

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
Form 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2020

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission file number 1-10235

IDEX CORPORATION

(Exact name of registrant as specified in its charter)

Delaware

*(State or other jurisdiction of
incorporation or organization)*

3100 Sanders Road Suite 301, Northbrook, Illinois
(Address of principal executive offices)

36-3555336

*(I.R.S. Employer
Identification No.)*

60062
(Zip Code)

Registrant's telephone number, including area code:
(847) 498-7070

Securities Registered Pursuant to Section 12(b) of the Act:

Title of Each Class	Trading Symbol(s)	Name of Each Exchange on Which Registered
Common Stock, par value \$.01 per share	IEX	New York Stock Exchange

Securities Registered Pursuant to Section 12(g) of the Act:

None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company
Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

The aggregate market value, as of the last business day of the registrant's most recently completed second fiscal quarter, of the common stock (based on the June 30, 2020 closing price of \$158.04) held by non-affiliates of IDEX Corporation was \$11,866,931,226.

The number of shares outstanding of IDEX Corporation's common stock, par value \$.01 per share, as of February 22, 2021 was 75,889,737.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the proxy statement with respect to the IDEX Corporation 2021 annual meeting of stockholders (the "2021 Proxy Statement") are incorporated by reference into Part III of this Form 10-K.

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PART I

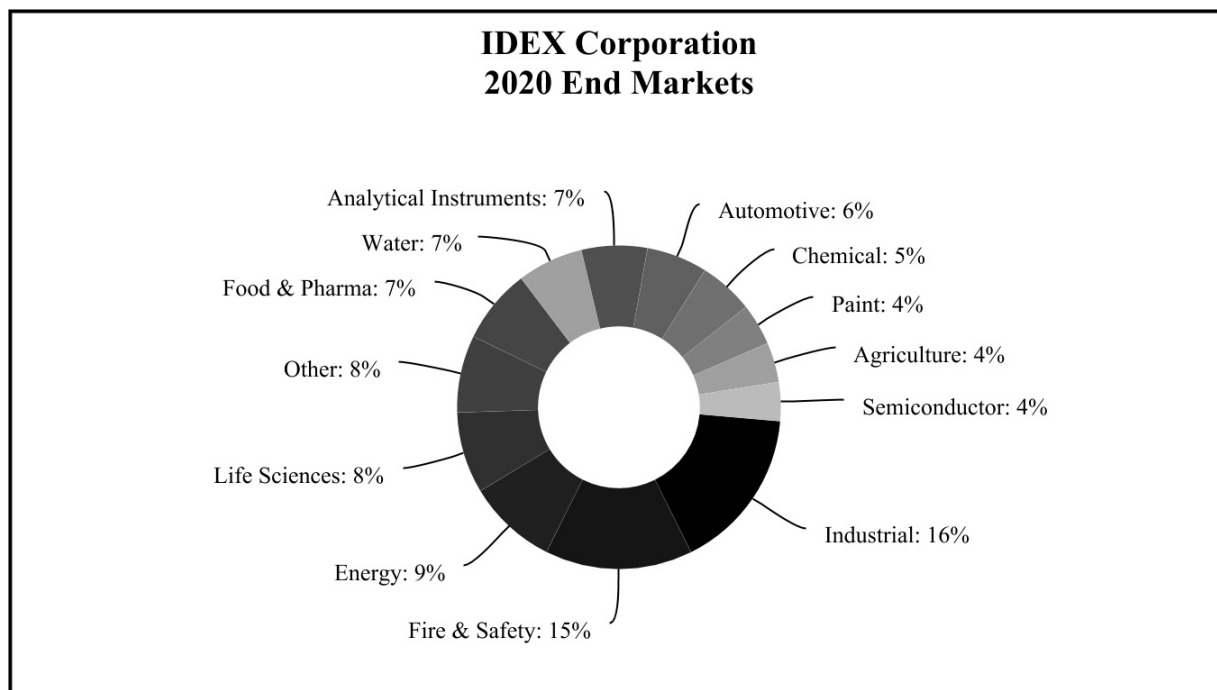
Cautionary Statement Under the Private Securities Litigation Reform Act

This report contains “forward-looking” statements within the meaning of the Private Securities Litigation Reform Act of 1995, as amended. These statements may relate to, among other things, the Company’s expected organic sales growth, the expected timing and anticipated benefits of the Company’s acquisition of Abel Pumps, L.P. and certain of its affiliates, and the anticipated continuing effects of the coronavirus pandemic, including with respect to the Company’s sales, improvements in the Company’s end markets, facility closures, supply chains and access to capital, capital expenditures, acquisitions, cost reductions, cash flow, revenues, earnings, market conditions, global economies and operating improvements, and are indicated by words or phrases such as “anticipates,” “estimates,” “plans,” “expects,” “projects,” “forecasts,” “should,” “could,” “will,” “management believes,” “the Company believes,” “the Company intends” and similar words or phrases. These statements are subject to inherent uncertainties and risks that could cause actual results to differ materially from those anticipated at the date of this report. The risks and uncertainties include, but are not limited to, the following: the duration of the coronavirus pandemic and the continuing effects of the coronavirus pandemic on our ability to operate our business and facilities, on our customers, on supply chains and on the U.S. and global economy generally; economic and political consequences resulting from terrorist attacks and wars; levels of industrial activity and economic conditions in the U.S. and other countries around the world; pricing pressures and other competitive factors and levels of capital spending in certain industries, all of which could have a material impact on order rates and the Company’s results, particularly in light of the low levels of order backlogs it typically maintains; the Company’s ability to make acquisitions and to integrate and operate acquired businesses on a profitable basis; the relationship of the U.S. dollar to other currencies and its impact on pricing and cost competitiveness; political and economic conditions in foreign countries in which the Company operates; developments with respect to trade policy and tariffs; interest rates; capacity utilization and the effect this has on costs; labor markets; market conditions and material costs; and developments with respect to contingencies, such as litigation and environmental matters, and the other risk factors discussed in Item 1A, “Risk Factors” of this annual report. The forward-looking statements included here are only made as of the date of this report, and management undertakes no obligation to publicly update them to reflect subsequent events or circumstances, except as may be required by law. Investors are cautioned not to rely unduly on forward-looking statements when evaluating the information presented here.

Item 1. Business.

IDEX Corporation (“IDEX,” the “Company,” “us,” “our,” or “we”) is a Delaware corporation incorporated on September 24, 1987. The Company is an applied solutions business that sells an extensive array of pumps, valves, flow meters and other fluidics systems and components and engineered products to customers in a variety of markets around the world. Substantially all of the Company’s business activities are carried out through wholly-owned subsidiaries.

The Company has three reportable business segments: Fluid & Metering Technologies (“FMT”), Health & Science Technologies (“HST”) and Fire & Safety/Diversified Products (“FSDP”). Within our three reportable segments, the Company maintains 13 platforms where we focus on organic growth and strategic acquisitions. Each of our 13 platforms is also a reporting unit that we annually test for goodwill impairment.

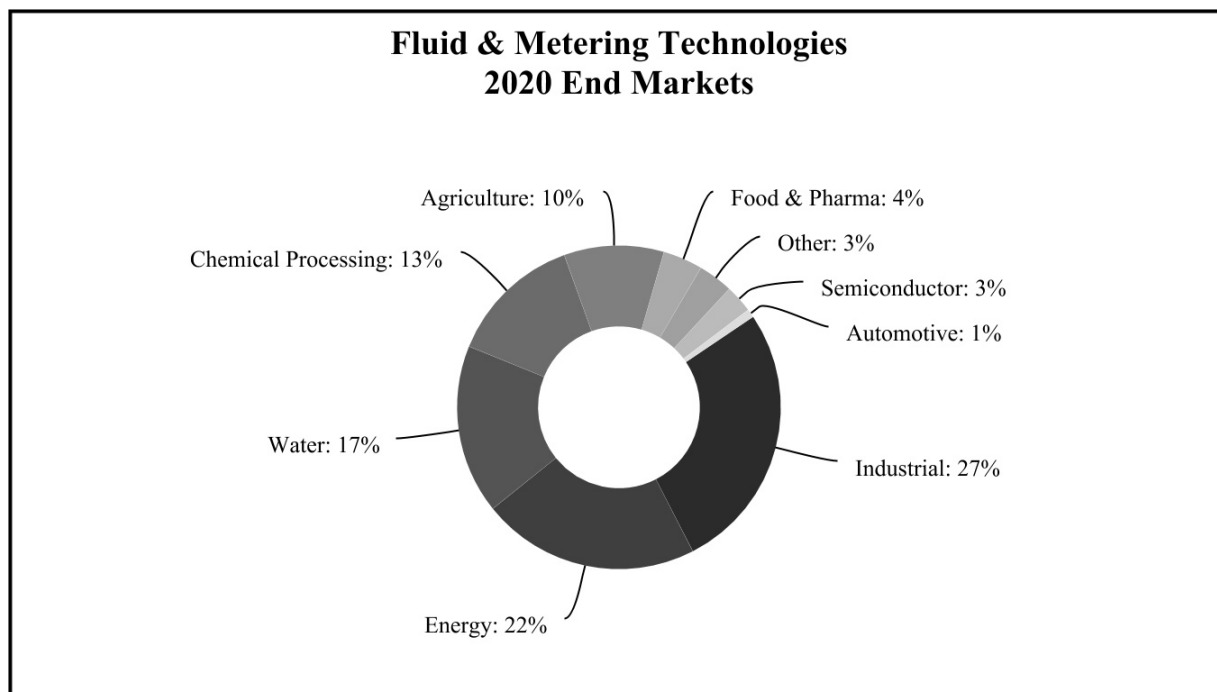


The FMT segment contains the Energy platform (comprised of Corken, Liquid Controls, SAMPI, Toptech and Flow Management Devices, LLC (“Flow MD”)), the Valves platform (comprised of Alfa Valvole, Richter and Aegis), the Water platform (comprised of Pulsafeeder, OBL, Knight, ADS, Trebor and iPEK), the Pumps platform (comprised of Viking and Warren Rupp) and the Agriculture platform (comprised of Banjo). The HST segment contains the Scientific Fluidics & Optics platform (comprised of Eastern Plastics, Rheodyne, Sapphire Engineering, Upchurch Scientific, ERC, CiDRA Precision Services, thinXXS, CVI Melles Griot, Semrock, Advanced Thin Films and FLI), the Sealing Solutions platform (comprised of Precision Polymer Engineering, FTL Seals Technology, Novotema, SFC Koenig and Velcora), the Gast platform, the Micropump platform and the Material Processing Technologies platform (comprised of Quadro, Fitzpatrick, Microfluidics and Matcon). The FSDP segment is comprised of the Fire & Safety platform (comprised of Class 1, Hale, Godiva, Akron Brass, Weldon, AWG Fittings, Dinglee, Hurst Jaws of Life, Lukas and Vetter), the BAND-IT platform and the Dispensing platform.

IDEX believes that each of its reporting units is a leader in its product and service areas. The Company also believes that its strong financial performance has been attributable to its ability to design and engineer specialized quality products, coupled with its ability to successfully identify, acquire and integrate strategic acquisitions.

FLUID & METERING TECHNOLOGIES SEGMENT

The Fluid & Metering Technologies segment designs, produces and distributes positive displacement pumps, small volume provers, flow meters, injectors and other fluid-handling pump modules and systems and provides flow monitoring and other services for the food, chemical, general industrial, water and wastewater, agriculture and energy industries. Fluid & Metering Technologies application-specific pump and metering solutions serve a diverse range of end markets, including industrial infrastructure (fossil fuels, refined and alternative fuels and water and wastewater), chemical processing, agriculture, food and beverage, pulp and paper, transportation, plastics and resins, electronics and electrical, construction and mining, pharmaceutical and bio-pharmaceutical, machinery and numerous other specialty niche markets.



Fluid & Metering Technologies accounted for 38% of IDEX's sales in each of 2020, 2019 and 2018, respectively, with approximately 44% of its 2020 sales to customers outside the U.S. The segment accounted for 40%, 44% and 42% of total segment operating income in 2020, 2019 and 2018, respectively.

Energy. Energy consists of the Company's Corken, Liquid Controls, SAMPI, Toptech and Flow MD businesses. Energy is a leading supplier of flow meters, small volume provers, electronic registration and control products, rotary vane and turbine pumps, reciprocating piston compressors and terminal automation control systems. Applications for Liquid Controls and SAMPI consist of positive displacement flow meters and electronic registration and control products, including mobile and stationary metering installations for wholesale and retail distribution of petroleum and liquefied petroleum gas, aviation refueling and industrial metering and dispensing of liquids and gases. Corken products consist of positive-displacement rotary vane pumps, single and multistage regenerative turbine pumps and small horsepower reciprocating piston compressors. Toptech supplies terminal automation hardware and software to control and manage inventories as well as transactional data and invoicing to customers in the oil, gas and refined-fuels markets. Flow MD engineers and manufactures small volume provers that ensure custody transfer accuracy in the oil and gas industry. Energy maintains facilities in Lake Bluff, Illinois (Liquid Controls products); Longwood, Florida and Zwijndrecht, Belgium (Toptech products); Oklahoma City, Oklahoma (Corken and Flow MD products); Altopascio, Italy (SAMPI products); and Phoenix, Arizona (Flow MD products). Approximately 33% of Energy's 2020 sales were to customers outside the U.S.

Valves. Valves consists of the Company's Alfa Valvole, Richter and Aegis businesses. Valves is a leader in the design, manufacture and sale of specialty valve products for use in the chemical, petro-chemical, energy and sanitary markets as well as a leading producer of fluoroplastic lined corrosion-resistant magnetic drive and mechanical seal pumps, shut-off, control and safety valves for corrosive, hazardous, contaminated, pure and high-purity fluids. Alfa Valvole's products are used in various industrial fields for fluid control, in both gas and liquid form, in all sectors of plant engineering, cosmetics, detergents, food industry, electric energy, pharmaceutical, chemical plants, petrochemical plants, oil, heating/air conditioning and also on ships, ferries and marine oil platforms. Richter's products offer superior solutions for demanding and complex pump and valve applications in the process industry. Aegis produces specialty chemical processing valves for use in the chemical, petro-chemical, chlor-alkali and pulp and paper industries. Valves maintains operations in Casorezzo, Italy (Alfa Valvole products); Cedar Falls, Iowa, Kempen, Germany and Suzhou, China (Richter products); and Geismar, Louisiana (Aegis products). Approximately 83% of Valves' 2020 sales were to customers outside the U.S.

Water. Water consists of the Company's ADS, iPEK, Knight, Trebor, Pulsafeeder and OBL businesses. Water is a leading provider of metering technology, flow monitoring products and underground surveillance services for wastewater markets, alloy and non-metallic gear pumps, peristaltic pumps, transfer pumps as well as dispensing equipment for industrial

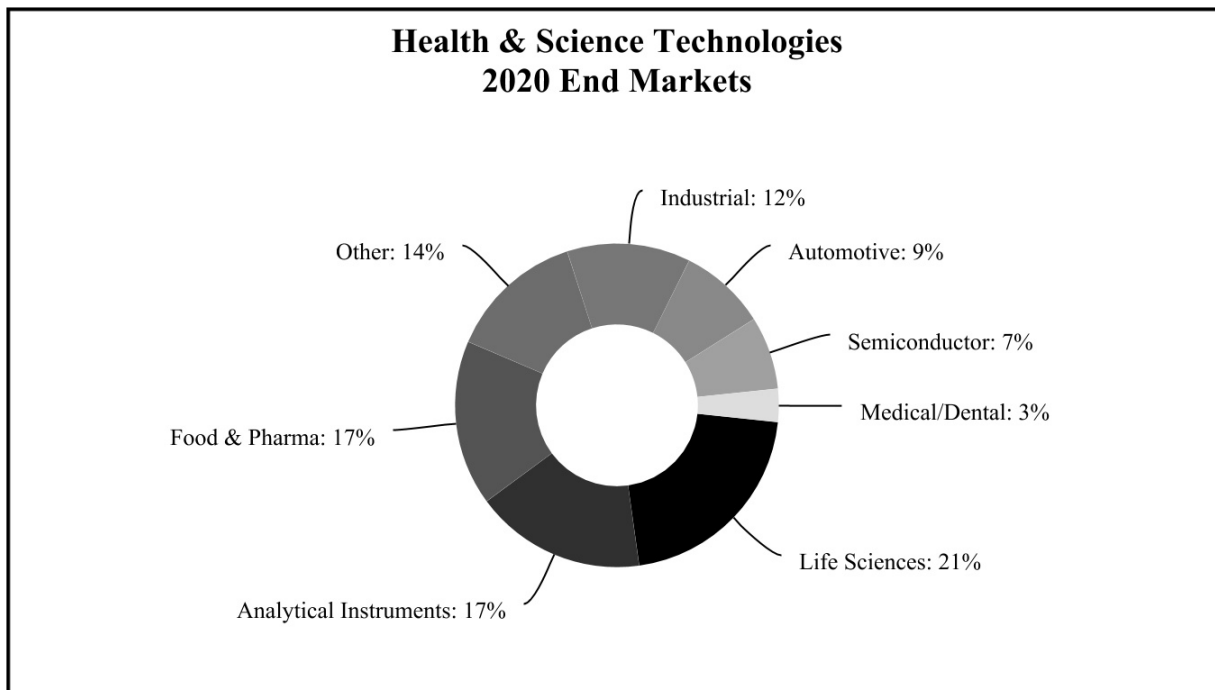
laundries, commercial dishwashing and chemical metering. ADS' products and services provide comprehensive integrated solutions that enable industry, municipalities and government agencies to analyze and measure the capacity, quality and integrity of wastewater collection systems, including the maintenance and construction of such systems. iPEK supplies remote controlled systems used for infrastructure inspection. Knight is a leading manufacturer of pumps and dispensing equipment for industrial laundries, commercial dishwashing and chemical metering. Trebor is a leader in high-purity fluid handling products, including air-operated diaphragm pumps and deionized water-heating systems. Trebor products are used in the manufacturing of semiconductors, disk drives and flat panel displays. Pulsafeeder products (which also include OBL products) are used to introduce precise amounts of fluids into processes to manage water quality and chemical composition as well as peristaltic pumps. Its markets include water and wastewater treatment, oil and gas, power generation, pulp and paper, chemical and hydrocarbon processing and swimming pools. Water maintains operations in Huntsville, Alabama and various other locations in the United States, Canada and Australia (ADS products and services); Hirscheegg, Austria and Sulzberg, Germany (iPEK products); Rochester, New York, Punta Gorda, Florida, and Milan, Italy (Pulsafeeder products); West Jordan, Utah (Trebor products); Irvine, California, Mississauga, Ontario, Canada, and Lewes, England (Knight products); and a maquiladora in Ciudad Juarez, Chihuahua, Mexico (Knight products). Approximately 45% of Water's 2020 sales were to customers outside the U.S.

Pumps. Pumps consists of the Company's Viking and Warren Rupp businesses. Pumps is a leading manufacturer of rotary internal gear, external gear, vane and rotary lobe pumps, custom-engineered OEM pumps, strainers, gear reducers and engineered pump systems. Viking's products consist of external gear pumps, strainers and reducers and related controls used for transferring and metering thin and viscous liquids sold under the Viking and Wright Flow brands. Viking products primarily serve the chemical, petroleum, pulp and paper, plastics, paints, inks, tanker trucks, compressor, construction, food and beverage, personal care, pharmaceutical and biotech markets. Warren Rupp products (which include Versa-Matic products) are used for abrasive and semisolid materials as well as for applications where product degradation is a concern or where electricity is not available or should not be used. Warren Rupp products, which include air-operated double diaphragm pumps, primarily serve the chemical, paint, food processing, electronics, construction, utilities, oil and gas, mining and industrial maintenance markets. Pumps maintains operations in Cedar Falls, Iowa (Viking and Wright Flow products); Eastbourne, England (Wright Flow products); Shannon, Ireland (Viking and Blagdon products); and Mansfield, Ohio (Warren Rupp products). Pumps primarily uses independent distributors to market and sell its products. Approximately 42% of Pumps' 2020 sales were to customers outside the U.S.

Agriculture. Agriculture consists of the Company's Banjo business. Banjo is a provider of special purpose, severe-duty pumps, valves, fittings and systems used in liquid handling. Banjo is based in Crawfordsville, Indiana with distribution facilities in Didam, The Netherlands and Valinhos, Brazil. Its products are used in agriculture (approximately 71% of revenue) and industrial (approximately 29% of revenue) applications. Approximately 21% of Banjo's 2020 sales were to customers outside the U.S.

HEALTH & SCIENCE TECHNOLOGIES SEGMENT

The Health & Science Technologies segment designs, produces and distributes a wide range of precision fluidics, rotary lobe pumps, centrifugal and positive displacement pumps, roll compaction and drying systems used in beverage, food processing, pharmaceutical and cosmetics, pneumatic components and sealing solutions, including very high precision, low-flow rate pumping solutions required in analytical instrumentation, clinical diagnostics and drug discovery, high performance molded and extruded sealing components, custom mechanical and shaft seals for a variety of end markets including food and beverage, marine, chemical, wastewater and water treatment, engineered hygienic mixers and valves for the global biopharmaceutical industry, biocompatible medical devices and implantables, air compressors used in medical, dental and industrial applications, optical components and coatings for applications in the fields of scientific research, defense, biotechnology, aerospace, telecommunications and electronics manufacturing, laboratory and commercial equipment used in the production of micro and nano scale materials, precision photonic solutions used in life sciences, research and defense markets and precision gear and peristaltic pump technologies that meet exacting original equipment manufacturer specifications.



Health & Science Technologies accounted for 38%, 37% and 36% of IDEX’s sales in 2020, 2019 and 2018, respectively, with approximately 57% of its 2020 sales to customers outside the U.S. The segment accounted for 35%, 31% and 32% of total segment operating income in 2020, 2019 and 2018, respectively.

Scientific Fluidics & Optics. Scientific Fluidics & Optics consists of the Company’s Eastern Plastics, Rheodyne, Sapphire Engineering, Upchurch Scientific, ERC, CiDRA Precision Services, thinXXS, CVI Melles Griot, Semrock, Advanced Thin Films and FLI businesses. Eastern Plastics products, which consist of high-precision integrated fluidics and associated engineered manifolds, are used in a broad set of end markets including medical diagnostics, analytical instrumentation and laboratory automation. Rheodyne products consist of injectors, valves, fittings and accessories for the analytical instrumentation market. These products are used by manufacturers of high pressure liquid chromatography (“HPLC”) equipment servicing the pharmaceutical, biotech, life science, food and beverage, and chemical markets. Sapphire Engineering and Upchurch Scientific products consist of fluidic components and systems for the analytical, biotech and diagnostic instrumentation markets, such as fittings, precision-dispensing pumps and valves, tubing and integrated tubing assemblies, filter sensors and other micro-fluidic and nano-fluidic components as well as advanced column hardware and accessories for the high performance liquid chromatography market. The products produced by Sapphire Engineering and Upchurch Scientific primarily serve the pharmaceutical, drug discovery, chemical, biochemical processing, genomics/proteomics research, environmental labs, food/agriculture, medical lab, personal care and plastics/polymer/rubber production markets. ERC manufactures gas liquid separations and detection solutions for the life science, analytical instrumentation and clinical chemistry markets. ERC’s products consist of in-line membrane vacuum degassing solutions, refractive index detectors and ozone generation systems. CiDRA Precision Services’ products consist of microfluidic components serving the life science, health and industrial markets and thinXXS is a leader in the design, manufacture and sale of microfluidic components serving the point of care, veterinary and life science markets. CVI Melles Griot is a global leader in the design and manufacture of precision photonic solutions used in the life science, research, semiconductor, security and defense markets. CVI Melles Griot’s innovative products are focused on the generation, control and productive use of light for a variety of key science and industrial applications. Products consist of specialty lasers and light sources, electro-optical components, specialty shutters, opto-mechanical assemblies and components. In addition, CVI Melles Griot produces critical components for life science research, electronics manufacturing, military and other industrial applications, including lenses, mirrors, filters and polarizers. These components are utilized in a number of important applications such as spectroscopy, cytometry (cell counting), guidance systems for target designation, remote sensing, metrology and optical lithography. Semrock is a provider of optical filters for biotech and analytical instrumentation in the life science market. Semrock’s optical filters are produced using state-of-the-art manufacturing processes which enable it to offer its customers significant improvements in instrument performance and reliability. Advanced Thin Films specializes in optical components and coatings for applications in the fields of scientific research, defense, aerospace, telecommunications and electronics manufacturing. Advanced Thin Films’ core competence is the design and manufacture of filters, splitters,

reflectors and mirrors with the precise physical properties required to support their customers' most challenging and cutting-edge optical applications. The Precision Photonics portion of its business specializes in optical components and coatings for applications in the fields of scientific research, aerospace, telecommunications and electronics manufacturing. FLI specializes in the design, development and production of low-noise cooled charge-coupled device ("CCD") and high speed, high-sensitivity scientific complementary metal-oxide semiconductor ("CMOS") cameras for the astronomy and life science markets. Scientific Fluidics & Optics has facilities in Bristol, Connecticut (Eastern Plastics products); Rohnert Park, California (Rheodyne products); Middleboro, Massachusetts (Sapphire Engineering products); Oak Harbor, Washington (Upchurch Scientific products); Kawaguchi, Japan (ERC products); Wallingford, Connecticut (CiDRA Precision Services products); Zweibrücken, Germany (thinXXS products); Albuquerque, New Mexico, Rochester, New York, Leicester, England and Didam, The Netherlands (CVI Melles Griot products); Rochester, New York (Semrock products); Boulder, Colorado (Advanced Thin Films products); and Lima, New York (FLI products). Approximately 54% of Scientific Fluidics & Optics' 2020 sales were to customers outside the U.S.

Sealing Solutions. Sealing Solutions consists of the Company's Precision Polymer Engineering, FTL Seals Technology, Novotema, SFC Koenig and Velcora businesses. Precision Polymer Engineering is a provider of proprietary high performance seals and advanced sealing solutions for a diverse range of global industries and applications, including hazardous duty, analytical instrumentation, semiconductor, process technologies, oil and gas, pharmaceutical, electronics and food applications. Precision Polymer Engineering is headquartered in Blackburn, England with an additional manufacturing facility in Brenham, Texas. Precision Polymer Engineering also entered into a joint venture with a third party to manufacture and sell high performance elastomer seals for the oil and gas industry to customers within the Kingdom of Saudi Arabia as well as export these high performance elastomer seals outside of the Kingdom of Saudi Arabia. The joint venture is headquartered in Damman, Saudi Arabia. FTL Seals Technology, located in Leeds, England, specializes in the design and application of high integrity rotary seals, specialty bearings and other custom products for the mining, power generation and marine markets. Novotema, located in Villongo, Italy, is a leader in the design, manufacture and sale of specialty sealing solutions for use in the building products, gas control, transportation, industrial and water markets. SFC Koenig is a producer of highly engineered expanders and check valves for critical applications across the transportation, hydraulic, aviation and medical markets. SFC Koenig is based in Dietikon, Switzerland, with additional facilities in North Haven, Connecticut, Illerrieden, Germany, and Suzhou, China. Velcora and its operating subsidiaries under the Roplan name are headquartered in Sweden with operations in China, the United Kingdom and the United States. Roplan is a global manufacturer of custom mechanical and shaft seals for a variety of end markets including food and beverage, marine, chemical, wastewater and water treatment. Approximately 75% of Sealing Solutions' 2020 sales were to customers outside the U.S.

Gast. The Gast business is a leading manufacturer of air-moving products, including air motors, low-range and medium-range vacuum pumps, vacuum generators, regenerative blowers and fractional horsepower compressors. Gast products are used in a variety of long-life applications requiring a quiet, clean source of moderate vacuum or pressure. Gast products primarily serve the medical equipment, environmental equipment, computers and electronics, printing machinery, paint mixing machinery, packaging machinery, graphic arts and industrial manufacturing markets. Based in Benton Harbor, Michigan, Gast also has a logistics and commercial center in Redditch, England. Approximately 27% of Gast's 2020 sales were to customers outside the U.S.

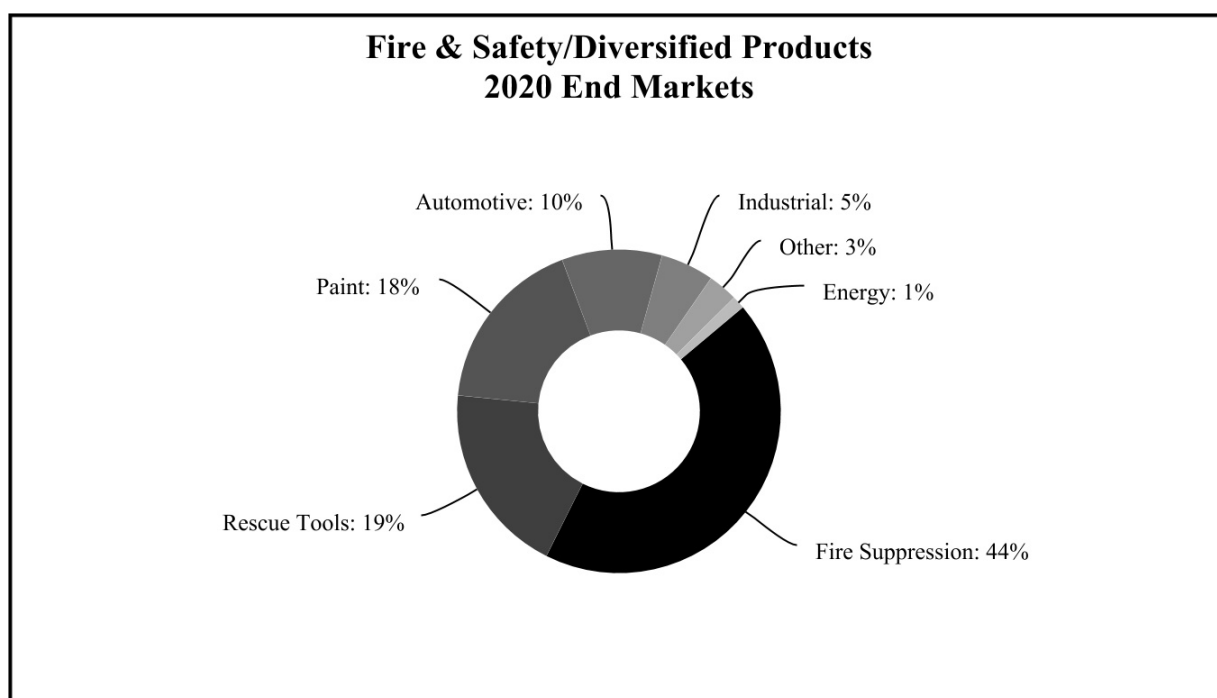
Micropump. Micropump, headquartered in Vancouver, Washington, is a leader in small, precision-engineered, magnetically and electromagnetically driven rotary gear, piston and centrifugal pumps. Micropump products are used in low-flow abrasive and corrosive applications. Micropump products primarily serve the continuous ink-jet printing, medical equipment, chemical processing, pharmaceutical, refining, laboratory, electronics, textiles, peristaltic metering pumps, analytical process controllers and sample preparation systems markets. Approximately 73% of Micropump's 2020 sales were to customers outside the U.S.

Material Processing Technologies. Material Processing Technologies consists of the Company's Quadro, Fitzpatrick, Steridose, Microfluidics and Matcon businesses. Quadro is a leading provider of particle control solutions for the pharmaceutical and bio-pharmaceutical markets. Based in Waterloo, Canada, Quadro's core capabilities include fine milling, emulsification and special handling of liquid and solid particulates for laboratory, pilot phase and production scale processing. Fitzpatrick is a global leader in the design and manufacture of process technologies for the pharmaceutical, food and personal care markets. Fitzpatrick designs and manufactures customized size reduction, roll compaction and drying systems to support their customers' product development and manufacturing processes. Fitzpatrick is headquartered in Waterloo, Canada. In June 2020, the Steridose business was moved from an operating subsidiary of Velcora to an operating subsidiary of Quadro. Steridose develops engineered hygienic mixers and valves for the global biopharmaceutical industry. Microfluidics is a global leader in the design and manufacture of laboratory and commercial equipment used in the production of micro and nano scale materials for the pharmaceutical and chemical markets. Microfluidics is the exclusive producer of the Microfluidizer family of high shear fluid processors for uniform particle size reduction, robust cell disruption and nanoparticle creation. Microfluidics is

also based in Waterloo, Canada and has offices in Newton, Massachusetts. Matcon is a global leader in material processing solutions for high value powders used in the manufacture of pharmaceuticals, food, plastics and fine chemicals. Matcon's innovative products consist of the original cone valve powder discharge system and filling, mixing and packaging systems, all of which support its customers' automation and process requirements. These products are critical to its customers' need to maintain clean, reliable and repeatable formulations of prepackaged foods and pharmaceuticals while helping them achieve lean and agile manufacturing. Matcon is located in Evesham, England. Approximately 63% of Material Processing Technologies' 2020 sales were to customers outside the U.S.

FIRE & SAFETY/DIVERSIFIED PRODUCTS SEGMENT

The Fire & Safety/Diversified Products segment designs, produces and distributes firefighting pumps, valves and controls, rescue tools, lifting bags and other components and systems for the fire and rescue industry, engineered stainless steel banding and clamping devices used in a variety of industrial and commercial applications and precision equipment for dispensing, metering and mixing colorants and paints used in a variety of retail and commercial businesses around the world.



The Fire & Safety/Diversified Products segment accounted for 24%, 25% and 26% of IDEX's sales in 2020, 2019 and 2018, respectively, with approximately 52% of its 2020 sales to customers outside the U.S. The segment accounted for 25%, 25% and 26% of total segment operating income in 2020, 2019 and 2018, respectively.

Fire & Safety. Fire & Safety consists of the Company's Class 1, Hale, Godiva, Akron Brass, Weldon, AWG Fittings, Dinglee, Hurst Jaws of Life, Lukas and Vetter businesses, which produce truck-mounted and portable fire pumps, stainless steel valves, monitors, apparatus valves, nozzles, foam and compressed air foam systems, pump modules and pump kits, electronic controls and information systems, conventional and networked electrical systems, mechanical components for the fire, rescue and specialty vehicle markets, hydraulic, battery, gas and electric-operated rescue equipment, hydraulic re-railing equipment, hydraulic tools for industrial applications, recycling cutters, pneumatic lifting and sealing bags for vehicle and aircraft rescue, environmental protection and disaster control and shoring equipment for vehicular or structural collapse. Fire & Safety's customers are OEMs as well as public and private fire and rescue organizations. Fire & Safety maintains facilities in Ocala, Florida (Class 1 and Hale products); Warwick, England (Godiva products); Wooster and Columbus, Ohio (Akron Brass and Weldon products); Ballendorf, Germany (AWG Fittings products); Shelby, North Carolina (Hurst Jaws of Life products); Tianjin, China (Dinglee products); Erlangen, Germany (Lukas products); and Zulpich, Germany (Vetter products). Approximately 50% of Fire & Safety's 2020 sales were to customers outside the U.S.

BAND-IT. BAND-IT is a leading producer of high-quality stainless steel banding, buckles and clamping systems. The BAND-IT brand is highly recognized worldwide. BAND-IT products are used for securing exhaust system heat and sound shields, industrial hose fittings, traffic signs and signals, electrical cable shielding, identification and bundling and in numerous other industrial and commercial applications. BAND-IT products primarily serve the automotive, transportation equipment, oil and gas, general industrial maintenance, electronics, electrical, communications, aerospace, utility, municipal and subsea marine markets. BAND-IT is based in Denver, Colorado, with additional operations in Staveley, England. Approximately 44% of BAND-IT's 2020 sales were to customers outside the U.S.

Dispensing. Dispensing produces precision equipment for dispensing, metering and mixing colorants and paints used in a variety of retail and commercial businesses around the world. Dispensing is a global supplier of precision-designed tinting, mixing, dispensing and measuring equipment for auto refinishing and architectural paints. Dispensing products are used in retail and commercial stores, hardware stores, home centers, department stores, automotive body shops as well as point-of-purchase dispensers. Dispensing maintains facilities in Sassenheim, The Netherlands, Wheeling, Illinois, Unanderra, Australia and Milan, Italy as well as IDEX shared manufacturing facilities in India and China. Approximately 66% of Dispensing's 2020 sales were to customers outside the U.S.

INFORMATION APPLICABLE TO THE COMPANY'S BUSINESS IN GENERAL AND ITS SEGMENTS

Competitors

The Company's businesses participate in highly competitive markets. IDEX believes that the principal points of competition are product quality, design and engineering capabilities, product development, conformity to customer specifications, quality of post-sale support, timeliness of delivery and effectiveness of our distribution channels.

Principal competitors of the Fluid & Metering Technologies segment are the Pumps Group (Maag, Blackmer and Wilden products) of Dover Corporation (with respect to pumps and small horsepower compressors used in liquefied petroleum gas distribution facilities, rotary gear pumps and air-operated double-diaphragm pumps); Milton Roy LLC (with respect to metering pumps and controls); and Tuthill Corporation (with respect to rotary gear pumps).

Principal competitors of the Health & Science Technologies segment are the Thomas division of Ingersoll Rand (with respect to vacuum pumps and compressors); Thermo Scientific Dionex products (with respect to analytical instrumentation); Parker Hannifin (with respect to sealing devices); Valco Instruments Co., Inc. (with respect to fluid injectors and valves); and Gooch & Housego PLC (with respect to electro-optic and precision photonics solutions used in the life sciences market).

The principal competitors of the Fire & Safety/Diversified Products segment are Waterous Company, a unit of American Cast Iron Pipe Company (with respect to truck-mounted firefighting pumps); Holmatro, Inc. (with respect to rescue tools); Corob S.p.A. (with respect to dispensing and mixing equipment for the paint industry); and Panduit Corporation (with respect to stainless steel bands, buckles and clamping systems).

Customers

None of our customers in 2020 accounted for more than two percent of net sales.

Employees

At December 31, 2020, the Company had 7,075 employees. Approximately 7% of its employees in the U.S. were represented by labor unions, with various contracts expiring through November 2023. Management believes that the Company has a positive relationship with its employees. The Company historically has been able to renegotiate its collective bargaining agreements satisfactorily, with its last work stoppage occurring in March 1993.

Human Capital Management

We recognize that our success would not be possible without the valuable contributions of our workforce. Investment in our people enables us to accomplish our goals and deliver innovative customer solutions. Our corporate Human Capital strategy is overseen by our Chief Human Resource Officer ("CHRO"). Annually, the CHRO presents a talent review to the Company's Board of Directors. As part of the review, the team details each enterprise-level senior leadership position and outlines succession plans to ensure the Board is informed of the Company's plans for business continuity and success.

Our workforce advancement strategy succeeds through investment in three pillars: skill-building for the entire workforce, leadership development aligned with the Company's methodology and fostering a great culture. Our approach to training and education helps drive long-term value by providing our employees with opportunities to develop skills both individually and as teams:

- Employees have access to learning through a variety of sources, including the IDEX Academy, which is our primary platform for global leadership development programs, local development programs and specific individual development plans. These trainings also help to develop future and potential leaders in the IDEX leadership methodology.
- We also enable employee development and growth by offering our full-time U.S. employees who have at least six months of service the ability to participate in our Tuition Reimbursement program. Through the program, employees can have certain expenses from secondary educational institutions reimbursed up to \$5,250 per year.
- The Company also built the IDEX Accelerating Management Potential ("I-AMP") Collegiate Talent Program in 2018 to give early career professionals the opportunity to learn the Company's values and business, and to grow within our Company in both full-time and internship roles. Since the program began, over 75 percent of participants have represented either gender or ethnic minority groups, and we will continue our focus on providing opportunities for diverse early career professionals through I-AMP.
- We prioritize hiring team members who will embrace our team-driven culture and also place considerable emphasis on leveraging the talented employees within our internal pipeline, filling many leadership positions with Company employees.
- Across the enterprise, our goal is to achieve manufacturing company top quartile employee engagement as measured by our engagement survey. Given the challenges that the COVID-19 pandemic brought to the work environment, we are thrilled that our employees are staying engaged as we remain in the 85th percentile among manufacturing companies with employee engagement at 78%.

Employee Pay and Benefits

Attracting and retaining top talent is critical to the success of the Company's business. We offer a highly competitive pay and benefits package for our employees in all the markets where we operate. The performance-based pay packages provide many employees with short-term performance incentives. We also provide equity-based, long-term incentives to the Company's senior leaders.

The Company's U.S. employees can participate in two 401(k) retirement plans and the Employee Stock Purchase Plan, which allows an employee to purchase IDEX stock through payroll deductions.

Diversity, Equity & Inclusion

The Company has always recognized diversity as foundational to creativity and resilience; the three pillars of Innovation, Diversity and Excellence form the acronym that is our name, IDEX. Gender, ethnic, cultural and other human diversity is critical to our success.

In 2020, the Company engaged a Diversity, Equity & Inclusion ("DE&I") coach to work with the CEO and entire Executive Leadership Team to further the DE&I strategic framework. In 2021, the Company intends to fill the currently vacant executive role for DE&I, which will report directly to the CEO.

At least once per year, the Board of Directors reviews employee diversity performance through its CHRO-led senior talent review. Additionally, the Company tracks diversity performance of the top 400 leaders and provides regular updates to the Board on how leadership demographics are changing over time. The Board has also recently pledged to include a DE&I topic on the agenda of every regularly scheduled Board meeting moving forward. In 2020, we increased representation for both women and people of color in our leadership ranks. Since 2018, we have increased the number of senior leaders globally who are women by more than 27% and leaders in the U.S. who are racially or ethnically diverse of color by 23%.

Further, the Company has been conducting pay equity analysis for U.S. employees since 2018 to ensure that employees' actual pay was substantially similar to their predicted pay. Where appropriate, we provided base pay adjustments for employees that were outliers from their predicted pay, further reinforcing the Company's commitment to diversity and a culture of inclusion, equality and respect.

Workplace Health & Safety

We are proud to manufacture product components that save lives; this would not be possible without the health and safety of our employees and contractors. The Company's Employee Health & Safety ("EH&S") Vision Policy outlines our approach for health and safety governance and applies to all of the Company's business units and provides for both monthly and annual

risk assessments which are reviewed by the Company's senior leaders. We also require safety trainings on topics such as CPR, electrical safety, ergonomics, first aid and machine guarding that all business unit employees must complete every year.

We also encourage all our full-time employees enrolled in our U.S. Healthcare Benefit Plan to participate in our third-party operated Wellness Program which provides access to annual biometric screenings, health evaluations and wellness credits that can be earned for meeting individual wellness goals each year. A number of our business units organize complementary wellness programs, including walking clubs, health fairs and lunch and learns with nutritionists for their employees.

At the beginning of the COVID-19 pandemic, we acted quickly, forming the IDEX COVID-19 Task Force to protect our employees from the virus, focusing on our safety-first approach. Among other safety measures, we also implemented COVID-19 Temporary Pay and Benefits Policy for employees who regularly work 20 or more hours per week, which provided four weeks of leave with 100% pay and benefits, in order to assist employees impacted by COVID-19 circumstances with additional flexibility.

Suppliers

The Company manufactures many of the parts and components used in its products. Substantially all materials, parts and components purchased by the Company are available from multiple sources.

Inventory and Backlog

The Company regularly and systematically adjusts production schedules and quantities based on the flow of incoming orders. Backlogs typically are limited to two months of production. While total inventory levels also may be affected by changes in orders, the Company generally tries to maintain relatively stable inventory levels based on its assessment of the requirements of the various industries served.

Raw Materials

The Company uses a wide variety of raw materials which are generally available from a number of sources. As a result, shortages from any single supplier have not had, and are not likely to have a material impact on operations.

Shared Services

The Company has production facilities in Suzhou, China and Vadodara, India that support multiple business units. IDEX also has personnel in China, India, Dubai, Mexico, Latin America and Singapore that provide sales and marketing, product design and engineering and sourcing support to its business units as well as personnel in various locations in South America, the Middle East, Korea and Japan to support sales and marketing efforts of IDEX businesses in those regions.

Segment Information

For segment financial information for the years 2020, 2019 and 2018, including financial information about foreign and domestic sales and operations, see "Management's Discussion and Analysis of Financial Condition and Results of Operations" and Note 14 of the Notes to Consolidated Financial Statements in Part II, Item 8, "Financial Statements and Supplementary Data."

Information about Our Executive Officers

Set forth below are the names of the executive officers of the Company, their ages, years of service, the positions held by them and their business experience during the past five years.

Name	Age	Years of Service	Position
Eric D. Ashleman	53	12	Chief Executive Officer and President
William K. Grogan	42	9	Senior Vice President and Chief Financial Officer
Denise R. Cade	58	5	Senior Vice President, General Counsel and Corporate Secretary
Melissa S. Flores	38	10	Senior Vice President-Chief Human Resources Officer
Daniel J. Salliotte	54	16	Senior Vice President-Corporate Development
Michael J. Yates	55	15	Vice President and Chief Accounting Officer

Mr. Ashleman has served as President and Chief Executive Officer since December 2020. Prior to that, Mr. Ashleman was Senior Vice President and Chief Operating Officer from July 2015 to December 2020, Vice President-Group Executive of the Company's Health & Science Technologies and Fire & Safety/Diversified Products segments from January 2014 through July 2015 and President-Group Executive of the Company's Fire & Safety/Diversified Products segment from 2011 through January 2014. Mr. Ashleman joined IDEX in 2008 as the President of Gast Manufacturing.

Mr. Grogan has served as Senior Vice President and Chief Financial Officer since January 2017. Prior to that, Mr. Grogan served as Vice President of Finance, Operations from July 2015 through January 2017. From January 2012 through July 2015, Mr. Grogan was Vice President-Finance for the Company's Health & Science Technologies and Fire & Safety/Diversified Products segments.

Ms. Cade has served as Senior Vice President, General Counsel and Corporate Secretary since joining IDEX in October 2015. Prior to joining IDEX, Ms. Cade was Senior Vice President, General Counsel, Corporate Secretary and Chief Compliance Officer for SunCoke Energy, Inc. from March 2011 to October 2015 and held various roles at PPG Industries, Inc. before joining SunCoke.

Ms. Flores has served as Senior Vice President and Chief Human Resources Officer since February 2021. Prior to that, Ms. Flores served as Global, Vice President Talent from May 2019 through February 2021. From February 2018 through May 2019, Ms. Flores was Group Vice President Human Resources. Prior to that she served as Vice President, Talent Management and Development from March 2017 to February 2018, after being promoted from Director, Talent Development, a position she served in from March 2015 to March 2017.

Mr. Salliotte has served as Senior Vice President-Corporate Development since March 2018. Prior to that, Mr. Salliotte served as Senior Vice President-Corporate Strategy, Mergers & Acquisitions and Treasury since February 2011. Mr. Salliotte joined IDEX in October 2004 as Vice President-Strategy and Business Development.

Mr. Yates has served as Vice President and Chief Accounting Officer since February 2010 and served as interim Chief Financial Officer from September 2016 to December 2016. Mr. Yates joined IDEX as Vice President-Controller in October 2005.

The Company's executive officers are elected at a meeting of the Board of Directors immediately following the annual meeting of stockholders, and they serve until the meeting of the Board immediately following the next annual meeting of stockholders, or until their successors are duly elected and qualified or until their death, resignation or removal.

Public Filings

Copies of the Company's annual report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and amendments to those reports are made available free of charge at www.idexcorp.com as soon as reasonably practicable after being filed electronically with the United States Securities and Exchange Commission (the "SEC"). Our reports are also available free of charge on the SEC's website, www.sec.gov. Information on the Company's website is not incorporated into this Form 10-K.

Item 1A. Risk Factors.

For an enterprise as diverse and complex as the Company, a wide range of factors present risks to the Company and could materially affect future developments and performance. In addition to the factors affecting specific business operations identified in connection with the description of our operations and the financial results of our operations elsewhere in this report, the most material of these factors are included below. Current global economic events and conditions may amplify many of these risks. These risks are not the only risks that may affect us. Additional risks that we are not aware of or do not believe are material at the time of this filing may also become important factors that adversely affect our business.

Risks Related to Our Operations

Our business, results of operations and financial condition have been and may continue to be materially adversely impacted by the ongoing COVID-19 pandemic.

The ongoing COVID-19 pandemic has been a rapidly-changing situation that has negatively impacted and could continue to negatively impact the global economy. Our operating results are subject to fluctuations based on general economic conditions and have been adversely affected by the negative general economic conditions. The extent to which COVID-19 continues to impact our business will depend on future developments, which are highly uncertain and cannot be predicted with confidence, such as the duration of the outbreak and business closures or business disruptions for our Company, our suppliers and our customers.

The deterioration in economic conditions materially reduced, and could continue to reduce, the Company's sales and profitability. Although we began to see improvement in our end markets beginning in the third quarter of 2020 and continuing through the fourth quarter of 2020, the financial distress our customers have experienced due to the deterioration in economic conditions has resulted in and could continue to result in reduced sales which has and could continue to negatively impact our results of operations. Any changes in or resurgence of the COVID-19 outbreak could also have a material impact on our ability to get the raw materials, parts and components we need to manufacture our products as our suppliers face disruptions in their businesses, closures or bankruptcy as a result of the COVID-19 outbreak. We depend greatly on our suppliers for items that are essential to the manufacturing of our products. Although we have not experienced material supply chain disruptions to date, if our suppliers fail to meet our manufacturing needs in the future, it would delay our production and our product shipments to customers and negatively affect our operations.

U.S and international government responses to the COVID-19 outbreak have included "shelter in place", "stay at home" and similar types of orders. These orders exempt certain individuals needed to maintain continuity of operations of critical infrastructure sectors as determined by the U.S. federal and international governmental bodies. Although the Company's operations are currently considered essential and exempt, if any of the applicable exemptions are curtailed or revoked in the future, including in response to any COVID-19 resurgence, that would adversely impact our business, operating results and financial condition. Furthermore, to the extent these exemptions do not extend to our key suppliers and customers, this would also adversely impact our business, operating results and financial condition. We have also implemented work-from-home policies for certain "non-essential" employees. Although these work-from-home policies have not negatively impacted our business in any material respect to date, the COVID-19 outbreak is dynamic and any future resurgences could negatively impact productivity, disrupt conduct of our business in the ordinary course and delay our production timelines.

Due to the large remote workforce populations, we may also face informational technology infrastructure and connectivity issues from the vendors that we rely on for certain information technologies to administer, store and support the Company's multiple business activities. IDEX is heavily dependent on the availability and support of our technology landscape, several of which are provided by external third party service providers (e.g., Microsoft, AT&T and Verizon). Although we have not suffered any disruptions to date, any future disruptions in their operations could also negatively impact our business, operating results and financial condition.

To the extent the COVID-19 outbreak continues to adversely affect our business and financial results, it may also have the effect of heightening many of the other risks described in Item 1A, "Risk Factors" of this annual report, such as those relating to our international operations, our ability to develop new products, our ability to execute on our growth strategy of acquisitions, our dependency on raw materials, parts and components, the effects on movements in foreign currency exchange rates on our Company, the effects on our Company that result from declines in commodity prices and our reliance on labor availability to operate and grow our business.

Our Inability to Continue to Develop New Products Could Limit Our Sales Growth.

Our ability to continue to grow organically is tied in large part to our ability to continue to develop new products. A failure to continue to develop and deliver new, innovative and competitive products to the market could limit our sales growth and negatively impact our business, financial condition, results of operations and cash flow.

Our Growth Strategy Includes Acquisitions and We May Not be Able to Make Acquisitions of Suitable Candidates or Integrate Acquisitions Successfully.

Our historical growth has included, and our future growth is likely to continue to include, acquisitions. We intend to continue to seek acquisition opportunities both to expand into new markets and to enhance our position in existing markets throughout the world. We may not be able to successfully identify suitable candidates, negotiate appropriate acquisition terms, obtain financing needed to consummate those acquisitions, complete proposed acquisitions or successfully integrate acquired businesses into our existing operations. In addition, any acquisition, once successfully integrated, may not perform as planned, be accretive to earnings, or otherwise prove beneficial to us.

Acquisitions involve numerous risks, including the assumption of undisclosed or unindemnified liabilities, difficulties in the assimilation of the operations, technologies, services and products of the acquired companies and the diversion of management's attention from other business concerns. In addition, prior acquisitions have resulted in, and future acquisitions could result in, the incurrence of substantial additional indebtedness and other expenses.

The Markets We Serve are Highly Competitive and this Competition Could Reduce our Sales and Operating Margins.

Most of our products are sold in competitive markets. Maintaining and improving our competitive position will require continued investment by us in manufacturing, engineering, quality standards, marketing, customer service and support and our distribution networks. We may not be successful in maintaining our competitive position. Our competitors may develop products that are superior to our products or may develop methods of more efficiently and effectively providing products and services or may adapt more quickly than us to new technologies or evolving customer requirements. Pricing pressures may require us to adjust the prices of our products to stay competitive. We may not be able to compete successfully with our existing competitors or with new competitors. Failure to continue competing successfully could reduce our sales, operating margins and overall financial performance.

We are Dependent on the Availability of Raw Materials, Parts and Components Used in Our Products.

While we manufacture certain parts and components used in our products, we require substantial amounts of raw materials and purchase some parts and components from suppliers. The availability and prices for raw materials, parts and components may be subject to curtailment or change due to, among other things, suppliers' allocations to other purchasers, interruptions in production by suppliers, including due to geopolitical or civil unrest, unfavorable economic or industry conditions, labor disruptions, catastrophic weather events, natural disasters or the occurrence of a contagious disease or illness, changes in exchange rates and prevailing price levels. Any change in the supply of, or price for, these raw materials or parts and components could materially affect our business, financial condition, results of operations and cash flow.

Our Business Operations May Be Adversely Affected by Information Systems Interruptions or Intrusion.

We depend on various information technologies throughout our Company to administer, store and support multiple business activities. If these systems (or the systems of our customers or third-party hosting services) are damaged, cease to function properly or are subject to cyber-security attacks, such as those involving unauthorized access, malicious software and/or other intrusions, we could experience production downtimes, operational delays, other detrimental impacts on our operations or ability to provide products and services to our customers, the compromising of confidential or otherwise protected information, destruction or corruption of data, security breaches, other manipulation or improper use of our systems or networks, financial losses from remedial actions, loss of business or potential liability, penalties, fines and/or damage to our reputation. While we attempt to mitigate these risks by employing a number of measures, including employee training, technical security controls and maintenance of backup and protective systems, our systems, networks, products and services remain potentially vulnerable to known or unknown threats, any of which could have a material adverse effect on our business, financial condition or results of operations. Further, given the unpredictability, nature and scope of cyber-security attacks, it is possible that potential vulnerabilities could go undetected for an extended period.

Risks Related to Economic Conditions

Changes in U.S. or International Economic Conditions Could Materially Adversely Affect the Sales and Profitability of Our Businesses.

In 2020, 49% of the Company's sales were derived from domestic operations while 51% were derived from international operations. The Company's largest end markets include industrial, semiconductor, automotive, life sciences and medical technologies, fire and rescue, oil and gas, paint and coatings, chemical processing, agriculture, water and wastewater treatment and optical filters and components. A slowdown in the U.S. or global economy and, in particular, any of these specific end markets could materially reduce the Company's sales and profitability.

Changes to Geopolitical and Economic Conditions in the U.S. and Foreign Countries in Which We Operate Could Adversely Affect Our Business.

In 2020, approximately 51% of our total sales were to customers outside the U.S. We expect our international operations and export sales to continue to be significant for the foreseeable future. Our sales from international operations and our sales from export are both subject in varying degrees to risks inherent in doing business outside the U.S. These risks include the following:

- possibility of unfavorable circumstances arising from host country laws or regulations;
- risks of economic instability;
- currency exchange rate fluctuations and restrictions on currency repatriation;
- potential negative consequences from changes to taxation policies;
- disruption of operations from labor and political disturbances;
- withdrawal from or renegotiation of international trade agreements and other restrictions on the trade between the United States and other countries;
- risks related to other government regulation or required compliance with local laws;
- effects of the United Kingdom's decision to exit the European Union and related potential disruption to trade, including the effects of the Trade and Cooperation Agreement between the European Union, the European Atomic Energy Community and the United Kingdom signed on December 30, 2020;
- changes in tariff and trade barriers, including uncertainty caused by the evolving relations between the United States and China; and
- geopolitical events, including natural disasters, public health issues, political instability, terrorism, insurrection or war.

Any of these events could have a materially adverse impact on our business and operations.

Significant Movements in Foreign Currency Exchange Rates May Harm Our Financial Results.

We are exposed to fluctuations in foreign currency exchange rates, particularly with respect to the Euro, Swiss Franc, Canadian Dollar, British Pound, Indian Rupee, Chinese Renminbi and Swedish Krona. Any significant change in the value of the currencies of the countries in which we do business against the U.S. Dollar could affect our ability to sell products competitively and control our cost structure, which could have a material adverse effect on our results of operations. For additional detail related to this risk, see Part II, Item 7A, "Quantitative and Qualitative Disclosures About Market Risk."

Fluctuations in Interest Rates Could Adversely Affect Our Results of Operations and Financial Position.

Our profitability may be adversely affected during any periods of unexpected or rapid increases in interest rates. We maintain a revolving credit facility, which bears interest at either an alternate base rate or adjusted LIBOR plus, in each case, an applicable margin based on the lower of the Company's senior, unsecured, long-term debt rating or the Company's applicable leverage ratio. A significant increase in LIBOR would significantly increase our cost of borrowings. Further, any changes in regulatory standards or industry practices, such as the expected transition away from LIBOR may result in the usage of higher interest rates under our revolving credit facility, and our current or future indebtedness may be adversely affected. We are also exposed to risks if the U.S. Federal Reserve raises its benchmark interest rate, which may reduce the availability and increase the cost of obtaining new debt and refinancing existing indebtedness. For additional detail related to this risk, see Part II, Item 7A, "Quantitative and Qualitative Disclosures About Market Risk."

A Significant or Sustained Decline in Commodity Prices, Including Oil, Could Negatively Impact the Levels of Expenditures by Certain of Our Customers.

Demand for our products depends, in part, on the level of new and planned expenditures by certain of our customers. The level of expenditures by our customers is dependent on, among other factors, general economic conditions, availability of credit, economic conditions within their respective industries and expectations of future market behavior. Volatility in commodity prices, including oil, can negatively affect the level of these activities and can result in postponement of capital spending decisions or the delay or cancellation of existing orders. The ability of our customers to finance capital investment and maintenance may also be affected by the conditions in their industries. Reduced demand for our products could result in the delay or cancellation of existing orders or lead to excess manufacturing capacity, which unfavorably impacts our absorption of fixed manufacturing costs. This reduced demand could have a material adverse effect on our business, financial condition and results of operations.

Risks Related to Legal, Accounting and Regulatory Matters

An Unfavorable Outcome of Any of Our Pending Contingencies or Litigation Could Adversely Affect Us.

We are currently involved in pending and threatened legal, regulatory and other proceedings arising in the ordinary course of business. These proceedings may pertain to matters such as product liability or contract disputes, and may also involve governmental inquiries, inspections, audits or investigations relating to issues such as tax matters, intellectual property, environmental, health and safety issues, governmental regulations, employment and other matters. Where it is reasonably possible to do so, we accrue estimates of the probable costs for the resolution of these matters. These estimates are developed in consultation with outside counsel and are based upon an analysis of potential results and the availability of insurance coverage, assuming a combination of litigation and settlement strategies. It is possible, however, that future operating results for any particular quarter or annual period could be materially affected by changes in our assumptions, the continued availability of insurance coverage or the effectiveness of our strategies related to these proceedings. For additional detail related to this risk, see Item 3, "Legal Proceedings" and Note 11 in Part II, Item 8, "Financial Statements and Supplementary Data."

Our Intangible Assets, Including Goodwill, are a Significant Portion of Our Total Assets and a Write-off of Our Intangible Assets or Goodwill Would Adversely Impact Our Operating Results and Significantly Reduce Our Net Worth.

Our total assets reflect substantial intangible assets, primarily goodwill and identifiable intangible assets. At December 31, 2020, goodwill and intangible assets totaled \$1,895.6 million and \$415.6 million, respectively. These assets primarily result from our acquisitions, representing the excess of the purchase price over the fair value of the tangible net assets we have acquired. Annually, or when certain events occur that require a more current valuation, we assess whether there has been an impairment in the value of our goodwill and identifiable intangible assets. If future operating performance at one or more of our reporting units were to fall significantly below forecasted levels, we could be required to reflect, under current applicable accounting rules, a non-cash charge to operating income for an impairment. Any determination requiring the write-off of a significant portion of our goodwill or identifiable intangible assets would adversely impact our results of operations and net worth. See Note 6 in Part II, Item 8, "Financial Statements and Supplementary Data" for further discussion on goodwill and intangible assets.

Failure To Comply with the U.S. Foreign Corrupt Practices Act, the U.K. Bribery Act or Other Applicable Anti-bribery Laws Could Have an Adverse Effect on Our Business.

The U.S. Foreign Corrupt Practices Act, the U.K. Bribery Act and similar anti-bribery laws in other jurisdictions generally prohibit companies and their intermediaries from making improper payments for the purpose of obtaining or retaining business. Recent years have seen a substantial increase in anti-bribery law enforcement activity with more frequent and aggressive investigations and enforcement proceedings by both the Department of Justice and the SEC, increased enforcement activity by non-U.S. regulators and increases in criminal and civil proceedings brought against companies and individuals. Our policies mandate compliance with all anti-bribery laws. However, we operate in certain countries that are recognized as having governmental and commercial corruption. Our internal control policies and procedures may not always protect us from reckless or criminal acts committed by our employees or third-party intermediaries. Violations of these anti-bribery laws may result in criminal or civil sanctions, which could have a material adverse effect on our business, financial condition and results of operations.

General Risk Factors

Our Success Depends on Our Executive Management and Other Key Personnel.

Our future success depends to a significant degree on the skills, experience and efforts of our executive management and other key personnel and their ability to provide the Company with uninterrupted leadership and direction. The loss of the services of any of our executive officers or a failure to provide adequate succession plans for key personnel could have an adverse impact. The availability of highly qualified talent is limited and the competition for talent is robust. However, we provide long-term equity incentives and certain other benefits for our executive officers which provide incentives for them to make a long-term commitment to our Company. Our future success will also depend on our ability to have adequate succession plans in place and to attract, retain and develop qualified personnel. A failure to efficiently replace executive management members and other key personnel and to attract, retain and develop new qualified personnel could have an adverse effect on our operations and implementation of our strategic plan.

Challenges with Respect to Labor Availability Could Negatively Impact our Ability to Operate or Grow our Business.

Our success depends in part on the ability of our businesses to proactively attract, motivate and retain a qualified and highly skilled workforce in an intensely competitive labor market. A failure to attract, motivate and retain highly skilled personnel could adversely affect our operating results or our ability to operate or grow our business. Additionally, any labor stoppages or labor disruptions, including due to geopolitical unrest, unfavorable economic or industry conditions, catastrophic weather events, natural disasters or the occurrence of a contagious disease or illness could adversely affect our operating results or our ability to operate or grow our business.

Item 1B. *Unresolved Staff Comments.*

None.

Item 2. *Properties.*

The Company's principal plants and offices have an aggregate floor space area of approximately 4.9 million square feet, of which 3.2 million square feet (66%) are located in the U.S. and approximately 1.7 million square feet (34%) are located outside the U.S., primarily in Germany (10%), U.K. (7%), Italy (5%), India (3%), China (2%), Canada (2%) and The Netherlands (2%). Management considers these facilities suitable and adequate for the Company's operations. Management believes the Company can meet demand increases over the near term with its existing facilities, especially given its operational improvement initiatives that usually increase capacity. The Company's executive office occupies 40,261 square feet of leased space in Northbrook, Illinois and 16,268 square feet of leased space in Chicago, Illinois.

Approximately 2.9 million square feet (60%) of the principal plant and office floor area are owned by the Company and the balance is held under lease. Approximately 1.8 million square feet (36%) of the principal plant and office floor area are held by business units in the Fluid & Metering Technologies segment; 1.4 million square feet (29%) are held by business units in the Health & Science Technologies segment; and 1.5 million square feet (30%) are held by business units in the Fire & Safety/Diversified Products segment. The remaining 0.2 million square feet (5%) include the executive office as well as shared services locations.

Item 3. *Legal Proceedings.*

The Company and its subsidiaries are party to legal proceedings as described in Note 11 in Part II, Item 8, “Commitments and Contingencies,” and such disclosure is incorporated by reference into this Item 3, “Legal Proceedings.” In addition, the Company and six of its subsidiaries are presently named as defendants in a number of lawsuits claiming various asbestos-related personal injuries, allegedly as a result of exposure to products manufactured with components that contained asbestos. These components were acquired from third party suppliers and were not manufactured by the Company or any of the defendant subsidiaries. To date, the majority of the Company’s settlements and legal costs, except for costs of coordination, administration, insurance investigation and a portion of defense costs, have been covered in full by insurance, subject to applicable deductibles. However, the Company cannot predict whether and to what extent insurance will be available to continue to cover these settlements and legal costs, or how insurers may respond to claims that are tendered to them. Asbestos-related claims have been filed in jurisdictions throughout the United States and the United Kingdom. Most of the claims resolved to date have been dismissed without payment. The balance of the claims have been settled for various immaterial amounts. Only one case has been tried, resulting in a verdict for the Company’s business unit. No provision has been made in the financial statements of the Company, other than for insurance deductibles in the ordinary course, and the Company does not currently believe the asbestos-related claims will have a material adverse effect on the Company’s business, financial position, results of operations or cash flows.

Item 4. *Mine Safety Disclosures.*

Not applicable.

PART II

Item 5. *Market for Registrant’s Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities.*

The Company’s common stock trades on the New York Stock Exchange under the symbol “IEX”. As of February 22, 2021, there were approximately 5,629 stockholders of record of our common stock and there were 75,889,737 shares outstanding.

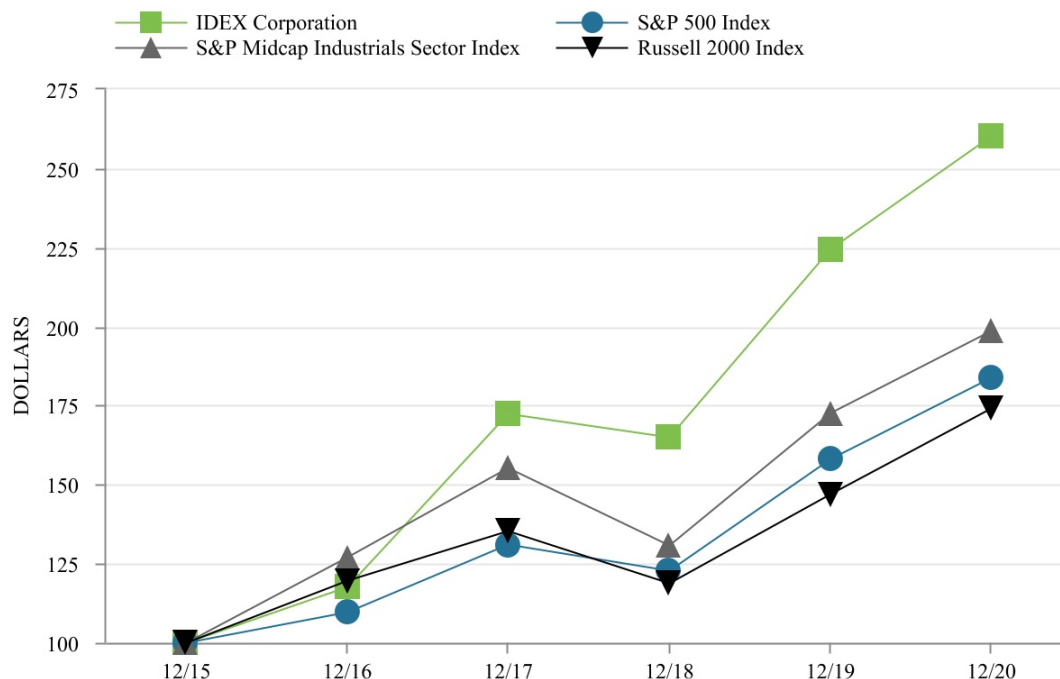
Our payment of dividends in the future will be determined by our Board of Directors and will depend on business conditions, our earnings and other factors.

For information pertaining to securities authorized for issuance under equity compensation plans and the related weighted average exercise price, see Part III, Item 12, “Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters.”

The Company did not purchase any shares of common stock during the quarter ended December 31, 2020. As of December 31, 2020, the amount of share repurchase authorization remaining was \$712.0 million.

On March 17, 2020, the Company’s Board of Directors approved an increase of \$500.0 million in the authorized level of repurchases of common stock. This approval is in addition to the prior repurchase authorizations of the Board of Directors of \$300.0 million on December 1, 2015 and \$400.0 million on November 6, 2014. These authorizations have no expiration date.

Performance Graph. The following table compares total stockholder returns over the last five years to the Standard & Poor’s (the “S&P”) 500 Index, the S&P Midcap Industrials Sector Index and the Russell 2000 Index assuming the value of the investment in our common stock and each index was \$100 on December 31, 2015. Total return values for our common stock, the S&P 500 Index, S&P Midcap Industrials Sector Index and the Russell 2000 Index were calculated on cumulative total return values assuming reinvestment of dividends. The stockholder return shown on the graph below is not necessarily indicative of future performance.



	12/15	12/16	12/17	12/18	12/19	12/20
IDEX Corporation	\$ 100.00	\$ 117.56	\$ 172.26	\$ 164.81	\$ 224.51	\$ 260.02
S&P 500 Index	\$ 100.00	\$ 109.54	\$ 130.81	\$ 122.65	\$ 158.07	\$ 183.77
S&P Midcap 400 Industrials Sector Index	\$ 100.00	\$ 127.07	\$ 155.26	\$ 130.62	\$ 172.42	\$ 198.59
Russell 2000 Index	\$ 100.00	\$ 119.48	\$ 135.18	\$ 118.72	\$ 146.89	\$ 173.86

The information contained in this Performance Graph section shall not be deemed to be “soliciting material” or “filed” with the SEC, nor shall such information be incorporated by reference into any future filing under the Securities Act of 1933 or the Securities Exchange Act of 1934.

Item 6. Selected Financial Data.⁽¹⁾

(Dollars in thousands, except per share data)	2020	2019	2018	2017	2016
RESULTS OF OPERATIONS					
Net sales	\$ 2,351,646	\$ 2,494,573	\$ 2,483,666	\$ 2,287,312	\$ 2,113,043
Gross profit	1,027,424	1,125,034	1,117,895	1,026,678	930,767
Selling, general and administrative expenses	494,935	524,987	536,724	524,940	492,398
Loss (gain) on sale of businesses - net	—	—	—	(9,273)	22,298
Restructuring expenses and asset impairments	11,776	21,044	12,083	8,455	3,674
Operating income	520,713	579,003	569,088	502,556	412,397
Other (income) expense - net	5,627	1,759	(3,985)	2,394	(1,731)
Interest expense	44,746	44,341	44,134	44,889	45,616
Provision for income taxes	92,562	107,382	118,366	118,016	97,403
Net income	377,778	425,521	410,573	337,257	271,109
Earnings per share: ⁽²⁾					
— basic	\$ 4.98	\$ 5.62	\$ 5.36	\$ 4.41	\$ 3.57
— diluted	\$ 4.94	\$ 5.56	\$ 5.29	\$ 4.36	\$ 3.53
Weighted average shares outstanding:					
— basic	75,741	75,594	76,412	76,232	75,803
— diluted	76,400	76,454	77,563	77,333	76,758
Year-end shares outstanding	75,961	76,088	75,953	76,694	76,441
Cash dividends per share	\$ 2.00	\$ 2.00	\$ 1.72	\$ 1.48	\$ 1.36
FINANCIAL POSITION					
Current assets	\$ 1,657,231	\$ 1,261,445	\$ 1,092,532	\$ 1,004,043	\$ 822,721
Current liabilities	399,058	357,877	364,661	360,975	309,158
Current ratio	4.2	3.5	3.0	2.8	2.7
Operating working capital ⁽³⁾	431,063	453,190	448,991	406,823	396,739
Total assets	\$ 4,414,398	\$ 3,813,912	\$ 3,473,857	\$ 3,399,628	\$ 3,154,944
Total borrowings	1,044,442	849,252	848,818	859,046	1,015,281
Total equity	2,540,326	2,263,229	1,994,640	1,886,542	1,543,894
PERFORMANCE MEASURES AND OTHER DATA					
Percent of net sales:					
Gross profit	43.7 %	45.1 %	45.0 %	44.9 %	44.0 %
Selling, general and administrative expenses	21.0 %	21.0 %	21.6 %	23.0 %	23.3 %
Operating income	22.1 %	23.2 %	22.9 %	22.0 %	19.5 %
Income before income taxes	20.0 %	21.4 %	21.3 %	19.9 %	17.4 %
Net income	16.1 %	17.1 %	16.5 %	14.7 %	12.8 %
Capital expenditures	\$ 51,545	\$ 50,912	\$ 56,089	\$ 43,858	\$ 38,242
Depreciation and amortization	83,495	76,876	77,544	84,216	86,892
Return on average assets ⁽⁴⁾	9.2 %	11.7 %	11.9 %	10.3 %	9.1 %
Borrowings as a percent of capitalization ⁽⁴⁾	29.1 %	27.3 %	29.9 %	31.3 %	39.7 %
Return on average equity ⁽⁴⁾	15.7 %	20.0 %	21.2 %	19.7 %	18.2 %
Employees at year end	7,075	7,439	7,352	7,167	7,158
NON-GAAP MEASURES ⁽⁵⁾					
EBITDA	\$ 598,581	\$ 654,120	\$ 650,617	\$ 584,378	\$ 501,020
EBITDA margin	25.5 %	26.2 %	26.2 %	25.5 %	23.7 %
Adjusted EBITDA	\$ 622,885	\$ 678,504	\$ 662,700	\$ 583,560	\$ 530,546
Adjusted EBITDA margin	26.5 %	27.2 %	26.7 %	25.5 %	25.1 %
Adjusted gross profit	\$ 1,031,531	\$ 1,128,374	\$ 1,117,895	\$ 1,026,678	\$ 930,767
Adjusted gross margin	43.9 %	45.2 %	45.0 %	44.9 %	44.0 %
Adjusted operating income	\$ 536,596	\$ 603,387	\$ 581,171	\$ 501,738	\$ 438,369
Adjusted operating margin	22.8 %	24.2 %	23.4 %	21.9 %	20.7 %
Adjusted net income	\$ 396,516	\$ 444,204	\$ 419,624	\$ 333,667	\$ 288,373
Adjusted earnings per share	\$ 5.19	\$ 5.80	\$ 5.41	\$ 4.31	\$ 3.75

(1) This selected financial data should be read in conjunction with our Consolidated Financial Statements and related Notes in Part II, Item 8, “Financial Statements and Supplementary Data” and with Item 7, “Management’s Discussion and Analysis of Financial Condition and Results of Operations.”

(2) Calculated by applying the two-class method of allocating earnings to common stock and participating securities as required by Accounting Standards Codification (“ASC”) 260, *Earnings Per Share*.

(3) Operating working capital is defined as inventory plus accounts receivable minus accounts payable.

(4) Return on average assets is calculated as: Net income / (Current year Total assets + Prior year Total assets) / 2; Borrowings as a percent of capitalization is calculated as: (Long-term borrowings + Short-term borrowings) / (Long-term borrowings + Short-term borrowings + Total equity); Return on average equity is calculated as Net Income / (Current year Total equity + Prior year Total equity) / 2.

(5) Set forth below are reconciliations of Adjusted gross profit, Adjusted operating income, Adjusted net income, Adjusted earnings per share (“EPS”), EBITDA and Adjusted EBITDA to the comparable measures of gross profit, operating income, net income and EPS, as determined in accordance with accounting principles generally accepted in the United States of America (“U.S. GAAP”). We have reconciled Adjusted gross profit to Gross profit, Adjusted operating income to Operating income; Adjusted net income to Net income; Adjusted EPS to EPS; and consolidated EBITDA, segment EBITDA, adjusted consolidated EBITDA and adjusted segment EBITDA to Net income. The reconciliation of segment EBITDA to net income was performed on a consolidated basis due to the fact that we do not allocate consolidated interest expense or the consolidated provision for income taxes to our segments.

Management uses Adjusted gross profit, Adjusted operating income, Adjusted net income, Adjusted EPS and Adjusted EBITDA as metrics by which to measure performance of the Company since they exclude items that are not reflective of ongoing operations, such as gains/losses on the

sale of businesses, restructuring expenses and asset impairments, fair value inventory step-up charges, a loss on early debt redemption and pension settlements. Management also supplements its U.S. GAAP financial statements with adjusted information to provide investors with greater insight, transparency and a more comprehensive understanding of the information used by management in its financial and operational decision making.

EBITDA means earnings before interest, income taxes, depreciation and amortization. Given the acquisitive nature of the Company, which results in a higher level of amortization expense from recently acquired businesses, management uses EBITDA as an internal operating metric to provide another representation of the businesses' performance across our three segments and for enterprise valuation purposes. Management believes that EBITDA is useful to investors as an indicator of the strength and performance of the Company and a way to evaluate and compare operating performance and value companies within our industry. Management believes that EBITDA margin is useful for the same reason as EBITDA. EBITDA is also used to calculate certain financial covenants, as discussed in Note 7 of the Notes to Consolidated Financial Statements in Part II, Item 8, "Financial Statements and Supplementary Data." In addition, EBITDA has been adjusted for items that are not reflective of ongoing operations, such as gains/losses on the sale of businesses, restructuring expenses and asset impairments, fair value inventory step-up charges, a loss on early debt redemption and pension settlements to arrive at Adjusted EBITDA. Management believes that Adjusted EBITDA is useful as a performance indicator of ongoing operations. We believe that Adjusted EBITDA is also useful to some investors as an indicator of the strength and performance of the Company and its segments' ongoing business operations and a way to evaluate and compare operating performance and value companies within our industry. The definition of Adjusted EBITDA used here may differ from that used by other companies.

Also set forth below is a reconciliation of the change in organic net sales to the comparable measure of net sales as determined in accordance with U.S. GAAP, which represents the year-over-year consistency in net sales after excluding the impact from acquisitions/divestitures and foreign currency translation. Management believes that reporting organic sales provides useful information to investors by helping identify underlying growth trends in our business and facilitating easier comparisons of our revenue performance with prior and future periods and to our peers. Refer to Item 7, Management's Discussion and Analysis of Financial Condition and Results of Operations for additional discussion of organic net sales.

The non-GAAP financial measures disclosed by the Company should not be considered a substitute for, or superior to, financial measures prepared in accordance with U.S. GAAP. The financial results prepared in accordance with U.S. GAAP and the reconciliations from these results should be carefully evaluated.

1. Reconciliations of Consolidated EBITDA

	For the Years Ended December 31,				
	2020	2019	2018	2017	2016
	(In thousands)				
Net income	\$ 377,778	\$ 425,521	\$ 410,573	\$ 337,257	\$ 271,109
+ Provision for income taxes	92,562	107,382	118,366	118,016	97,403
+ Interest expense	44,746	44,341	44,134	44,889	45,616
+ Depreciation and amortization	83,495	76,876	77,544	84,216	86,892
EBITDA	598,581	654,120	650,617	584,378	501,020
+ Restructuring expenses and asset impairments	11,776	21,044	12,083	8,455	3,674
+ Loss (gain) on sale of businesses - net	—	—	—	(9,273)	22,298
+ Pension settlement	—	—	—	—	3,554
+ Fair value inventory step-up charge	4,107	3,340	—	—	—
+ Loss on early debt redemption	8,421	—	—	—	—
Adjusted EBITDA	\$ 622,885	\$ 678,504	\$ 662,700	\$ 583,560	\$ 530,546
Net sales	\$ 2,351,646	\$ 2,494,573	\$ 2,483,666	\$ 2,287,312	\$ 2,113,043
EBITDA margin	25.5 %	26.2 %	26.2 %	25.5 %	23.7 %
Adjusted EBITDA margin	26.5 %	27.2 %	26.7 %	25.5 %	25.1 %

2. Reconciliations of Segment EBITDA

	For the Years Ended December 31,								
	2020			2019			2018		
	FMT	HST	FSDP	FMT	HST	FSDP	FMT	HST	FSDP
	(In thousands)								
EBITDA	\$261,804	\$248,161	\$159,008	\$306,933	\$237,480	\$178,820	\$296,079	\$246,810	\$186,538
+ Restructuring expenses and asset impairments	5,580	2,742	2,524	2,879	14,249	1,364	2,458	5,904	2,184
+ Fair value inventory step-up charge	4,107	—	—	—	3,340	—	—	—	—
Adjusted EBITDA	\$271,491	\$250,903	\$161,532	\$309,812	\$255,069	\$180,184	\$298,537	\$252,714	\$188,722
Net sales	\$896,304	\$895,962	\$562,851	\$957,028	\$914,446	\$626,770	\$951,552	\$896,419	\$637,028
EBITDA margin	29.2 %	27.7 %	28.3 %	32.1 %	26.0 %	28.5 %	31.1 %	27.5 %	29.3 %
Adjusted EBITDA margin	30.3 %	28.0 %	28.7 %	32.4 %	27.9 %	28.7 %	31.4 %	28.2 %	29.6 %

3. Reconciliations of Consolidated Reported-to-Adjusted Operating Income and Margin

	For the Years Ended December 31,				
	2020	2019	2018	2017	2016
	(In thousands)				
Operating income	\$ 520,713	\$ 579,003	\$ 569,088	\$ 502,556	\$ 412,397
+ Restructuring expenses and asset impairments	11,776	21,044	12,083	8,455	3,674
+ Loss (gain) on sale of businesses - net	—	—	—	(9,273)	22,298
+ Fair value inventory step-up charge	4,107	3,340	—	—	—
Adjusted operating income	\$ 536,596	\$ 603,387	\$ 581,171	\$ 501,738	\$ 438,369
Net sales	\$ 2,351,646	\$ 2,494,573	\$ 2,483,666	\$ 2,287,312	\$ 2,113,043
Operating margin	22.1 %	23.2 %	22.9 %	22.0 %	19.5 %
Adjusted operating margin	22.8 %	24.2 %	23.4 %	21.9 %	20.7 %

4. Reconciliations of Segment Reported-to-Adjusted Operating Income and Margin

	For the Years Ended December 31,								
	2020			2019			2018		
	FMT	HST	FSDP	FMT	HST	FSDP	FMT	HST	FSDP
	(In thousands)								
Operating income	\$235,011	\$206,356	\$144,191	\$285,256	\$200,200	\$165,258	\$275,060	\$205,679	\$168,601
+ Restructuring expenses and asset impairments	5,580	2,742	2,524	2,879	14,249	1,364	2,458	5,904	2,184
+ Fair value inventory step-up charge	4,107	—	—	—	3,340	—	—	—	—
Adjusted operating income	\$244,698	\$209,098	\$146,715	\$288,135	\$217,789	\$166,622	\$277,518	\$211,583	\$170,785
Net sales	\$896,304	\$895,962	\$562,851	\$957,028	\$914,446	\$626,770	\$951,552	\$896,419	\$637,028
Operating margin	26.2 %	23.0 %	25.6 %	29.8 %	21.9 %	26.4 %	28.9 %	22.9 %	26.5 %
Adjusted operating margin	27.3 %	23.3 %	26.1 %	30.1 %	23.8 %	26.6 %	29.2 %	23.6 %	26.8 %

5. Reconciliations of Consolidated Reported-to-Adjusted Gross Profit and Margin

	For the Years Ended December 31,				
	2020	2019	2018	2017	2016
	(In thousands)				
Gross profit	\$ 1,027,424	\$ 1,125,034	\$ 1,117,895	\$ 1,026,678	\$ 930,767
+ Fair value inventory step-up charge	4,107	3,340	—	—	—
Adjusted gross profit	\$ 1,031,531	\$ 1,128,374	\$ 1,117,895	\$ 1,026,678	\$ 930,767
Net sales	\$ 2,351,646	\$ 2,494,573	\$ 2,483,666	\$ 2,287,312	\$ 2,113,043
Gross margin	43.7 %	45.1 %	45.0 %	44.9 %	44.0 %
Adjusted gross margin	43.9 %	45.2 %	45.0 %	44.9 %	44.0 %

6. Reconciliations of Reported-to-Adjusted Net Income and EPS

	For the Years Ended December 31,				
	2020	2019	2018	2017	2016
	(In thousands)				
Net income	\$ 377,778	\$ 425,521	\$ 410,573	\$ 337,257	\$ 271,109
+ Restructuring expenses and asset impairments	11,776	21,044	12,083	8,455	3,674
+ Tax impact on restructuring expenses and asset impairments	(2,722)	(4,966)	(3,032)	(2,772)	(1,299)
+ Fair value inventory step-up charge	4,107	3,340	—	—	—
+ Tax impact on fair value inventory step-up charge	(932)	(735)	—	—	—
+ Loss (gain) on sale of businesses	—	—	—	(9,273)	22,298
+ Tax impact on loss (gain) on sale of businesses	—	—	—	—	(9,706)
+ Pension settlement	—	—	—	—	3,554
+ Tax impact on pension settlement	—	—	—	—	(1,257)
+ Loss on early debt redemption	8,421	—	—	—	—
+ Tax impact on loss on early debt redemption	(1,912)	—	—	—	—
Adjusted net income	\$ 396,516	\$ 444,204	\$ 419,624	\$ 333,667	\$ 288,373
EPS	\$ 4.94	\$ 5.56	\$ 5.29	\$ 4.36	\$ 3.53
+ Restructuring expenses and asset impairments	0.15	0.28	0.16	0.11	0.05
+ Tax impact on restructuring expenses and asset impairments	(0.03)	(0.07)	(0.04)	(0.04)	(0.02)
+ Fair value inventory step-up charge	0.05	0.04	—	—	—
+ Tax impact on fair value inventory step-up charge	(0.01)	(0.01)	—	—	—
+ Loss (gain) on sale of businesses	—	—	—	(0.12)	0.29
+ Tax impact on loss (gain) on sale of businesses	—	—	—	—	(0.13)
+ Pension settlement	—	—	—	—	0.05
+ Tax impact on pension settlement	—	—	—	—	(0.02)
+ Loss on early debt redemption	0.11	—	—	—	—
+ Tax impact on loss on early debt redemption	(0.02)	—	—	—	—
Adjusted EPS	\$ 5.19	\$ 5.80	\$ 5.41	\$ 4.31	\$ 3.75
Diluted weighted average shares	76,400	76,454	77,563	77,333	76,758

7. Reconciliations of EBITDA to Net Income (dollars in thousands)

	For the Year Ended December 31, 2020				
	FMT	HST	FSDP	Corporate	IDEX
Operating income (loss)	\$ 235,011	\$ 206,356	\$ 144,191	\$ (64,845)	\$ 520,713
- Other (income) expense - net	(854)	(27)	399	6,109	5,627
+ Depreciation and amortization	25,939	41,778	15,216	562	83,495
EBITDA	261,804	248,161	159,008	(70,392)	598,581
- Interest expense					44,746
- Provision for income taxes					92,562
- Depreciation and amortization					83,495
Net income					\$ 377,778
Net sales (eliminations)	\$896,304	\$895,962	\$562,851	\$(3,471)	\$2,351,646
Operating margin	26.2 %	23.0 %	25.6 %	n/m	22.1 %
EBITDA margin	29.2 %	27.7 %	28.3 %	n/m	25.5 %

	For the Year Ended December 31, 2019				
	FMT	HST	FSDP	Corporate	IDEX
Operating income (loss)	\$ 285,256	\$ 200,200	\$ 165,258	\$ (71,711)	\$ 579,003
- Other (income) expense - net	475	2,441	771	(1,928)	1,759
+ Depreciation and amortization	22,152	39,721	14,333	670	76,876
EBITDA	306,933	237,480	178,820	(69,113)	654,120
- Interest expense					44,341
- Provision for income taxes					107,382
- Depreciation and amortization					76,876
Net income					\$ 425,521
Net sales (eliminations)	\$ 957,028	\$ 914,446	\$ 626,770	\$(3,671)	\$ 2,494,573
Operating margin	29.8 %	21.9 %	26.4 %	n/m	23.2 %
EBITDA margin	32.1 %	26.0 %	28.5 %	n/m	26.2 %

	For the Year Ended December 31, 2018				
	FMT	HST	FSDP	Corporate	IDEX
Operating income (loss)	\$ 275,060	\$ 205,679	\$ 168,601	\$ (80,252)	\$ 569,088
- Other (income) expense - net	1,351	(1,192)	(3,444)	(700)	(3,985)
+ Depreciation and amortization	22,370	39,939	14,493	742	77,544
EBITDA	296,079	246,810	186,538	(78,810)	650,617
- Interest expense					44,134
- Provision for income taxes					118,366
- Depreciation and amortization					77,544
Net income					\$ 410,573
Net sales (eliminations)	\$ 951,552	\$ 896,419	\$ 637,028	\$ (1,333)	\$ 2,483,666
Operating margin	28.9 %	22.9 %	26.5 %	n/m	22.9 %
EBITDA margin	31.1 %	27.5 %	29.3 %	n/m	26.2 %

8. Reconciliation of the Change in Net Sales to Organic Net Sales

	For the Year Ended December 31,											
	2020				2019				2018			
	FMT	HST	FSDP	IDEX	FMT	HST	FSDP	IDEX	FMT	HST	FSDP	IDEX
Change in net sales	(6 %)	(2 %)	(10 %)	(6 %)	1 %	2 %	(2 %)	— %	8 %	9 %	8 %	9 %
- Net impact from acquisitions/divestitures	6 %	2 %	— %	3 %	— %	2 %	— %	1 %	(2 %)	2 %	— %	— %
- Impact from foreign currency	— %	— %	1 %	— %	(1 %)	(1 %)	(2 %)	(2 %)	1 %	1 %	1 %	1 %
Change in organic net sales	<u>(12 %)</u>	<u>(4 %)</u>	<u>(11 %)</u>	<u>(9 %)</u>	<u>2 %</u>	<u>1 %</u>	<u>— %</u>	<u>1 %</u>	<u>9 %</u>	<u>6 %</u>	<u>7 %</u>	<u>8 %</u>

Refer to Management's Discussion and Analysis for definition and further discussion on organic sales.

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations.

The following discussion and analysis should be read in conjunction with our Consolidated Financial Statements and related notes in this annual report. This discussion may contain forward-looking statements based upon current expectations that involve risks and uncertainties. Our actual results and the timing of selected events could differ materially from those anticipated in these forward-looking statements as a result of several factors, including those set forth under Item 1A, "Risk Factors" and elsewhere in this annual report.

2020 Overview

IDEX is an applied solutions company specializing in the manufacture of fluid and metering technologies, health and science technologies and fire, safety and other diversified products built to customers' specifications. IDEX's products are sold in niche markets across a wide range of industries throughout the world. Accordingly, IDEX's businesses are affected by levels of industrial activity and economic conditions in the U.S. and in other countries where it does business and by the relationship of the U.S. dollar to other currencies. Levels of capacity utilization and capital spending in certain industries and overall industrial activity are important factors that influence the demand for IDEX's products.

The Company has three reportable business segments: Fluid & Metering Technologies, Health & Science Technologies and Fire & Safety/Diversified Products.

- Our Fluid & Metering Technologies segment designs, produces and distributes some of the most recognized names in positive displacement pumps and flow meters, compressors, injectors and other fluid-handling pump modules and systems.
- Our Health & Science Technologies segment focuses on precision engineered fluidics to support and enable growth in analytical instrumentation and the life sciences as well as pneumatic components and proprietary high performance seals and advanced sealing solutions. Within the fields of health and science, we leverage our capabilities in small-scale, highly accurate fluidics components and medical devices as well as integrated systems and solutions to support the worldwide growth in pharmaceutical drug discovery and new applications in life sciences and diagnostic testing.
- Our Fire & Safety/Diversified Products segment produces firefighting pumps and controls, apparatus valves, monitors, nozzles, rescue tools, lifting bags and other components and systems for the fire and rescue industry, engineered stainless steel banding and clamping devices used in a variety of industrial and commercial applications and precision equipment for dispensing, metering, and mixing colorants and paints used in a variety of retail and commercial businesses around the world.

For a detailed description of our operations within each segment, please refer to Part I, Item 1. "Business" of this Annual Report on Form 10-K. Within our three reportable segments, the Company maintains 13 platforms where we focus on organic growth and strategic acquisitions. Each of our 13 platforms is also a reporting unit that we annually test goodwill for impairment.

Our 2020 financial results were as follows:

- Sales of \$2.4 billion were down 6.0% and organic sales were down 9.0% compared to the prior year, partially offset by a 3% increase in sales due to acquisitions (Flow MD - February 2020 and Velcora - July 2019).
- Operating income of \$520.7 million was down 10% from the prior year and operating margin of 22.1% was down 110 basis points from the prior year.
- Net income decreased 11% from the prior year to \$377.8 million in 2020.
- Diluted EPS of \$4.94 decreased \$0.62, or 11%, compared to 2019.

Our 2020 financial results, adjusted for \$11.8 million of restructuring expenses and asset impairments, a \$4.1 million fair value inventory step-up charge and an \$8.4 million loss on early debt redemption, compared to our 2019 financial results, adjusted for \$21.0 million of restructuring expenses and asset impairments and a \$3.3 million fair value inventory step-up charge, were as follows (these non-GAAP measures have been reconciled to U.S. GAAP measures in Item 6, "Selected Financial Data"):

- Adjusted operating income of \$536.6 million was down 11% from the prior year and adjusted operating margin of 22.8% was down 140 basis points from the prior year.
- Adjusted net income decreased 11% from the prior year to \$396.5 million in 2020.
- Adjusted EPS of \$5.19 was 11% lower than prior year adjusted EPS of \$5.80.

Results of Operations

The following is a discussion and analysis of our results of operations for the year ended December 31, 2020 compared to the year ended December 31, 2019. For discussion related to the results of operations for the year ended December 31, 2019 compared to the year ended December 31, 2018, refer to Part II, Item 7, “Management’s Discussion and Analysis of Financial Condition and Results of Operations” in the Company’s annual report on Form 10-K for the year ended December 31, 2019, which was filed with the SEC on February 21, 2020. For purposes of this Item, reference is made to the Consolidated Statements of Operations in Part II, Item 8, “Financial Statements and Supplementary Data.” Segment operating income excludes unallocated corporate operating expenses. Management’s primary measurements of segment performance are sales, operating income and operating margin.

The Company is contributing in efforts to end the COVID-19 pandemic with several of our businesses pivoting to support many products that are being used in the fight against COVID-19. Safety is our top priority and we have implemented protocols at all of our facilities, including temperature taking, social distancing, enhanced cleaning and face coverings. These measures have enabled successful business continuity, allowing our facilities to remain in operation with only temporary shutdowns at the initial onset of the COVID-19 pandemic. Although we have remained in operation throughout the pandemic, satisfying customer needs in part through our focus on the development and manufacturing of products used in the fight against COVID-19, the pandemic and the enacted containment measures have adversely affected our business and results of operations. From the onset of the pandemic through the second quarter of 2020, our customers purchased less product than they have historically purchased; however, beginning in the third quarter and continuing through the fourth quarter of 2020 we began to see improvement in our end markets and we expect our end markets to continue to normalize to historical levels through 2021. Additionally, IDEX has implemented cost reduction actions, including employee reductions and facility consolidations, and continues to maintain a tight cost control environment. Moreover, COVID-19 and related measures to contain its impact have caused material disruptions in both national and global financial markets and economies. The continuing impact of COVID-19 and the enacted containment measures cannot be predicted and may continue to adversely affect, perhaps materially, our business, results of operations, financial condition and liquidity.

In the following discussion, and throughout this report, references to organic sales, a non-GAAP measure, refers to sales from continuing operations calculated according to U.S. GAAP but excludes (1) the impact of foreign currency translation and (2) sales from acquired or divested businesses during the first 12 months of ownership or prior to divestiture. The portion of sales attributable to foreign currency translation is calculated as the difference between (a) the period-to-period change in organic sales and (b) the period-to-period change in organic sales after applying prior period foreign exchange rates to the current year period. Management believes that reporting organic sales provides useful information to investors by helping identify underlying growth trends in our business and facilitating easier comparisons of our revenue performance with prior and future periods and to our peers. The Company excludes the effect of foreign currency translation from organic sales because foreign currency translation is not under management’s control, is subject to volatility and can obscure underlying business trends. The Company excludes the effect of acquisitions and divestitures because they can obscure underlying business trends and make comparisons of long-term performance difficult due to the varying nature, size and number of transactions from period to period and between the Company and its peers.

Performance in 2020 Compared with 2019

(In thousands)	2020	2019	Change
Net sales	\$ 2,351,646	\$ 2,494,573	(6)%
Operating income	520,713	579,003	(10)%

Sales in 2020 were \$2.4 billion, a 6% decrease compared with last year. Organic sales declined 9% compared to prior year, partially offset by a 3% increase in sales from acquisitions (Flow MD - February 2020 and Velcora - July 2019). Sales to customers outside the U.S. represented approximately 51% of total sales in 2020 compared with 50% in 2019.

In 2020, Fluid & Metering Technologies contributed 38% of sales and 40% of total segment operating income; Health & Science Technologies contributed 38% of sales and 35% of total segment operating income; and Fire & Safety/Diversified Products contributed 24% of sales and 25% of total segment operating income.

Gross profit of \$1.0 billion in 2020 decreased \$97.6 million, or 9%, from 2019, and gross margin decreased 140 basis points to 43.7% in 2020 from 45.1% in 2019. The decrease in gross profit and gross margin is primarily due to lower volume and business mix, partially offset by price capture.

Selling, general and administrative (“SG&A”) expenses decreased to \$494.9 million in 2020 from \$525.0 million in 2019. The \$30.1 million decrease is primarily due to restructuring savings, lower discretionary spending and lower stock compensation costs due to the departure of our former Chief Executive Officer, partially offset by increased funding of the IDEX Foundation and higher acquisition costs. As a percentage of sales, SG&A expenses were 21.1% for 2020 and 21.2% for 2019.

In 2020 and 2019, the Company incurred pre-tax restructuring expenses and asset impairments totaling \$11.8 million and \$21.0 million, respectively, to facilitate long-term, sustainable growth through cost reduction actions, primarily consisting of employee reductions, facility rationalization and asset impairments. The restructuring expenses and asset impairments in 2020 included severance benefits of \$8.5 million, exit costs of \$0.2 million and asset impairments of \$3.1 million. In the fourth quarter of 2020, the Company consolidated certain facilities within the FMT segment resulting in an impairment charge of \$2.5 million, consisting of \$1.6 million related to property, plant and equipment which was not relocated to the new location and \$0.9 million related to a building right-of-use asset that was exited early. The Company also relocated its corporate office resulting in an impairment charge of \$0.6 million, consisting of \$0.2 million related to property, plant and equipment which was not relocated to the new location and \$0.4 million related to a building right-of-use asset that was exited early. The restructuring expenses and asset impairments in 2019 included severance benefits of \$9.8 million, exit costs of \$1.1 million and impairment charges of \$10.1 million. In the second quarter of 2019, the Company began to evaluate strategic alternatives for one of its businesses in the HST segment. Prior to making a final decision on the options that were presented for this business, the business was informed in the third quarter of 2019 of the loss of its largest customer. As a result, the Company accelerated its restructuring activities for this business and a decision was made to wind down the business over time, resulting in a \$9.7 million impairment charge. In addition, in the fourth quarter of 2019, the Company completed the consolidation of one of its facilities into the Optics Center of Excellence in Rochester, New York, which resulted in a \$0.4 million impairment charge.

Operating income of \$520.7 million in 2020 decreased from \$579.0 million in 2019, and operating margin of 22.1% in 2020 was down 110 basis points from 23.2% in 2019. Both operating income and operating margin decreased compared to 2019 primarily due to lower volume and business mix, partially offset by price capture and cost savings in the current year as well as higher asset impairments in the prior year.

Other (income) expense - net increased by \$3.9 million from expense of \$1.8 million in 2019 to expense of \$5.6 million in 2020 primarily due to an \$8.4 million loss on early debt redemption, partially offset by \$3.5 million of lower pension expense and \$0.6 million of higher gains on pension-related investments in 2020.

Interest expense increased to \$44.7 million in 2020 from \$44.3 million in 2019. The increase was primarily due to borrowings under the Revolving Facility (defined below) in 2020 and interest expense on the new 3.0% Senior Notes (defined below) issued during the second quarter of 2020, partially offset by write-offs related to the 4.2% Senior Notes (defined below).

The provision for income taxes is based upon estimated annual tax rates for the year applied to federal, state and foreign income. The provision for income taxes decreased to \$92.6 million in 2020 compared to \$107.4 million in 2019. The effective tax rate decreased to 19.7% in 2020 compared to 20.2% in 2019 due to benefits associated with the finalization of the Global Intangible Low-Tax Income (“GILTI”) regulations in the third quarter of 2020 and the mix of global pre-tax income among jurisdictions.

Net income for the year of \$377.8 million decreased from \$425.5 million in 2019. Diluted earnings per share in 2020 of \$4.94 decreased \$0.62 from \$5.56 in 2019.

Fluid & Metering Technologies Segment

(In thousands)	2020	2019	Change
Net sales	\$ 896,304	\$ 957,028	(6)%
Operating income	235,011	285,256	(18)%
Operating margin	26.2 %	29.8 %	(360) bps

Sales of \$896.3 million decreased \$60.7 million, or 6%, in 2020 compared with 2019. This decrease reflected a 12% decline in organic sales, partially offset by a 6% increase from acquisitions (Flow MD - February 2020). In 2020, sales decreased 7% domestically and 6% internationally. Sales to customers outside the U.S. were approximately 44% of total segment sales in 2020 compared with 43% in 2019.

Sales within our Pumps platform decreased compared to 2019 due to compound effects of the industrial market weakness, declines in oil and gas markets and the economic impact of the COVID-19 pandemic on most markets and geographies. Sales within our Valves platform decreased compared to 2019 due to the impact of the COVID-19 pandemic and general industrial market slowdown in Europe and Asia. Sales within our Water platform decreased compared to 2019 due to lower project volume in the United States and Asian markets compounded by the impact of the COVID-19 pandemic on food service, hospitality and general industrial markets. Sales within our Agriculture platform decreased compared to 2019 due to decreased demand from agricultural OEM market customers in North America. Sales within our Energy platform increased compared to 2019 due to the acquisition of Flow MD, partially offset by weakness in the energy markets resulting from declines in energy prices.

Operating income and operating margin of \$235.0 million and 26.2%, respectively, were lower than the \$285.3 million and 29.8%, respectively, recorded in 2019, primarily due to lower volume, business mix, higher restructuring expenses and asset impairments as well as the fair value inventory step-up charge and the dilutive impact on margins from the Flow MD acquisition, partially offset by price capture and cost savings.

Health & Science Technologies Segment

(In thousands)	2020	2019	Change	
Net sales	\$ 895,962	\$ 914,446	(2)%	
Operating income	206,356	200,200	3 %	
Operating margin	23.0 %	21.9 %	110	bps

Sales of \$896.0 million decreased \$18.5 million, or 2%, in 2020 compared with 2019. This decrease reflected a 4% decline in organic sales, partially offset by a 2% increase from acquisitions (Velcora - July 2019). In 2020, sales decreased 6% domestically and increased 1% internationally. Sales to customers outside the U.S. were approximately 57% of total segment sales in 2020 compared with 55% in 2019.

Sales within our Micropump platform decreased compared to 2019 due to weakness in core printing and industrial distribution. Sales in our Gast platform decreased compared to 2019 due to the non-repeat of a large customer project, combined with the impact of COVID-19 and general industrial market slowdown, partially offset by a new COVID-19 initiative. Sales within our Scientific Fluidics & Optics platform decreased compared to 2019 due to the impact of the COVID-19 pandemic, which delayed investments in Analytical Instrumentation and in vitro diagnostics (“IVD”) and biotechnology, partially offset by increased demand for fluidics and optical technologies supporting COVID-19 testing. Sales within our Material Processing Technologies platform increased compared to 2019 due to strength in the food and pharmaceutical markets, partially offset by the impact of the COVID-19 pandemic. Sales within our Sealing Solutions platform increased compared to 2019 due to the Velcora acquisition and recovery of the semiconductor market, partially offset by the COVID-19 disruption of the automotive market and weakness in oil and gas markets.

Operating income and operating margin of \$206.4 million and 23.0%, respectively, in 2020 were up from \$200.2 million and 21.9%, respectively, in 2019, primarily due to price capture and cost savings in 2020 as well as the asset impairments in 2019, partially offset by lower volume and business mix.

Fire & Safety/Diversified Products Segment

(In thousands)	2020	2019	Change	
Net sales	\$ 562,851	\$ 626,770	(10)%	
Operating income	144,191	165,258	(13)%	
Operating margin	25.6 %	26.4 %	(80)	bps

Sales of \$562.9 million decreased \$63.9 million, or 10%, in 2020 compared with 2019. This decrease reflected an 11% decline in organic sales, partially offset by a 1% favorable impact from foreign currency translation. In 2020, sales decreased 11% domestically and 9% internationally. Sales to customers outside the U.S. were approximately 52% of total segment sales in both 2020 and 2019.

Sales in our BAND-IT platform decreased compared to 2019 due to the disruption of the automotive and aviation markets as a result of the COVID-19 pandemic. Sales within our Dispensing platform decreased compared to 2019 due to lower capital

spending as a result of the COVID-19 pandemic. Sales within our Fire & Safety platform decreased compared to 2019 primarily due to the impact of the COVID-19 pandemic on the timing of municipal projects and truck manufacturer deliveries.

Operating income of \$144.2 million and operating margin of 25.6%, respectively, were lower than the \$165.3 million and 26.4%, respectively, in 2019, primarily due to due to volume declines, partially offset by price capture and cost savings.

Liquidity and Capital Resources

Operating Activities

Cash flows from operating activities increased \$41.2 million, or 7.8%, to \$569.3 million in 2020, primarily due to favorable working capital performance which more than offset the impact of lower earnings. At December 31, 2020, working capital was \$1,258.2 million and the Company's current ratio was 4.2 to 1. At December 31, 2020, the Company's cash and cash equivalents totaled \$1,025.9 million, of which \$556.9 million was held outside of the United States. The COVID-19 pandemic has impacted and may continue to impact the Company's operating cash flows through direct and indirect effects on the Company's operations, customers and supply chain. Although the Company has been able to operate through the COVID-19 pandemic with only temporary shutdowns at the onset of the pandemic, any future disruptions due to operational shutdowns may impact the Company's ability to operate as well as generate operating cash flow. Based on currently available information and management's current expectations, the Company anticipates that it has sufficient cash on hand and sufficient access to capital to continue to fund operations for at least the next twelve months. However, the continuing impact of COVID-19 and its associated containment measures cannot be predicted with certainty and may increase our incremental borrowing costs and other costs of capital and otherwise adversely affect our business, results of operations, financial condition and liquidity, and we cannot assure that we will have access to external financing at times and on terms we consider acceptable, or at all, or that we will not experience other liquidity issues going forward.

Investing Activities

Cash flows used in investing activities increased \$35.6 million to \$172.6 million in 2020, primarily due to \$123.1 million spent on the acquisitions of Flow MD and Qualtek in 2020 compared to \$87.2 million spent on the acquisition of Velcora in 2019.

Cash flows from operations were more than adequate to fund capital expenditures of \$51.5 million and \$50.9 million in 2020 and 2019, respectively. The COVID-19 pandemic has impacted and may continue to impact the Company's operating cash flows, which may lead to reductions in capital expenditures. The Company believes it has sufficient operating cash flow to continue to meet current obligations and invest in planned capital expenditures. Capital expenditures are generally expenditures for machinery and equipment that support growth, improved productivity, tooling, business system technology, replacement of equipment and investments in new facilities. Management believes that the Company has ample capacity in its plants and equipment to meet demand increases for future growth in the intermediate term.

Financing Activities

Cash flows used in financing activities decreased \$185.0 million to \$42.6 million in 2020, primarily as a result of proceeds from the issuance of the 3.0% Senior Notes and the repayment of debt assumed in the Velcora acquisition in the third quarter of 2019, partially offset by the early payment of the 4.5% Senior Notes as well as higher share repurchases and dividends paid in 2020.

On April 29, 2020, the Company completed a public offering of \$500.0 million in aggregate principal amount of 3.0% Senior Notes due 2030 (the "3.0% Senior Notes"). The net proceeds from the offering were approximately \$494.4 million, after deducting the issuance discount of \$0.9 million, the underwriting commission of \$3.3 million and offering expenses of \$1.4 million. The net proceeds were used to redeem and repay the \$300.0 million aggregate principal amount outstanding of its 4.5% Senior Notes due December 15, 2020 and the related accrued interest and make-whole premium, with the balance used for general corporate purposes. The 3.0% Senior Notes bear interest at a rate of 3.0% per annum, which is payable semi-annually in arrears on May 1 and November 1 of each year. The 3.0% Senior Notes mature on May 1, 2030.

On April 27, 2020, the Company provided notice of its election to redeem early, on May 27, 2020, the \$300.0 million aggregate principal amount outstanding of its 4.5% Senior Notes at a redemption price of \$300.0 million plus a make-whole redemption premium of \$6.8 million and accrued and unpaid interest of \$6.1 million using proceeds from the Company's 3.0% Senior Notes. In addition, the Company recognized the remaining \$1.4 million of the pre-tax amount included in Accumulated other comprehensive income (loss) in shareholders' equity related to the interest rate exchange agreement associated with the

4.5% Senior Notes as well as the remaining \$0.1 million of deferred issuance costs and \$0.1 million of the debt issuance discount associated with the 4.5% Senior Notes for a total loss on early debt redemption of \$8.4 million which was recorded within Other (income) expense - net in the Consolidated Statements of Operations.

On May 31, 2019, the Company entered into a credit agreement (the "Credit Agreement") along with certain of its subsidiaries, as borrowers (the "Borrowers"), Bank of America, N.A., as administrative agent, swing line lender and an issuer of letters of credit, with other agents party thereto. The Credit Agreement consists of a revolving credit facility (the "Revolving Facility"), which is an \$800.0 million unsecured, multi-currency bank credit facility expiring on May 31, 2024. The Credit Agreement replaced the Company's prior five-year, \$700 million credit agreement, dated as of June 23, 2015, which was due to expire in June 2020. At December 31, 2020, there was no balance outstanding under the Revolving Facility and \$7.2 million of outstanding letters of credit, resulting in a net available borrowing capacity under the Revolving Facility of \$792.8 million.

Borrowings under the Credit Agreement bear interest at either an alternate base rate or adjusted LIBOR plus, in each case, an applicable margin. Such applicable margin is based on the lower of the Company's senior, unsecured, long-term debt rating or the Company's applicable leverage ratio and can range from 0.00% to 1.275%. Based on the Company's leverage ratio at December 31, 2020, the applicable margin was 1.00% resulting in a weighted average interest rate of 1.24% for the year ended December 31, 2020. Interest is payable (a) in the case of base rate loans, quarterly, and (b) in the case of LIBOR loans, on the last day of the applicable interest period selected, or every three months from the effective date of such interest period for interest periods exceeding three months. The Company may request increases in the lending commitments under the Credit Agreement, but the aggregate lending commitments pursuant to such increases may not exceed \$400.0 million.

The Company has the right, subject to certain conditions set forth in the Credit Agreement, to designate certain foreign subsidiaries of the Company as borrowers under the Credit Agreement. In connection with any such designation, the Company is required to guarantee the obligations of any such subsidiaries under the Credit Agreement.

On June 13, 2016, the Company completed a private placement of a \$100 million aggregate principal amount of 3.20% Senior Notes due June 13, 2023 and a \$100 million aggregate principal amount of 3.37% Senior Notes due June 13, 2025 (collectively, the "Notes") pursuant to a Note Purchase Agreement dated June 13, 2016 (the "Purchase Agreement"). Each series of Notes bears interest at the stated amount per annum, which is payable semi-annually in arrears on each June 13th and December 13th. The Notes are unsecured obligations of the Company and rank pari passu in right of payment with all of the Company's other unsecured, unsubordinated debt. The Company may at any time prepay all, or any portion of the Notes, provided that such portion is greater than 5% of the aggregate principal amount of the Notes then outstanding. In the event of a prepayment, the Company will pay an amount equal to par plus accrued interest plus a make-whole amount. In addition, the Company may repurchase the Notes by making an offer to all holders of the Notes, subject to certain conditions.

On December 9, 2011, the Company completed a public offering of \$350.0 million 4.2% senior notes due December 15, 2021 ("4.2% Senior Notes"). The net proceeds from the offering of \$346.2 million, after deducting a \$0.9 million issuance discount, a \$2.3 million underwriting commission and \$0.6 million of offering expenses, were used to repay \$306.0 million of outstanding bank indebtedness, with the balance used for general corporate purposes. The 4.2% Senior Notes bear interest at a rate of 4.2% per annum, which is payable semi-annually in arrears on each June 15th and December 15th. The Company may redeem all or a portion of the 4.2% Senior Notes at any time prior to maturity at the redemption prices set forth in the Note Indenture governing the 4.2% Senior Notes. The Company may issue additional debt from time to time pursuant to the Indenture. The Indenture and 4.2% Senior Notes contain covenants that limit the Company's ability to, among other things, incur certain liens securing indebtedness, engage in certain sale-leaseback transactions, and enter into certain consolidations, mergers, conveyances, transfers or leases of all or substantially all of the Company's assets. The terms of the 4.2% Senior Notes also require the Company to make an offer to repurchase the 4.2% Senior Notes upon a change of control triggering event (as defined in the Indenture) at a price equal to 101% of their principal amount plus accrued and unpaid interest, if any.

There are two key financial covenants that the Company is required to maintain in connection with the Revolving Facility and the Notes, a minimum interest coverage ratio of 3.0 to 1 and a maximum leverage ratio of 3.50 to 1. In the case of the leverage ratio, there is an option to increase the ratio to 4.00 for 12 months in connection with certain acquisitions. At December 31, 2020, the Company was in compliance with both of these financial covenants, as the Company's interest coverage ratio was 14.66 to 1 and the leverage ratio was 1.66 to 1. There are no financial covenants relating to the 3.0% Senior Notes or 4.20% Senior Notes; however, both are subject to cross-default provisions.

Share Repurchases

On March 17, 2020, the Company's Board of Directors approved an increase \$500.0 million in the authorized level of repurchases of common stock. This approval is in addition to the prior repurchase authorizations of the Board of Directors of

\$300.0 million on December 1, 2015 and \$400.0 million on November 6, 2014. Repurchases under the program will be funded with future cash flow generation or borrowings available under the Revolving Facility. During 2020, the Company repurchased a total of 876 thousand shares at a cost of \$110.3 million compared to 389 thousand shares repurchased at a cost of \$54.7 million in 2019. As of December 31, 2020, the amount of share repurchase authorization remaining was \$712.0 million.

Impact of COVID-19 Pandemic

Although the COVID-19 pandemic has impacted and may continue to impact the Company's operating cash flows, based on management's current expectations and currently available information, the Company believes current cash, cash from operations and cash available under the Revolving Facility will be sufficient to meet its operating cash requirements, planned capital expenditures, interest and principal payments on all borrowings, pension and postretirement funding requirements and quarterly dividend payments to holders of the Company's common stock for the foreseeable future. Additionally, in the event that suitable businesses are available for acquisition upon acceptable terms, the Company may obtain all or a portion of the financing for these acquisitions through the incurrence of additional borrowings. As of December 31, 2020, there was no balance outstanding under the Revolving Facility and \$7.2 million of outstanding letters of credit, resulting in a net available borrowing capacity under the Revolving Facility of \$792.8 million. The Company believes that additional borrowings through various financing alternatives remain available if required. However, the continuing impact of COVID-19 and its associated containment measures cannot be predicted with certainty and may increase our incremental borrowing costs and other costs of capital and otherwise adversely affect our business, results of operations, financial condition and liquidity, and we cannot assure that we will have access to external financing at times and on terms we consider acceptable, or at all, or that we will not experience other liquidity issues going forward.

Contractual Obligations

Our contractual obligations include pension and postretirement medical benefit plans, rental payments under operating leases, payments under capital leases and other long-term obligations arising in the ordinary course of business. There are no identifiable events or uncertainties, including the lowering of our credit rating, which would accelerate payment or maturity of any of these commitments or obligations.

The following table summarizes our significant contractual obligations and commercial commitments at December 31, 2020 and the future periods in which such obligations are expected to be settled in cash. In addition, the table reflects the timing of principal and interest payments on outstanding borrowings. Additional detail regarding these obligations is provided in the Notes to Consolidated Financial Statements in Part II, Item 8, "Financial Statements and Supplementary Data."

Contractual Obligations	Payments Due by Period				
	Total	Less Than 1 Year	1-3 Years	3-5 Years	More Than 5 Years
	(In thousands)				
Borrowings ⁽¹⁾	\$ 1,228,087	\$ 386,360	\$ 141,543	\$ 135,184	\$ 565,000
Lease obligations	130,785	19,717	30,676	22,822	57,570
Purchase obligations ⁽²⁾	169,187	154,824	13,819	293	251
Transition tax payable	14,208	—	3,612	10,596	—
Pension and post-retirement obligations	144,970	88,497	11,806	12,381	32,286
Total contractual obligations ⁽³⁾	<u>\$ 1,687,237</u>	<u>\$ 649,398</u>	<u>\$ 201,456</u>	<u>\$ 181,276</u>	<u>\$ 655,107</u>

(1) Includes interest payments based on contractual terms and current interest rates for variable debt.

(2) Consists primarily of inventory commitments.

(3) Comprises liabilities recorded on the balance sheet of \$1,272.6 million and obligations not recorded on the balance sheet of \$414.6 million.

Critical Accounting Policies and Estimates

We believe that the application of the following accounting policies, which are important to our financial position and results of operations, require significant judgments and estimates on the part of management. For a summary of all of our accounting policies, including the accounting policies discussed below, see Note 1 of the Notes to Consolidated Financial Statements in Part II, Item 8, "Financial Statements and Supplementary Data."

Revenue recognition — Revenue is recognized when control of products or services is transferred to our customers in an amount that reflects the consideration we expect to be entitled to in exchange for transferring those products or providing those services. A performance obligation is a promise in a contract to transfer a distinct product or service to the customer. A contract's transaction price is allocated to each performance obligation and recognized as revenue when, or as, the performance obligation is satisfied. Our performance obligations are satisfied at a point in time or over time as work progresses. Revenue from products and services transferred to customers at a point in time is recognized when obligations under the terms of the contract with our customer are satisfied. Generally, this occurs with the transfer of control of the asset, which is in line with shipping terms. Certain units recognize revenue over time because control transfers continuously to our customers. Revenue is recognized over time as work is performed based on the relationship between actual costs incurred to date for each contract and the total estimated costs for such contract at completion of the performance obligation (i.e. the cost-to-cost method) or is recognized ratably over the contract term. As a significant change in one or more of these estimates could affect the profitability of our contracts, we review and update our estimates regularly. Due to uncertainties inherent in the estimation process, it is reasonably possible that completion costs, including those arising from contract penalty provisions and final contract settlements, will be revised. Such revisions to costs and income are recognized in the period in which the revisions are determined as a cumulative catch-up adjustment. The impact of the adjustment on profit recorded to date on a contract is recognized in the period the adjustment is identified. If at any time the estimate of contract profitability indicates an anticipated loss on the contract, we recognize provisions for estimated losses on incomplete contracts in the period in which such losses are determined.

The Company records allowances for discounts and product returns at the time of sale as a reduction of revenue as such allowances can be reliably estimated based on historical experience and known trends. The Company also offers product warranties (primarily assurance-type) and accrues its estimated exposure for warranty claims at the time of sale based upon the length of the warranty period, warranty costs incurred and any other related information known to the Company.

Goodwill, long-lived and intangible assets — The Company evaluates the recoverability of certain noncurrent assets utilizing various estimation processes. An impairment of a long-lived asset exists when the asset's carrying value exceeds its fair value and is recorded when the carrying value is not recoverable through future operations. An impairment of an indefinite-lived intangible asset or goodwill exists when the carrying value of the reporting unit exceeds its fair value. Assessments of possible impairments of long-lived or indefinite-lived intangible assets or goodwill are made if an event occurs or circumstances change that would more likely than not reduce the fair value of a reporting unit below its carrying value. Additionally, testing for possible impairments of recorded indefinite-lived intangible asset balances and goodwill is performed annually. On October 31, or more frequently if triggering events occur, the Company compares the fair value of each reporting unit to the carrying value of each reporting unit to determine if a goodwill impairment exists. The amount and timing of impairment charges for these assets require the estimation of future cash flows to determine the fair value of the related assets.

The Company's business acquisitions result in recording goodwill and other intangible assets, which affect the amount of amortization expense and possible impairment expense that the Company will incur in future periods. The Company follows the guidance prescribed in ASC 350, *Goodwill and Other Intangible Assets*, to test goodwill and intangible assets for impairment. The Company determines the fair value of each reporting unit utilizing an income approach (discounted cash flows) weighted 50% and a market approach (consisting of a comparable public company multiples methodology) weighted 50%. To determine the reasonableness of the calculated fair values, the Company reviews the assumptions to ensure that neither the income approach nor the market approach yielded significantly different valuations.

The key assumptions are updated every year for each reporting unit for the income and market approaches used to determine the fair value. Various assumptions are utilized including forecasted operating results, annual operating plans, strategic plans, economic projections, anticipated future cash flows, the weighted average cost of capital, market data and market multiples. The assumptions that have the most significant effect on the fair value calculations are the weighted average cost of capital, market multiples, forecasted EBITDA and terminal growth rates. The 2020 and 2019 ranges for these three assumptions utilized by the Company are as follows:

Assumptions	2020 Range	2019 Range
Weighted average cost of capital	8.25% to 11.0%	8.5% to 10.5%
Market multiples	13.0x to 24.0x	11.0x to 18.0x
Terminal growth rates	3.0% to 3.5%	3.0% to 3.5%

In assessing the fair value of the reporting units, the Company considers both the market approach and the income approach. Under the market approach, the fair value of the reporting unit is determined by the respective trailing twelve month EBITDA and the forward looking 2021 EBITDA (50% each), based on multiples of comparable public companies. The market approach is dependent on a number of significant management assumptions including forecasted EBITDA and selected market multiples. Under the income approach, the fair value of the reporting unit is determined based on the present value of estimated future cash flows. The income approach is dependent on a number of significant management assumptions including estimates of operating results, capital expenditures, net working capital requirements, long-term growth rates and discount rates. Weighting was equally attributed to both the market and income approaches (50% each) in arriving at the fair value of the reporting units.

The Banjo trade name and the Akron Brass trade name are indefinite-lived intangible assets which are tested for impairment on an annual basis in accordance with ASC 350 or more frequently if events or changes in circumstances indicate that the assets might be impaired. The Company uses the relief-from-royalty method, a form of the income approach, to determine the fair value of these trade names. The relief-from-royalty method is dependent on a number of significant management assumptions, including estimates of revenues, royalty rates and discount rates.

Defined benefit retirement plans — The plan obligations and related assets of the defined benefit retirement plans are presented in Note 18 of the Notes to Consolidated Financial Statements in Part II, Item 8, “Financial Statements and Supplementary Data.” Level 1 assets are valued using unadjusted quoted prices for identical assets in active markets. Level 2 assets are valued using quoted prices or other observable inputs for similar assets. Level 3 assets are valued using unobservable inputs, but reflect the assumptions market participants would use in pricing the assets. Plan obligations and the annual pension expense are determined after consulting with actuaries on a number of key assumptions and on information provided by the Company. Key assumptions in the determination of the annual pension expense include the discount rate, the rate of salary increases and the estimated future return on plan assets. To the extent actual amounts differ from these assumptions and estimated amounts, results could be adversely affected.

The Society of Actuaries releases annual updates to mortality tables, which update life expectancy assumptions. IDEX adopts these annual updates and, in consideration of these tables, we modified the mortality assumptions used in determining our pension and post-retirement benefit obligations as of December 31, 2020, which will have a related impact on our annual benefit expense in future years. New mortality tables may result in additional funding requirements dependent upon the funded status of our plans. These expectations presume all other assumptions remain constant and there are no changes to applicable funding regulations.

Changes in the discount rate assumptions will impact the (gain) loss amortization and interest cost components of the projected benefit obligation (“PBO”), which in turn, may impact the Company’s funding decisions if the PBO exceeds plan assets. Each 100 basis point increase in the discount rate will cause a corresponding decrease in the PBO of approximately \$28 million based upon the December 31, 2020 data. Each 100 basis point decrease in the discount rate will cause a corresponding increase in the PBO of approximately \$34 million based upon the December 31, 2020 data.

Item 7A. Quantitative and Qualitative Disclosures About Market Risk.

The Company is subject to market risk associated with changes in foreign currency exchange rates and interest rates. The Company may, from time to time, enter into foreign currency forward contracts and interest rate swaps on its debt when it believes there is a financial advantage in doing so. A treasury risk management policy, adopted by the Board of Directors, describes the procedures and controls over derivative financial and commodity instruments, including foreign currency forward contracts and interest rate swaps. Under the policy, the Company does not use financial or commodity derivative instruments for trading purposes, and the use of these instruments is subject to strict approvals by senior officers. Typically, the use of derivative instruments is limited to foreign currency forward contracts and interest rate swaps on the Company’s outstanding long-term debt. As of December 31, 2020, the Company did not have any derivative instruments outstanding.

Foreign Currency Exchange Rates

The Company’s foreign currency exchange rate risk is limited principally to the Euro, Swiss Franc, British Pound, Canadian Dollar, Indian Rupee, Chinese Renminbi and Swedish Krona. The Company manages its foreign exchange risk principally through invoicing customers in the same currency as the source of products. The foreign currency transaction losses (gains) for the periods ending December 31, 2020, 2019 and 2018 were \$3.0 million, \$3.3 million and \$(2.4) million, respectively, and are reported within Other (income) expense - net on the Consolidated Statements of Operations. See Note 8 in Part II, Item 8, “Financial Statements and Supplementary Data,” for further discussion.

Interest Rate Fluctuations

The Company does not have significant interest rate exposure due to all of the \$1,050.2 million of debt outstanding as of December 31, 2020 being fixed rate debt.

Item 8. Financial Statements and Supplementary Data.

MANAGEMENT’S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING

Our management is responsible for establishing and maintaining adequate internal control over financial reporting. Internal control over financial reporting is a process to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with accounting principles generally accepted in the United States of America, and as defined in Exchange Act Rule 13a-15(f).

Internal control over financial reporting cannot provide absolute assurance of achieving financial reporting objectives because of its inherent limitations. Because of such limitations, there is a risk that material misstatements may not be prevented or detected on a timely basis by internal control over financial reporting.

Management has used the framework set forth in the report entitled “Internal Control — Integrated Framework” (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission to assess the effectiveness of the Company’s internal control over financial reporting. Based on that assessment, management has concluded that the Company’s internal control over financial reporting was effective as of December 31, 2020.

The effectiveness of the Company’s internal control over financial reporting as of December 31, 2020, has been audited by Deloitte & Touche LLP, an independent registered public accounting firm, as stated in their report which appears herein.

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the shareholders and the Board of Directors of IDEX Corporation

Opinion on Internal Control over Financial Reporting

We have audited the internal control over financial reporting of IDEX Corporation and subsidiaries (the “Company”) as of December 31, 2020, based on criteria established in *Internal Control - Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2020, based on criteria established in *Internal Control - Integrated Framework (2013)* issued by COSO.

We have also audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated financial statements as of and for the year ended December 31, 2020, of the Company and our report dated February 25, 2021, expressed an unqualified opinion on those financial statements.

Basis for Opinion

The Company’s management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management’s Report on Internal Control Over Financial Reporting. Our responsibility is to express an opinion on the Company’s internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

Definition and Limitations of Internal Control over Financial Reporting

A company’s internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company’s internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company’s assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ DELOITTE & TOUCHE LLP

Chicago, Illinois
February 25, 2021

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the shareholders and the Board of Directors of IDEX Corporation

Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of IDEX Corporation and subsidiaries (the "Company") as of December 31, 2020 and 2019, the related consolidated statements of operations, comprehensive income, equity, and cash flows, for each of the three years in the period ended December 31, 2020, and the related notes (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2020 and 2019, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2020, in conformity with accounting principles generally accepted in the United States of America.

We have also audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Company's internal control over financial reporting as of December 31, 2020, based on criteria established in *Internal Control - Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission and our report dated February 25, 2021, expressed an unqualified opinion on the Company's internal control over financial reporting.

Basis for Opinion

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

Critical Audit Matter

The critical audit matter communicated below is a matter arising from the current-period audit of the financial statements that was communicated or required to be communicated to the audit committee and that (1) relates to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

Revenue - Disaggregation of Revenue - Refer to Note 5 to the Financial Statements

Critical Audit Matter Description

The Company is a highly diversified business with a wide range of products and services that are offered in various markets throughout the world. The Company's business activities are carried out by numerous individual business units, which offer a unique set of products and include niche markets within specific geographic areas.

We identified revenue as a critical audit matter given the disaggregated nature of the Company's operations and business units generating revenue. This required extensive audit effort due to the volume of the underlying transactions and distinctiveness of each individual business unit. High levels of auditor judgment were necessary to determine the nature, timing, and extent of audit procedures and the level of disaggregation within the Company at which to perform such procedures, especially given limited market data for certain products or geographic areas.

How the Critical Audit Matter Was Addressed in the Audit

Our audit procedures related to the Company's revenue transactions included the following, among others:

- We tested internal controls within the relevant revenue business processes, including controls over revenue recognition and controls over the review of significant revenue transactions and operating results.
- For a sample of revenue transactions, we performed detail transaction testing by agreeing the amounts recorded to source documents and determined that revenue was recognized appropriately.
- For the revenue populations subject to detail testing, we tested the completeness of revenue by making selections from reciprocal populations (e.g., shipping logs) and determined whether the transaction was recorded as a sale in the general ledger.
- For revenue transactions not subject to detail transaction testing, we aggregated the revenue transactions at the reporting unit level and performed substantive analytical procedures. We developed independent expectations of revenue based on data derived from published industry indices and market and customer trends and compared our independent expectations to the revenue recorded by management.

/s/ DELOITTE & TOUCHE LLP

Chicago, Illinois
February 25, 2021

We have served as the Company's auditor since 1987.

IDEX CORPORATION
CONSOLIDATED BALANCE SHEETS

	As of December 31,	
	2020	2019
(In thousands except share and per share amounts)		
ASSETS		
Current assets		
Cash and cash equivalents	\$ 1,025,851	\$ 632,581
Receivables - net	293,146	298,186
Inventories	289,910	293,467
Other current assets	48,324	37,211
Total current assets	1,657,231	1,261,445
Property, plant and equipment - net	298,273	280,316
Goodwill	1,895,574	1,779,745
Intangible assets - net	415,563	388,031
Other noncurrent assets	147,757	104,375
Total assets	\$ 4,414,398	\$ 3,813,912
LIABILITIES AND EQUITY		
Current liabilities		
Trade accounts payable	\$ 151,993	\$ 138,463
Accrued expenses	208,828	180,290
Short-term borrowings	88	388
Dividends payable	38,149	38,736
Total current liabilities	399,058	357,877
Long-term borrowings	1,044,354	848,864
Deferred income taxes	163,863	146,574
Other noncurrent liabilities	266,797	197,368
Total liabilities	1,874,072	1,550,683
Commitments and contingencies (Note 11)		
Shareholders' equity		
Preferred stock:		
Authorized: 5,000,000 shares, \$.01 per share par value; Issued: none	—	—
Common stock:		
Authorized: 150,000,000 shares, \$.01 per share par value; Issued: 90,071,763 shares at December 31, 2020 and 89,948,374 shares at December 31, 2019	901	899
Additional paid-in capital	775,153	760,453
Retained earnings	2,841,546	2,615,131
Treasury stock at cost: 14,111,221 shares at December 31, 2020 and 13,860,340 shares at December 31, 2019	(1,063,872)	(985,909)
Accumulated other comprehensive income (loss)	(13,525)	(127,345)
Total shareholders' equity	2,540,203	2,263,229
Noncontrolling Interest	123	—
Total equity	2,540,326	2,263,229
Total liabilities and equity	\$ 4,414,398	\$ 3,813,912

See Notes to Consolidated Financial Statements.

IDEX CORPORATION
CONSOLIDATED STATEMENTS OF OPERATIONS

	For the Year Ended December 31,		
	2020	2019	2018
	(In thousands except per share amounts)		
Net sales	\$ 2,351,646	\$ 2,494,573	\$ 2,483,666
Cost of sales	1,324,222	1,369,539	1,365,771
Gross profit	1,027,424	1,125,034	1,117,895
Selling, general and administrative expenses	494,935	524,987	536,724
Restructuring expenses and asset impairments	11,776	21,044	12,083
Operating income	520,713	579,003	569,088
Other (income) expense - net	5,627	1,759	(3,985)
Interest expense	44,746	44,341	44,134
Income before income taxes	470,340	532,903	528,939
Provision for income taxes	92,562	107,382	118,366
Net income	<u>\$ 377,778</u>	<u>\$ 425,521</u>	<u>\$ 410,573</u>
Earnings per common share:			
Basic earnings per common share	<u>\$ 4.98</u>	<u>\$ 5.62</u>	<u>\$ 5.36</u>
Diluted earnings per common share	<u>\$ 4.94</u>	<u>\$ 5.56</u>	<u>\$ 5.29</u>
Share data:			
Basic weighted average common shares outstanding	75,741	75,594	76,412
Diluted weighted average common shares outstanding	76,400	76,454	77,563

See Notes to Consolidated Financial Statements.

IDEX CORPORATION
CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

	For the Year Ended December 31,		
	2020	2019	2018
	(In thousands)		
Net income	\$ 377,778	\$ 425,521	\$ 410,573
Other comprehensive income (loss):			
Reclassification adjustments for derivatives, net of tax	4,652	4,882	5,006
Pension and other postretirement adjustments, net of tax	1,385	(3,069)	9,825
Cumulative translation adjustment	107,783	67	(48,114)
Other comprehensive income (loss)	113,820	1,880	(33,283)
Comprehensive income	\$ 491,598	\$ 427,401	\$ 377,290

See Notes to Consolidated Financial Statements.

IDEX CORPORATION
CONSOLIDATED STATEMENTS OF EQUITY

	Accumulated Other Comprehensive Income (Loss)								Total Equity
	Common Stock and Additional Paid-In Capital	Retained Earnings	Cumulative Translation Adjustment	Retirement Benefits Adjustments	Cumulative Unrealized Gain (Loss) on Derivatives	Treasury Stock	Total Shareholders' Equity	Noncontrolling Interest	
(In thousands except share and per share amounts)									
Balance, December 31, 2017	\$ 717,808	\$ 2,057,915	\$ (46,306)	\$ (29,154)	\$ (14,047)	\$ (799,674)	\$ 1,886,542	\$ —	\$ 1,886,542
Net income	—	410,573	—	—	—	—	410,573	—	410,573
Adjustment for adoption of ASU 2016-16	—	(645)	—	—	—	—	(645)	—	(645)
Adjustment for adoption of ASU 2018-02	—	6,435	—	(3,411)	(3,024)	—	—	—	—
Cumulative translation adjustment	—	—	(48,114)	—	—	—	(48,114)	—	(48,114)
Net change in retirement obligations (net of tax of \$3,076)	—	—	—	9,825	—	—	9,825	—	9,825
Net change on derivatives designated as cash flow hedges (net of tax of \$1,469)	—	—	—	—	5,006	—	5,006	—	5,006
Issuance of 583,385 shares of common stock from issuance of unvested shares, performance share units and exercise of stock options (net of tax of \$4,267)	—	—	—	—	—	27,701	27,701	—	27,701
Repurchase of 1,273,961 shares of common stock	—	—	—	—	—	(173,926)	(173,926)	—	(173,926)
Share-based compensation	21,432	—	—	—	—	—	21,432	—	21,432
Shares surrendered for tax withholding	—	—	—	—	—	(11,555)	(11,555)	—	(11,555)
Cash dividends declared - \$1.72 per common share outstanding	—	(132,199)	—	—	—	—	(132,199)	—	(132,199)
Balance, December 31, 2018	\$ 739,240	\$ 2,342,079	\$ (94,420)	\$ (22,740)	\$ (12,065)	\$ (957,454)	\$ 1,994,640	\$ —	\$ 1,994,640
Net income	—	425,521	—	—	—	—	425,521	—	425,521
Adjustment for adoption of ASU 2016-02	—	28	—	—	—	—	28	—	28
Cumulative translation adjustment	—	—	67	—	—	—	67	—	67
Net change in retirement obligations (net of tax of \$1,553)	—	—	—	(3,069)	—	—	(3,069)	—	(3,069)
Net change on derivatives designated as cash flow hedges (net of tax of \$1,445)	—	—	—	—	4,882	—	4,882	—	4,882
Issuance of 696,133 shares of common stock from issuance of unvested shares, performance share units and exercise of stock options (net of tax of \$5,493)	—	—	—	—	—	38,809	38,809	—	38,809
Repurchase of 388,953 shares of common stock	—	—	—	—	—	(54,668)	(54,668)	—	(54,668)
Share-based compensation	22,112	—	—	—	—	—	22,112	—	22,112
Shares surrendered for tax withholding	—	—	—	—	—	(12,596)	(12,596)	—	(12,596)
Cash dividends declared - \$2.00 per common share outstanding	—	(152,497)	—	—	—	—	(152,497)	—	(152,497)
Balance, December 31, 2019	\$ 761,352	\$ 2,615,131	\$ (94,353)	\$ (25,809)	\$ (7,183)	\$ (985,909)	\$ 2,263,229	\$ —	\$ 2,263,229
Net income	—	377,778	—	—	—	—	377,778	—	377,778
Cumulative translation adjustment	—	—	107,783	—	—	—	107,783	—	107,783
Net change in retirement obligations (net of tax of \$53)	—	—	—	1,385	—	—	1,385	—	1,385
Net change on derivatives designated as cash flow hedges (net of tax of \$1,369)	—	—	—	—	4,652	—	4,652	—	4,652
Issuance of 688,563 shares of common stock from issuance of unvested shares, performance share units and exercise of stock options (net of tax of \$4,967)	—	—	—	—	—	44,587	44,587	—	44,587
Repurchase of 876,423 shares of common stock	—	—	—	—	—	(110,342)	(110,342)	—	(110,342)
Share-based compensation	14,702	—	—	—	—	—	14,702	—	14,702
Shares surrendered for tax withholding	—	—	—	—	—	(12,208)	(12,208)	—	(12,208)
Cash dividends declared - \$2.00 per common share outstanding	—	(151,363)	—	—	—	—	(151,363)	—	(151,363)
Contributions received from joint venture partner	—	—	—	—	—	—	—	123	123
Balance, December 31, 2020	\$ 776,054	\$ 2,841,546	\$ 13,430	\$ (24,424)	\$ (2,531)	\$ (1,063,872)	\$ 2,540,203	\$ 123	\$ 2,540,326

See Notes to Consolidated Financial Statements.

IDEX CORPORATION
CONSOLIDATED STATEMENTS OF CASH FLOWS

	For the Year Ended December 31,		
	2020	2019	2018
	(In thousands)		
Cash flows from operating activities			
Net income	\$ 377,778	\$ 425,521	\$ 410,573
Adjustments to reconcile net income to net cash provided by operating activities:			
(Gain) loss on sale of fixed assets - net	(868)	156	946
Asset impairments	3,087	10,155	—
Depreciation and amortization	41,651	39,543	39,049
Amortization of intangible assets	41,844	37,333	38,495
Amortization of debt issuance expenses	1,716	1,355	1,332
Share-based compensation expense	19,375	27,669	24,754
Deferred income taxes	8,238	6,625	(4,345)
Non-cash interest expense associated with forward starting swaps	6,021	6,327	6,475
Changes in (net of the effect from acquisitions):			
Receivables	20,873	22,338	(23,419)
Inventories	36,523	(3,322)	(23,031)
Other current assets	(10,276)	(2,361)	25,162
Trade accounts payable	2,702	(9,115)	(1,220)
Deferred revenue	38,967	8,680	(3,247)
Accrued expenses	(15,326)	(46,664)	7,125
Other - net	(3,032)	3,822	(19,304)
Net cash flows provided by operating activities	569,273	528,062	479,345
Cash flows from investing activities			
Purchases of property, plant and equipment	(51,545)	(50,912)	(56,089)
Purchase of intellectual property	—	—	(4,000)
Acquisition of businesses, net of cash acquired	(123,133)	(87,180)	(20,205)
Proceeds from disposal of fixed assets	2,287	962	363
Contributions received from joint venture partner	120	—	—
Other - net	(306)	115	(1,500)
Net cash flows used in investing activities	(172,577)	(137,015)	(81,431)
Cash flows from financing activities			
Borrowings under revolving credit facilities	150,000	—	—
Proceeds from issuance of 3.0% Senior Notes	499,100	—	—
Payment of 4.5% Senior Notes	(300,000)	—	—
Payments under revolving credit facilities	(150,000)	—	(11,284)
Payments under other long-term borrowings	(396)	(50,057)	—
Payment of make-whole redemption premium	(6,756)	—	—
Debt issuance costs	(4,749)	—	—
Dividends paid	(151,838)	(147,208)	(127,478)
Proceeds from stock option exercises	44,587	38,809	27,639
Repurchases of common stock	(110,342)	(54,668)	(173,926)
Shares surrendered for tax withholding	(12,208)	(12,596)	(11,555)
Settlement of foreign exchange contracts	—	—	6,593
Other - net	—	(1,865)	—
Net cash flows used in financing activities	(42,602)	(227,585)	(290,011)
Effect of exchange rate changes on cash and cash equivalents	39,176	2,712	(17,446)
Net increase in cash	393,270	166,174	90,457
Cash and cash equivalents at beginning of year	632,581	466,407	375,950
Cash and cash equivalents at end of year	\$ 1,025,851	\$ 632,581	\$ 466,407
Supplemental cash flow information			
Cash paid for:			
Interest	\$ 35,152	\$ 36,683	\$ 36,327
Income taxes - net	87,193	109,032	90,733
Significant non-cash activities:			
Contingent consideration for acquisition	—	—	3,375
Debt acquired with acquisition of business	—	51,130	—
Capital expenditures for construction of new leased facility	—	—	11,616

See Notes to Consolidated Financial Statements.

IDEX CORPORATION
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

1. Significant Accounting Policies

Business

IDEX is an applied solutions company specializing in the manufacture of fluid and metering technologies, health and science technologies and fire, safety and other diversified products built to customers' specifications. IDEX's products are sold in niche markets across a wide range of industries throughout the world. The Company's products include industrial pumps, provers, compressors, flow meters, injectors, valves and related controls for use in a wide variety of process applications; precision fluidics solutions, including pumps, valves, degassing equipment, corrective tubing, fittings and complex manifolds, optical filters and specialty medical equipment and devices for use in life science applications; precision-engineered equipment for dispensing, metering and mixing paints; and engineered products for industrial and commercial markets, including fire and rescue, transportation equipment, oil and gas, electronics and communications. These activities are grouped into three reportable segments: Fluid & Metering Technologies, Health & Science Technologies and Fire & Safety/Diversified Products.

Principles of Consolidation

The consolidated financial statements include the Company and its subsidiaries. All intercompany transactions and accounts have been eliminated.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America ("U.S. GAAP") requires management to make estimates and judgments that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities and reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates. The principal areas of estimation reflected in the financial statements are revenue recognition, sales returns and allowances, allowance for doubtful accounts, inventory valuation, recoverability of long-lived assets, valuation of goodwill and intangible assets, income taxes, product warranties, contingencies and litigation, insurance-related items, defined benefit retirement plans and purchase accounting related to acquisitions.

Revenue Recognition

Revenue is recognized when control of products or services is transferred to our customers in an amount that reflects the consideration we expect to be entitled to in exchange for transferring those products or providing those services. A performance obligation is a promise in a contract to transfer a distinct product or service to the customer. A contract's transaction price is allocated to each performance obligation and recognized as revenue when, or as, the performance obligation is satisfied. Our performance obligations are satisfied at a point in time or over time as work progresses. Revenue from products and services transferred to customers at a point in time is recognized when obligations under the terms of the contract with our customer are satisfied. Generally, this occurs with the transfer of control of the asset, which is in line with shipping terms. Certain units recognize revenue over time because control transfers continuously to our customers. Revenue is recognized over time as work is performed based on the relationship between actual costs incurred to date for each contract and the total estimated costs for such contract at completion of the performance obligation (i.e. the cost-to-cost method) or ratably over the contract term. As a significant change in one or more of these estimates could affect the profitability of our contracts, we review and update our estimates regularly. Due to uncertainties inherent in the estimation process, it is reasonably possible that completion costs, including those arising from contract penalty provisions and final contract settlements, will be revised. Such revisions to costs and income are recognized in the period in which the revisions are determined as a cumulative catch-up adjustment. The impact of the adjustment on profit recorded to date on a contract is recognized in the period the adjustment is identified. If at any time the estimate of contract profitability indicates an anticipated loss on the contract, we recognize provisions for estimated losses on incomplete contracts in the period in which such losses are determined.

The Company records allowances for discounts and product returns at the time of sale as a reduction of revenue as such allowances can be reliably estimated based on historical experience and known trends. The Company also offers product warranties (primarily assurance-type) and accrues its estimated exposure for warranty claims at the time of sale based upon the length of the warranty period, warranty costs incurred and any other related information known to the Company.

Shipping and Handling Costs

Shipping and handling costs are included in Cost of sales and are recognized as a period expense during the period in which they are incurred.

Advertising Costs

Advertising costs of \$9.9 million, \$15.7 million and \$17.0 million for 2020, 2019 and 2018, respectively, are expensed as incurred within Selling, general and administrative expenses.

Cash and Cash Equivalents

The Company considers all highly liquid instruments purchased with an original maturity of 3 months or less to be cash and cash equivalents.

Accounts Receivable and Allowance for Doubtful Accounts

Accounts receivable are recorded at face amount less an allowance for doubtful accounts. The Company maintains an allowance for doubtful accounts for expected losses as a result of customers' inability to make required payments. Management evaluates the aging of the accounts receivable balances, the financial condition of its customers, historical trends and the time outstanding of specific balances to estimate the amount of accounts receivable that may not be collected in the future and records the appropriate provision.

Inventories

The Company states inventories at the lower of cost or net realizable value. Cost, which includes material, labor and factory overhead, is determined on a first in, first out basis. We make adjustments to reduce the cost of inventory to its net realizable value, if required, for estimated excess, obsolete or impaired balances. Factors influencing these adjustments include changes in market demand, product life cycle and engineering changes.

Impairment of Long-Lived Assets

A long-lived asset is reviewed for impairment if an event occurs or circumstances change that would more likely than not reduce the fair value of a long-lived asset below its carrying value, as measured by comparing its net book value to the projected undiscounted future cash flows generated by its use. A long-lived asset impairment exists when the carrying value of the asset exceeds its fair value. The amount and timing of the impairment charge for this asset requires the estimation of future cash flows to determine the fair value of the asset. An impaired asset is recorded at its estimated fair value based on a discounted cash flow analysis.

In the fourth quarter of 2020, the Company consolidated certain facilities within the Fluid & Metering Technologies ("FMT") segment, which resulted in an impairment charge of \$2.5 million, consisting of \$1.6 million related to property, plant and equipment which was not relocated to the new location and \$0.9 million related to a building right-of-use asset that was exited early. The Company also relocated its corporate office, which resulted in an impairment charge of \$0.6 million, consisting of \$0.2 million related to property, plant and equipment which was not relocated to the new location and \$0.4 million related to a building right-of-use asset that was exited early. These charges were recorded as Restructuring expenses and asset impairments in the Consolidated Statements of Operations.

In the second quarter of 2019, the Company began to evaluate strategic alternatives for one of its businesses in the Health & Science Technologies ("HST") segment. Prior to making a final decision on the options that were presented for this business, the business was informed in the third quarter of 2019 of the loss of its largest customer. As a result, the Company accelerated its restructuring activities for this business and a decision was made to wind down the business over time. This event required an interim impairment test be performed on the long-lived tangible and intangible assets of the business, which resulted in an impairment charge of \$9.7 million, consisting of \$6.1 million related to a customer relationships intangible asset, \$1.0 million related to an unpatented technology intangible asset, \$2.0 million related to property, plant and equipment and \$0.6 million related to a building right-of-use asset. In the fourth quarter of 2019, the Company completed the consolidation of one of its facilities in the HST segment into the Optics Center of Excellence in Rochester, New York, which also resulted in an impairment charge of \$0.4 million related to a building right-of-use asset. These charges were recorded as Restructuring expenses and asset impairments in the Consolidated Statements of Operations.

In 2018, the Company concluded that there were no long-lived assets with a fair value that was less than the carrying value. See Note 15 for further discussion on restructuring activities.

Goodwill and Indefinite-Lived Intangible Assets

The Company reviews the carrying value of goodwill and indefinite-lived intangible assets annually as of October 31, or if an event occurs or circumstances change that would more likely than not reduce the fair value of a reporting unit below its carrying value. The Company evaluates the recoverability of these assets based on the estimated fair value of each of the 13 reporting units and the indefinite-lived intangible assets. See Note 6 for further discussion on goodwill and intangible assets.

Borrowing Expenses

Expenses incurred in securing and issuing debt are capitalized and included as a reduction of Long-term borrowings. These amounts are amortized over the life of the related borrowing and the related amortization is included in Interest expense.

Earnings per Common Share

Earnings per common share (“EPS”) is computed by dividing net income by the weighted average number of shares of common stock (basic) plus common stock equivalents outstanding (diluted) during the year. Common stock equivalents consist of stock options, which have been included in the calculation of weighted average shares outstanding using the treasury stock method, restricted stock and performance share units.

Accounting Standards Codification (“ASC”) 260, *Earnings per Share*, concludes that all outstanding unvested share-based payment awards that contain rights to nonforfeitable dividends participate in undistributed earnings with common shareholders. If awards are considered participating securities, the Company is required to apply the two-class method of computing basic and diluted earnings per share. The Company has determined that its outstanding shares of restricted stock are participating securities. Accordingly, EPS was computed using the two-class method prescribed by ASC 260.

Basic weighted average shares outstanding reconciles to diluted weighted average shares outstanding as follows:

	2020	2019	2018
	(In thousands)		
Basic weighted average common shares outstanding	75,741	75,594	76,412
Dilutive effect of stock options, restricted stock and performance share units	659	860	1,151
Diluted weighted average common shares outstanding	<u>76,400</u>	<u>76,454</u>	<u>77,563</u>

Options to purchase approximately 0.3 million shares of common stock in each of 2020, 2019 and 2018, respectively, were not included in the computation of diluted EPS because the effect of their inclusion would have been antidilutive.

Share-Based Compensation

The Company accounts for share-based payments in accordance with ASC 718, *Compensation-Stock Compensation*. Accordingly, the Company expenses the fair value of awards made under its share-based compensation plans. That cost is recognized in the consolidated financial statements over the requisite service period of the grants. See Note 16 for further discussion on share-based compensation.

Depreciation and Amortization

Property and equipment are stated at cost, with depreciation and amortization provided using the straight-line method over the following estimated useful lives:

Land improvements	8 to 12 years
Buildings and improvements	8 to 30 years
Machinery, equipment and other	3 to 12 years
Office and transportation equipment	2 to 10 years

Certain identifiable intangible assets are amortized over their estimated useful lives using the straight-line method. The estimated useful lives used in the computation of amortization of identifiable intangible assets are as follows:

Patents	5 to 15 years
Trade names	5 to 20 years
Customer relationships	9 to 20 years
Unpatented technology and other	3 to 20 years

Research and Development Expenditures

Costs associated with engineering activities, including research and development, are expensed in the period incurred and are included in Cost of sales.

Total engineering expenses, which include research and development as well as application and support engineering, were \$82.3 million, \$92.4 million and \$84.9 million in 2020, 2019 and 2018, respectively. Research and development expenses, which include costs associated with developing new products and major improvements to existing products, were \$48.2 million, \$56.4 million and \$48.0 million in 2020, 2019 and 2018, respectively.

Foreign Currency Translation and Transaction

The functional currency of substantially all operations outside the United States is the respective local currency. Accordingly, those foreign currency balance sheet accounts have been translated using the exchange rates in effect as of the balance sheet date. Statement of Operations amounts have been translated using the average monthly exchange rates for the year. Translation adjustments from year to year have been reported in Accumulated other comprehensive income (loss) in the Consolidated Balance Sheets. The foreign currency transaction losses (gains) for the periods ending December 31, 2020, 2019 and 2018 were \$3.0 million, \$3.3 million and \$(2.4) million, respectively, and are reported within Other (income) expense - net on the Consolidated Statements of Operations. See Note 8 for further discussion.

Income Taxes

Income tax expense includes U.S., state, local and international income taxes. Deferred tax assets and liabilities are recognized for the tax consequences of temporary differences between the financial reporting and the tax bases of existing assets and liabilities and for loss carryforwards. The tax rate used to determine the deferred tax assets and liabilities is the enacted tax rate for the year and the manner in which the differences are expected to reverse. Valuation allowances are recorded to reduce deferred tax assets to the amount that will more likely than not be realized.

Refer to Note 13 for further discussion on income taxes.

Concentration of Credit Risk

The Company is not dependent on a single customer as its largest customer accounted for less than 2% of net sales for all years presented.

Recently Adopted Accounting Standards

In February 2018, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2018-02, *Reclassification of Certain Tax Effects from Accumulated Other Comprehensive Income*, which allows an entity to reclassify the stranded tax effects in accumulated other comprehensive income (loss) to retained earnings in the statement of equity. The Company early adopted this standard on a retrospective basis on January 1, 2018. The adoption resulted in an increase of \$6.4 million to Retained earnings and a corresponding change of \$6.4 million to Accumulated other comprehensive income (loss) at January 1, 2018.

In January 2017, the FASB issued ASU 2017-01, *Clarifying the Definition of a Business*, which clarifies the definition of a business and assists entities with evaluating whether transactions should be accounted for as acquisitions or disposals of assets or businesses. Under this guidance, when substantially all of the fair value of gross assets acquired is concentrated in a single asset or a group of similar assets, the assets acquired would not represent a business. In addition, in order to be considered a business, an acquisition would have to include at a minimum an input and a substantive process that together significantly

contribute to the ability to create an output. The amended guidance also narrows the definition of outputs by more closely aligning it with how outputs are described in the FASB guidance for revenue recognition. The Company adopted this standard on January 1, 2018 and accounted for the purchase of the intellectual property assets from Phantom Controls utilizing this guidance. See Note 6 for further information.

In January 2017, the FASB issued ASU 2017-04, *Simplifying the Test for Goodwill Impairment*, which simplifies the two-step goodwill impairment test by eliminating the second step of the test. Under this guidance, an entity will apply a one-step quantitative test and record the amount of goodwill impairment as the excess of a reporting unit's carrying value over its fair value, not to exceed the total amount of goodwill allocated to the reporting unit. This guidance does not amend the optional qualitative assessment of goodwill impairment. The Company adopted this standard on January 1, 2020. The adoption of this standard did not have a material impact on our consolidated financial statements. See Note 6 for further information.

In October 2016, the FASB issued ASU 2016-16, *Intra-Entity Transfers of Assets Other Than Inventory*, which amends ASC 740, *Income Taxes*. This ASU requires that the income tax consequences of an intra-entity asset transfer other than inventory are recognized at the time of the transfer. An entity will continue to recognize the income tax consequences of an intercompany transfer of inventory when the inventory is sold to a third party. The Company adopted this standard on a modified retrospective basis on January 1, 2018. The adoption resulted in a decrease of \$7.3 million to Other current assets, a decrease of \$6.7 million to Deferred income taxes and a decrease of \$0.6 million to Retained earnings at January 1, 2018.

In August 2016, the FASB issued ASU 2016-15, *Classification of Certain Cash Receipts and Cash Payments* (a consensus of the FASB Emerging Issues Task Force). This ASU addresses the following eight specific cash flow issues: debt prepayment or debt extinguishment costs; settlement of zero-coupon debt instruments or other debt instruments with coupon interest rates that are insignificant in relation to the effective interest rate of the borrowing; contingent consideration payments made after a business combination; proceeds from the settlement of insurance claims; proceeds from the settlement of corporate-owned life insurance policies (including bank-owned life insurance policies); distributions received from equity method investees; beneficial interests in securitization transactions; and separately identifiable cash flows and application of the predominance principle. The Company adopted this standard on January 1, 2018. The adoption of this standard did not have a material impact on our consolidated financial statements.

In June 2016, the FASB issued ASU 2016-13, *Financial Instruments - Credit losses (Topic 326): Measurement of Credit Losses on Financial Instruments* and in November 2018 issued a subsequent amendment, ASU 2018-19, *Codification Improvements to Topic 326, Financial Instruments - Credit Losses*. ASU 2016-13 significantly changes how entities will measure credit losses for most financial assets and certain other instruments that are not measured at fair value through net income. ASU 2016-13 replaces the prior "incurred loss" approach with an "expected loss" model for instruments measured at amortized cost. ASU 2018-19 affects loans, debt securities, trade receivables, net investments in leases, off-balance sheet credit exposures, reinsurance receivables and any other financial assets not excluded from the scope of this amendment that represent the contractual right to receive cash. ASU 2016-13 and ASU 2018-19 should be applied on either a prospective transition or modified-retrospective approach depending on the subtopic. The Company adopted this standard on January 1, 2020 using the prospective transition approach. The adoption of this standard did not have a material impact on our consolidated financial statements.

In February 2016, the FASB issued ASU 2016-02, *Leases*, which sets out the principles for the recognition, measurement, presentation and disclosure of leases for both parties to a contract (i.e. lessees and lessors). This standard introduced a new lessee model that requires most leases to be recorded on the balance sheet and eliminates the required use of bright line tests for determining lease classification from U.S. GAAP. In July 2018, the FASB issued ASU 2018-10, *Codification Improvements to Topic 842, Leases* and ASU 2018-11, *Leases (Topic 842): Targeted Improvements*, which clarified ASU 2016-02 and had the same effective date as the original standard. ASU 2018-11 included an option to use the effective date of ASU 2016-02 as the date of initial application of transition as well as an option not to restate comparative periods in transition. In March 2019, the FASB issued ASU 2019-01, *Leases (Topic 842): Codification Improvements*, which also clarified ASU 2016-02 and was effective for fiscal years beginning after December 15, 2019 and interim periods within those fiscal years.

The Company adopted this standard on January 1, 2019 using the optional transition method provided by the FASB in ASU 2018-11. As we did not restate comparative periods, the adoption had no impact on our previously reported results. We elected to use the practical expedient that allowed us not to reassess: (1) whether any expired or existing contracts are or contain leases, (2) the lease classification for any expired or existing leases and (3) initial direct costs for any expired or existing leases and the practical expedient that allows us to treat the lease and non-lease components as a single lease component for all asset classes. We also elected to account for short-term leases (i.e. leases with a term of one year or less) in accordance with ASC 842-20-25-2 (i.e. expensed over the term and not recorded on the balance sheet). The adoption of this standard impacted our consolidated balance sheet due to the recognition of right of use assets and lease liabilities. Upon adoption, we recognized right

of use assets and lease liabilities of approximately \$68 million that reflected the present value of future lease payments. The adoption of this standard did not have a material impact on our consolidated results of operations or cash flows. See Note 10 for further information.

In May 2014, the FASB issued ASU 2014-09, *Revenue from Contracts with Customers*, which replaces numerous requirements in U.S. GAAP, including industry-specific requirements, and provides companies with a new five-step model for recognizing revenue from contracts with customers. Under ASU 2014-09, an entity should recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. This ASU also requires disclosures sufficient to enable users to understand the nature, amount, timing, and uncertainty of revenue and cash flows arising from contracts with customers, including qualitative and quantitative disclosures about contracts with customers, significant judgments and changes in judgments, and assets recognized from the costs to obtain or fulfill a contract. The FASB has also issued the following standards which clarify ASU 2014-09 and have the same effective date as the original standard: ASU 2016-08, *Revenue from Contracts with Customers: Principal versus Agent Considerations (Reporting Revenue Gross versus Net)*; ASU 2016-10, *Revenue from Contracts with Customers: Identifying Performance Obligations and Licensing*; ASU 2016-12, *Revenue from Contracts with Customers: Narrow-Scope Improvements and Practical Expedients*; and ASU 2016-20, *Technical Corrections and Improvements to Topic 606, Revenue from Contracts with Customers*.

In 2016, we established an implementation team and analyzed the impact of the standard by surveying business units and performing extensive contract reviews to identify potential differences that may result from applying the requirements of the new standard. The contract reviews generally supported the recognition of revenue at a point in time, which was consistent with the revenue recognition model used by most of our business units. As a result, revenue recognition was unchanged under the new standard. For our business units that previously recognized revenue under a percentage of completion model, revenue recognition was also unchanged as the contract reviews supported the recognition of revenue over time. The Company implemented the appropriate changes to its processes, systems and controls to comply with the new guidance. The Company adopted this standard on January 1, 2018 using the modified retrospective approach applied to contracts that were not completed as of January 1, 2018. The adoption of this standard did not have an impact on our consolidated financial statements, except to provide additional disclosures. The Company elected the following practical expedients: significant financing component, sales tax presentation, contract costs, shipping and handling activities and disclosures. See Note 5 for further details on revenue.

Recently Issued Accounting Standards

In December 2019, the FASB issued ASU 2019-12, *Simplifying the Accounting for Income Taxes*, which eliminates the need to analyze whether the following apply in a given period (1) exception to the incremental approach for intraperiod tax allocation (2) exceptions to accounting for basis differences when there are ownership changes in foreign investments and (3) exceptions in interim period income tax accounting for year-to-date losses that exceed anticipated losses. The ASU is also designed to improve the application of income tax-related guidance and simplify GAAP for (1) franchise taxes that are partially based on income, (2) transactions with a government that result in a step-up in the tax basis of goodwill, (3) separate financial statements of legal entities that are not subject to tax, and (4) enacted changes in tax laws in interim periods. ASU 2019-12 is effective for annual periods beginning after December 15, 2020, and interim periods therein. The adoption of this standard will not have a material impact on our consolidated financial statements.

2. Acquisitions and Divestitures

All of the Company's acquisitions of businesses have been accounted for under ASC 805, *Business Combinations*. Accordingly, the accounts of the acquired companies, after adjustments to reflect the fair values assigned to assets and liabilities, have been included in the Company's consolidated financial statements from their respective dates of acquisition. The results of operations of the acquired companies have been included in the Company's consolidated results since the date of each acquisition. Supplemental pro forma information has not been provided as the acquisitions did not have a material impact on the Company's consolidated results of operations individually or in the aggregate.

2020 Acquisitions

On November 23, 2020, the Company acquired Qualtek Manufacturing, Inc. (“Qualtek”), a manufacturer of high quality specialty metal components and parts by providing vertically integrated tool and die, metal stamping and metal finishing services. Headquartered in Colorado Springs, CO, Qualtek operates in our BAND-IT platform within the Fire & Safety/Diversified Products segment. Qualtek was acquired for cash consideration of \$1.9 million. The entire purchase price was funded with cash on hand. Goodwill recognized as part of this transaction was \$1.1 million. The goodwill recorded for the acquisition reflects the strategic fit, revenue and earnings growth potential of this business. The goodwill is deductible for tax purposes.

The Company made an allocation of the purchase price for the Qualtek acquisition as of the acquisition date based on its understanding of the fair value of the acquired assets. These nonrecurring fair value measurements are classified as Level 3 in the fair value hierarchy. If the Company obtains additional information about these assets, and learns more about the newly acquired business, we will refine the estimates of fair value and more accurately allocate the purchase price. Only items identified as of the acquisition date are considered for subsequent adjustment. The Company will make appropriate adjustments to the purchase price allocation prior to the completion of the measurement period, if required.

On February 28, 2020, the Company acquired the stock of Flow Management Devices, LLC (“Flow MD”), a privately held provider of flow measurement systems that ensure custody transfer accuracy in the oil and gas industry. Flow MD engineers and manufactures small volume provers. Headquartered in Phoenix, AZ, with operations in Houston, TX and Pittsburgh, PA, Flow MD operates in our Energy platform within the Fluid & Metering Technologies segment. Flow MD was acquired for cash consideration of \$121.2 million. The entire purchase price was funded with cash on hand. Goodwill and intangible assets recognized as part of this transaction were \$60.4 million and \$53.0 million, respectively. The goodwill is deductible for tax purposes.

The Company made a preliminary allocation of the purchase price for the Flow MD acquisition as of the acquisition date based on its understanding of the fair value of the acquired assets and assumed liabilities. These nonrecurring fair value measurements are classified as Level 3 in the fair value hierarchy. If the Company obtains additional information about these assets and liabilities, and learns more about the newly acquired business, we will refine the estimates of fair value and more accurately allocate the purchase price. Only items identified as of the acquisition date are considered for subsequent adjustment. The Company will make required adjustments to the purchase price allocation prior to the completion of the measurement period, if necessary.

The preliminary allocation of the purchase price to the assets acquired and liabilities assumed, based on their estimated fair values at the acquisition date, is as follows:

(In thousands)	Total
Current assets, net of cash acquired	\$ 32,858
Property, plant and equipment	4,166
Goodwill	60,431
Intangible assets	53,000
Other noncurrent assets	1,344
Total assets acquired	151,799
Current liabilities	(32,291)
Deferred income taxes	2,054
Other noncurrent liabilities	(329)
Net assets acquired	\$ 121,233

Acquired intangible assets consist of trade names, customer relationships and unpatented technology. The goodwill recorded for the acquisition reflects the strategic fit, revenue and earnings growth potential of this business.

The acquired intangible assets and weighted average amortization periods are as follows:

(In thousands, except weighted average life)	Total	Weighted Average Life
Trade names	\$ 6,000	15
Customer relationships	31,500	10
Unpatented technology	15,500	20
Acquired intangible assets	<u>\$ 53,000</u>	

The Company incurred \$4.3 million of acquisition-related transaction costs in 2020. These costs were recorded in Selling, general and administrative expenses and were related to completed transactions, pending transactions and potential transactions, including transactions that ultimately were not completed. The Company also incurred a \$0.1 million fair value inventory step-up charge associated with the completed 2020 acquisition of Qualtek and a \$4.1 million fair value inventory step-up charge associated with the completed 2020 acquisition of Flow MD in the year ended December 31, 2020. These charges were recorded in Cost of sales.

2019 Acquisition

On July 18, 2019, the Company acquired the stock of Velcora Holding AB (“Velcora”) and its operating subsidiaries, Roplan and Steridose. Roplan is a global manufacturer of custom mechanical and shaft seals for a variety of end markets including food and beverage, marine, chemical, wastewater and water treatment. Steridose develops engineered hygienic mixers and valves for the global biopharmaceutical industry. Both companies are headquartered in Sweden but also have operations in China, the United Kingdom and the United States. Roplan and Steridose operate in our Health & Science Technologies segment. Velcora was acquired for cash consideration of \$87.2 million and the assumption of \$51.1 million of debt. The entire purchase price was funded with cash on hand. Goodwill and intangible assets recognized as part of this transaction were \$86.6 million and \$48.2 million, respectively. The goodwill is not deductible for tax purposes.

The Company finalized the allocation of the purchase price for the Velcora acquisition as of the acquisition date based on its understanding of the fair value of the acquired assets and assumed liabilities. These nonrecurring fair value measurements are classified as Level 3 in the fair value hierarchy.

The final allocation of the purchase price to the assets acquired and liabilities assumed, based on their estimated fair values at the acquisition date, is as follows:

(In thousands)	Total
Current assets, net of cash acquired	\$ 20,248
Property, plant and equipment	1,656
Goodwill	86,613
Intangible assets	48,183
Other noncurrent assets	788
Total assets acquired	<u>157,488</u>
Current liabilities	(7,630)
Long-term borrowings	(51,130)
Deferred income taxes	(11,094)
Other noncurrent liabilities	(454)
Net assets acquired	<u>\$ 87,180</u>

Acquired intangible assets consist of trade names, customer relationships and unpatented technology. The goodwill recorded for the acquisitions reflects the strategic fit, revenue and earnings growth potential of these businesses.

The acquired intangible assets and weighted average amortization periods are as follows:

(In thousands, except weighted average life)	Total	Weighted Average Life
Trade names	\$ 7,089	15
Customer relationships	34,677	12
Unpatented technology	6,417	9
Acquired intangible assets	<u>\$ 48,183</u>	

On September 3, 2019, the Company settled the debt assumed in the Velcora acquisition and incurred a loss on early retirement of \$0.7 million which was recorded in Other (income) expense - net in the Consolidated Statements of Operations for the year ended December 31, 2019.

The Company incurred \$1.7 million of acquisition-related transaction costs in 2019. These costs were recorded in Selling, general and administrative expenses and were related to completed transactions, pending transactions and potential transactions, including transactions that ultimately were not completed. The Company also incurred a \$3.3 million fair value inventory step-up charge associated with the completed 2019 acquisition in the year ended December 31, 2019. This charge was recorded in Cost of sales.

2018 Acquisition

On July 23, 2018, the Company acquired Finger Lakes Instrumentation (“FLI”), a technology leader in the design, development and production of low-noise cooled CCD and high speed, high-sensitivity Scientific CMOS cameras for the astronomy and life science markets. Headquartered in Lima, NY, FLI operates in our Health & Science Technologies segment. FLI was acquired for an aggregate purchase price of \$23.6 million, consisting of \$20.2 million in cash and contingent consideration valued at \$3.4 million as of the opening balance sheet date. The contingent consideration was based on the achievement of financial objectives during the 24-month period following the close of the transaction. The entire purchase price was funded with cash on hand. Goodwill and intangible assets recognized as part of this transaction were \$12.4 million and \$7.9 million, respectively. Acquired intangible assets consist of trade names, customer relationships and unpatented technology. The goodwill recorded for the acquisition reflects the strategic fit, revenue and earnings growth potential of this business. The goodwill is deductible for tax purposes.

In the third quarter of 2019, the Company finalized its allocation of the purchase price for the FLI acquisition based on its understanding of the fair value of the acquired assets and assumed liabilities. These nonrecurring fair value measurements are classified as Level 3 in the fair value hierarchy. In March 2020, the Company and the seller reached an agreement to settle the contingent consideration associated with the acquisition of FLI for \$3.0 million, which was paid in April 2020.

The Company incurred \$3.0 million of acquisition-related transaction costs in 2018. These costs were recorded in Selling, general and administrative expenses and were related to completed transactions, pending transactions and potential transactions, including transactions that ultimately were not completed.

Divestitures

The Company periodically reviews its operations for businesses which may no longer be aligned with its strategic objectives and focuses on core business and customers. Any resulting gain or loss recognized due to divestitures is recorded within Loss (gain) on sale of businesses - net within Selling, general and administrative expenses.

On December 28, 2020, the Company completed the sale of its Avery Hardoll product line for \$0.5 million in cash, resulting in a pre-tax loss on the sale of \$0.4 million. The Company recorded \$0.3 million of income tax benefit associated with this transaction during the year ended December 31, 2020. The results of Avery Hardoll were reported within the Fluid & Metering Technologies segment and generated \$1.2 million of revenues in 2020 through the date of sale. The Company concluded that this divestiture did not meet the criteria for reporting discontinued operations. There were no divestitures that took place during the years ended December 31, 2019 and 2018.

3. Joint Venture

On May 12, 2020, a subsidiary of IDEX entered into a joint venture agreement with a third party to form a limited liability company (the “Joint Venture”) that will manufacture and sell high performance elastomer seals for the oil and gas industry to customers within the Kingdom of Saudi Arabia as well as export these high performance elastomer seals outside of the Kingdom of Saudi Arabia. The Joint Venture will be headquartered in Damman, Saudi Arabia and will operate in our Sealing Solutions platform within the Health & Science Technologies segment. In the fourth quarter of 2020, the Company contributed \$147 thousand and owns 55% of the share capital while the third party partner contributed \$120 thousand and owns 45% of the share capital. As of December 31, 2020, the Joint Venture had not yet begun its operations. Since we control the entity, we have consolidated the Joint Venture and recorded a noncontrolling interest in our consolidated financial statements.

4. Balance Sheet Components

	December 31,	
	2020	2019
(In thousands)		
RECEIVABLES		
Customers	\$ 288,288	\$ 298,118
Other	10,949	6,415
Total	299,237	304,533
Less allowance for doubtful accounts	6,091	6,347
Total receivables - net	<u>\$ 293,146</u>	<u>\$ 298,186</u>
INVENTORIES		
Raw materials and components parts	\$ 173,248	\$ 182,382
Work in process	29,436	28,761
Finished goods	87,226	82,324
Total inventories	<u>\$ 289,910</u>	<u>\$ 293,467</u>
PROPERTY, PLANT AND EQUIPMENT		
Land and improvements	\$ 33,705	\$ 32,240
Buildings and improvements	192,428	187,301
Machinery, equipment and other	430,423	397,498
Office and transportation equipment	95,549	95,759
Construction in progress	28,704	24,546
Total	780,809	737,344
Less accumulated depreciation and amortization	482,536	457,028
Total property, plant and equipment - net	<u>\$ 298,273</u>	<u>\$ 280,316</u>
ACCRUED EXPENSES		
Payroll and related items	\$ 75,238	\$ 77,556
Management incentive compensation	15,763	14,408
Income taxes payable	13,453	9,905
Insurance	11,115	8,240
Warranty	7,394	5,581
Deferred revenue	28,374	17,633
Lease liability	16,721	15,235
Restructuring	3,868	6,110
Liability for uncertain tax positions	—	890
Accrued interest	3,592	1,735
Contingent consideration for acquisition	—	3,375
Other	33,310	19,622
Total accrued expenses	<u>\$ 208,828</u>	<u>\$ 180,290</u>
OTHER NONCURRENT LIABILITIES		
Pension and retiree medical obligations	\$ 99,417	\$ 87,478
Transition tax payable	14,208	11,292
Liability for uncertain tax positions	1,071	3,008
Deferred revenue	30,354	2,129
Lease liability	94,250	69,928
Other	27,497	23,533
Total other noncurrent liabilities	<u>\$ 266,797</u>	<u>\$ 197,368</u>

The valuation and qualifying account activity for the years ended December 31, 2020, 2019 and 2018 is as follows:

	2020	2019	2018
	(In thousands)		
ALLOWANCE FOR DOUBTFUL ACCOUNTS ⁽¹⁾			
Beginning balance January 1	\$ 6,347	\$ 6,709	\$ 7,764
Charged to costs and expenses, net of recoveries	34	1,181	290
Utilization	(525)	(1,443)	(1,396)
Currency translation and other	235	(100)	51
Ending balance December 31	<u>\$ 6,091</u>	<u>\$ 6,347</u>	<u>\$ 6,709</u>

⁽¹⁾ Includes provision for doubtful accounts.

5. Revenue

IDEX is an applied solutions company specializing in the manufacture of fluid and metering technologies, health and science technologies and fire, safety and other diversified products built to customers' specifications. The Company's products include industrial pumps, provers, compressors, flow meters, injectors, valves and related controls for use in a wide variety of process applications; precision fluidics solutions, including pumps, valves, degassing equipment, corrective tubing, fittings and complex manifolds, optical filters and specialty medical equipment and devices for use in life science applications; precision-engineered equipment for dispensing, metering and mixing paints; and engineered products for industrial and commercial markets, including fire and rescue, transportation equipment, oil and gas, electronics and communications.

Revenue is recognized when control of products or services is transferred to our customers in an amount that reflects the consideration we expect to be entitled to in exchange for transferring those products or providing those services. We account for a contract when it has approval and commitment from both parties, the rights of the parties are identified, payment terms are identified, the contract has commercial substance and collectability of the consideration is probable. We determine the appropriate revenue recognition for our contracts with customers by analyzing the type, terms and conditions of each contract or arrangement with a customer.

Disaggregation of Revenue

We have a comprehensive offering of products, including technologies, built to customers' specifications that are sold in niche markets throughout the world. We disaggregate our revenue from contracts with customers by reporting unit and geographical region for each of our segments as we believe it best depicts how the amount, nature, timing and uncertainty of our revenue and cash flows are affected by economic factors. Revenue was attributed to geographical region based on the location of the customer. The following tables present our revenue disaggregated by reporting unit and geographical region.

Revenue by reporting unit for the years ended December 31, 2020, 2019 and 2018 was as follows:

	For the Year Ended December 31,		
	2020	2019	2018
	(In thousands)		
Energy	\$ 199,980	\$ 164,825	\$ 163,996
Valves	107,833	118,333	113,136
Water	236,080	250,589	251,020
Pumps	265,281	331,098	324,222
Agriculture	87,130	92,183	99,178
Intersegment elimination	(830)	(505)	(277)
Fluid & Metering Technologies	895,474	956,523	951,275
Scientific Fluidics & Optics	415,827	434,623	417,859
Sealing Solutions	207,623	200,495	200,316
Gast	122,875	133,471	126,787
Micropump	29,637	32,216	36,827
Material Processing Technologies	120,000	113,641	114,630
Intersegment elimination	(2,609)	(1,823)	(449)
Health & Science Technologies	893,353	912,623	895,970
Fire & Safety	376,320	403,949	396,926
BAND-IT	88,065	106,624	105,785
Dispensing	98,466	116,197	134,317
Intersegment elimination	(32)	(1,343)	(607)
Fire & Safety/Diversified Products	562,819	625,427	636,421
Total net sales	<u>\$ 2,351,646</u>	<u>\$ 2,494,573</u>	<u>\$ 2,483,666</u>

Revenue by geographical region for the years ended December 31, 2020, 2019 and 2018 was as follows:

	For the Year Ended December 31, 2020			
	FMT	HST	FSDP	IDEX
	(In thousands)			
U.S.	\$ 505,757	\$ 387,652	\$ 269,899	\$ 1,163,308
North America, excluding U.S.	52,822	21,319	23,202	97,343
Europe	174,945	249,793	149,180	573,918
Asia	109,089	221,139	94,223	424,451
Other ⁽¹⁾	53,691	16,059	26,347	96,097
Intersegment elimination	(830)	(2,609)	(32)	(3,471)
Total net sales	\$ 895,474	\$ 893,353	\$ 562,819	\$ 2,351,646

	For the Year Ended December 31, 2019			
	FMT	HST	FSDP	IDEX
	(In thousands)			
U.S.	\$ 541,994	\$ 411,680	\$ 303,579	\$ 1,257,253
North America, excluding U.S.	58,256	21,735	26,328	106,319
Europe	170,698	263,523	159,184	593,405
Asia	125,031	201,765	103,379	430,175
Other ⁽¹⁾	61,049	15,743	34,300	111,092
Intersegment elimination	(505)	(1,823)	(1,343)	(3,671)
Total net sales	\$ 956,523	\$ 912,623	\$ 625,427	\$ 2,494,573

	For the Year Ended December 31, 2018			
	FMT	HST	FSDP	IDEX
	(In thousands)			
U.S.	\$ 540,697	\$ 392,140	\$ 297,717	\$ 1,230,554
North America, excluding U.S.	57,917	18,770	28,779	105,466
Europe	172,630	278,634	164,307	615,571
Asia	119,822	189,342	111,169	420,333
Other ⁽¹⁾	60,486	17,533	35,056	113,075
Intersegment elimination	(277)	(449)	(607)	(1,333)
Total net sales	\$ 951,275	\$ 895,970	\$ 636,421	\$ 2,483,666

⁽¹⁾ Other includes: South America, Middle East, Australia and Africa.

Contract Balances

The timing of revenue recognition, billings and cash collections can result in customer receivables, advance payments or billings in excess of revenue recognized. Customer receivables include both amounts billed and currently due from customers as well as unbilled amounts (contract assets) and are included in Receivables - net on our Consolidated Balance Sheets. Amounts are billed in accordance with contractual terms or as work progresses. Unbilled amounts arise when the timing of billing differs from the timing of revenue recognized, such as when contract provisions require specific milestones to be met before a customer can be billed. Unbilled amounts primarily relate to performance obligations satisfied over time when the cost-to-cost method is utilized and the revenue recognized exceeds the amount billed to the customer as there is not yet a right to invoice in accordance with contractual terms. Unbilled amounts are recorded as a contract asset when the revenue associated with the contract is recognized prior to billing and derecognized when billed in accordance with the terms of the contract. Customer receivables are recorded at face amount less an allowance for doubtful accounts. The Company maintains an

allowance for doubtful accounts for expected losses as a result of customers' inability to make required payments. Management evaluates the aging of customer receivable balances, the financial condition of its customers, historical trends and the time outstanding of specific balances to estimate the amount of customer receivables that may not be collected in the future and records the appropriate provision.

The composition of Customer receivables was as follows:

	December 31, 2020	December 31, 2019
	(In thousands)	
Billed receivables	\$ 273,536	\$ 286,196
Unbilled receivables	14,752	11,922
Total customer receivables	\$ 288,288	\$ 298,118

Advance payments, deposits and billings in excess of revenue recognized are included in Deferred revenue which is classified as current or noncurrent based on the timing of when we expect to recognize the revenue. The current portion is included in Accrued expenses and the noncurrent portion is included in Other noncurrent liabilities on our Consolidated Balance Sheets. Advance payments and deposits represent contract liabilities and are recorded when customers remit contractual cash payments in advance of us satisfying performance obligations under contractual arrangements, including those with performance obligations satisfied over time. We generally receive advance payments from customers related to maintenance services which we recognize ratably over the service term. We also receive deposits from customers on certain orders on which we will recognize as revenue at a point in time in the future. Billings in excess of revenue recognized represent contract liabilities and primarily relate to performance obligations satisfied over time when the cost-to-cost method is utilized and revenue cannot yet be recognized as the Company has not completed the corresponding performance obligation. Contract liabilities are derecognized when revenue is recognized and the performance obligation is satisfied.

The composition of Deferred revenue was as follows:

	December 31, 2020	December 31, 2019
	(In thousands)	
Deferred revenue - current	\$ 28,374	\$ 17,633
Deferred revenue - noncurrent	30,354	2,129
Total deferred revenue	\$ 58,728	\$ 19,762

Performance Obligations

A performance obligation is a promise in a contract to transfer a distinct product or service to the customer. A contract's transaction price is allocated to each performance obligation and recognized as revenue when, or as, the performance obligation is satisfied. For our contracts that require complex design, manufacturing and installation activities, certain performance obligations may not be separately identifiable from other performance obligations in the contract and, therefore, not distinct. As a result, the entire contract is accounted for as a single performance obligation. For our contracts that include distinct products or services that are substantially the same and have the same pattern of transfer to the customer over time, they are recognized as a series of distinct products or services. Certain of our contracts have multiple performance obligations for which we allocate the transaction price to each performance obligation using an estimate of the standalone selling price of each distinct product or service in the contract. For product sales, each product sold to a customer generally represents a distinct performance obligation. In such cases, the observable standalone sales are used to determine the standalone selling price. In certain cases, we may be required to estimate standalone selling price using the expected cost plus margin approach, under which we forecast our expected costs of satisfying a performance obligation and then add an appropriate margin for that distinct product or service.

Our performance obligations are satisfied at a point in time or over time as work progresses. Performance obligations are supported by contracts with customers that provide a framework for the nature of the distinct product or service or bundle of products and services. We define service revenue as revenue from activities that are not associated with the design, development or manufacture of a product or the delivery of a software license.

Revenue from products and services transferred to customers at a point in time approximated 95% of total revenues in each of the years ended December 31, 2020, 2019 and 2018. Revenue on these contracts is recognized when obligations under the

terms of the contract with our customer are satisfied. Generally, this occurs with the transfer of control of the asset, which is in line with shipping terms.

Revenue from products and services transferred to customers over time approximated 5% of total revenues in each of the years ended December 31, 2020, 2019 and 2018. Revenue earned by certain business units within the Water, Energy, Material Processing Technologies (“MPT”) and Dispensing reporting units is recognized over time because control transfers continuously to our customers. When accounting for over-time contracts, we use an input measure to determine the extent of progress towards completion of the performance obligation. For certain business units within the Water, Energy and MPT reporting units, revenue is recognized over time as work is performed based on the relationship between actual costs incurred to date for each contract and the total estimated costs for such contract at completion of the performance obligation (i.e. the cost-to-cost method). We believe this measure of progress best depicts the transfer of control to the customer which occurs as we incur costs on our contracts. Incurred cost represents work performed, which corresponds with the transfer of control to the customer. Contract costs include labor, material and overhead. Contract estimates are based on various assumptions to project the outcome of future events. These assumptions include labor productivity and availability; the complexity of the work to be performed; the cost and availability of materials; the performance of subcontractors; and the availability and timing of funding from the customer. Revenues, including estimated fees or profits, are recorded proportionally as costs are incurred. For certain business units within the Energy and Dispensing reporting units, revenue is recognized ratably over the contract term.

As a significant change in one or more of these estimates could affect the profitability of our contracts, we review and update our estimates regularly. Due to uncertainties inherent in the estimation process, it is reasonably possible that completion costs, including those arising from contract penalty provisions and final contract settlements, will be revised. Such revisions to costs and income are recognized in the period in which the revisions are determined as a cumulative catch-up adjustment. The impact of the adjustment on profit recorded to date on a contract is recognized in the period the adjustment is identified. Revenue and profit in future periods of contract performance are recognized using the adjusted estimate. If at any time the estimate of contract profitability indicates an anticipated loss on the contract, we recognize provisions for estimated losses on incomplete contracts in the period in which such losses are determined.

The Company records allowances for discounts and product returns at the time of sale as a reduction of revenue as such allowances can be reliably estimated based on historical experience and known trends. The Company also offers product warranties (primarily assurance-type) and accrues its estimated exposure for warranty claims at the time of sale based upon the length of the warranty period, warranty costs incurred and any other related information known to the Company.

6. Goodwill and Intangible Assets

The changes in the carrying amount of goodwill for 2020 and 2019, by reportable business segment, were as follows:

	FMT	HST	FSDP	Total
	(In thousands)			
Goodwill	\$ 601,762	\$ 895,177	\$ 401,647	\$ 1,898,586
Accumulated goodwill impairment losses	(20,721)	(149,820)	(30,090)	(200,631)
Balance at January 1, 2019	581,041	745,357	371,557	1,697,955
Foreign currency translation	(2,116)	476	(2,509)	(4,149)
Acquisitions	—	85,939	—	85,939
Balance at December 31, 2019	578,925	831,772	369,048	1,779,745
Foreign currency translation	10,365	29,058	13,125	52,548
Acquisitions	60,431	—	1,052	61,483
Acquisition adjustments	—	1,798	—	1,798
Balance at December 31, 2020	<u>\$ 649,721</u>	<u>\$ 862,628</u>	<u>\$ 383,225</u>	<u>\$ 1,895,574</u>

ASC 350, *Goodwill and Other Intangible Assets*, requires that goodwill be tested for impairment at the reporting unit level on an annual basis and between annual tests if an event occurs or circumstances change that would more likely than not reduce the fair value of the reporting unit below its carrying value. In 2020 and 2019, there were no events or circumstances that would have required an interim impairment test. Goodwill represents the purchase price in excess of the net amount assigned to assets acquired and liabilities assumed.

Goodwill and other acquired intangible assets with indefinite lives were tested for impairment as of October 31, 2020, the Company's annual impairment test date. In assessing the fair value of the reporting units, the Company considers both the market approach and the income approach. Under the market approach, the fair value of the reporting unit is determined by the respective trailing 12 month EBITDA and the forward looking 2021 EBITDA (50% each), based on multiples of comparable public companies. The market approach is dependent on a number of significant management assumptions including forecasted EBITDA and selected market multiples. Under the income approach, the fair value of the reporting unit is determined based on the present value of estimated future cash flows. The income approach is dependent on a number of significant management assumptions including estimates of operating results, capital expenditures, net working capital requirements, long-term growth rates and discount rates. Weighting was equally attributed to both the market and the income approaches (50% each) in arriving at the fair value of the reporting units.

The following table provides the gross carrying value and accumulated amortization for each major class of intangible asset at December 31, 2020 and 2019:

	At December 31, 2020			Weighted Average Life	At December 31, 2019		
	Gross Carrying Amount	Accumulated Amortization	Net		Gross Carrying Amount	Accumulated Amortization	Net
	(In thousands)				(In thousands)		
Amortized intangible assets:							
Patents	\$ 3,030	\$ (1,740)	\$ 1,290	10	\$ 6,678	\$ (5,276)	\$ 1,402
Trade names	130,793	(72,685)	58,108	16	123,062	(64,938)	58,124
Customer relationships	318,350	(120,294)	198,056	13	275,575	(96,252)	179,323
Unpatented technology	122,287	(55,131)	67,156	13	101,721	(43,561)	58,160
Other	700	(647)	53	10	700	(578)	122
Total amortized intangible assets	575,160	(250,497)	324,663		507,736	(210,605)	297,131
Indefinite-lived intangible assets:							
Banjo trade name	62,100	—	62,100		62,100	—	62,100
Akron Brass trade name	28,800	—	28,800		28,800	—	28,800
Total intangible assets	\$ 666,060	\$ (250,497)	\$ 415,563		\$ 598,636	\$ (210,605)	\$ 388,031

On June 22, 2018, the Company acquired the intellectual property assets of Phantom Controls ("Phantom") for cash consideration of \$4.0 million. The operational capabilities and innovative pump operation of Phantom's technology complements our existing water-flow expertise of Hale, Akron Brass and Class 1 to improve fire ground safety and reduce operational complexity during mission critical response. This acquisition of intellectual property assets did not meet the definition of a business under ASU 2017-01 and thus the Company recorded the entire purchase price to the Unpatented technology class of intangible assets on the Consolidated Balance Sheets.

The Banjo trade name and the Akron Brass trade name are indefinite-lived intangible assets which are tested for impairment on an annual basis in accordance with ASC 350 or more frequently if events or changes in circumstances indicate that the assets might be impaired. The Company uses the relief-from-royalty method, a form of the income approach, to determine the fair value of these trade names. The relief-from-royalty method is dependent on a number of significant management assumptions, including estimates of revenues, royalty rates and discount rates.

In 2020, the COVID-19 outbreak resulted in government lockdown mandates globally that forced us to both reduce hours and temporarily close some facilities at the beginning of the pandemic. These events required that an interim impairment test be performed on the definite-lived intangible assets at one of the Company's businesses. The impairment test did not result in an impairment charge.

In the second quarter of 2019, the Company began to evaluate strategic alternatives for one of its businesses in the HST segment. Prior to making a final decision on the options that were presented for this business, the business was informed in the third quarter of 2019 of the loss of its largest customer. As a result, the Company accelerated its restructuring activities for this business and a decision was made to wind down the business over time. This event required an interim impairment test be performed on certain of its definite-lived intangible assets, which resulted in an impairment charge of \$7.1 million, consisting

of \$6.1 million related to customer relationships and \$1.0 million related to unpatented technology. This charge was recorded as Restructuring expenses and asset impairments in the Consolidated Statements of Operations. See Note 15 for further discussion.

Amortization of intangible assets was \$41.8 million, \$37.3 million and \$38.5 million in 2020, 2019 and 2018, respectively. Based on the intangible asset balances as of December 31, 2020, amortization expense is expected to approximate \$42.9 million in 2021, \$42.0 million in 2022, \$38.6 million in 2023, \$36.8 million in 2024 and \$35.1 million in 2025.

7. Borrowings

Borrowings at December 31, 2020 and 2019 consisted of the following:

	2020	2019
	(In thousands)	
Revolving Facility	\$ —	\$ —
4.50% Senior Notes, due December 2020	—	300,000
4.20% Senior Notes, due December 2021	350,000	350,000
3.20% Senior Notes, due June 2023	100,000	100,000
3.37% Senior Notes, due June 2025	100,000	100,000
3.00% Senior Notes, due May 2030	500,000	—
Other borrowings	215	622
Total borrowings	1,050,215	850,622
Less current portion	88	388
Less deferred debt issuance costs	4,824	983
Less unaccreted debt discount	949	387
Long-term borrowings	<u>\$ 1,044,354</u>	<u>\$ 848,864</u>

On April 29, 2020, the Company completed a public offering of \$500.0 million in aggregate principal amount of 3.0% Senior Notes due 2030 (the “3.0% Senior Notes”). The net proceeds from the offering were approximately \$494.4 million, after deducting the issuance discount of \$0.9 million, the underwriting commission of \$3.3 million and offering expenses of \$1.4 million. The net proceeds were used to redeem and repay the \$300.0 million aggregate principal amount outstanding of its 4.5% Senior Notes due December 15, 2020 and the related accrued interest and a make-whole redemption premium, with the balance used for general corporate purposes. The 3.0% Senior Notes bear interest at a rate of 3.0% per annum, which is payable semi-annually in arrears on May 1 and November 1 of each year. The 3.0% Senior Notes mature on May 1, 2030.

The Company may redeem all or a portion of the 3.0% Senior Notes at any time prior to maturity at the redemption prices set forth in the Note Indenture (“Indenture”) governing the 3.0% Senior Notes. The Indenture and 3.0% Notes contain covenants that limit the Company’s ability to, among other things, incur certain liens securing indebtedness, engage in certain sale-leaseback transactions and enter into certain consolidations, mergers, conveyances, transfers or leases of all or substantially all of the Company’s assets. The terms of the 3.0% Senior Notes also require the Company to make an offer to repurchase the 3.0% Senior Notes upon a change of control triggering event (as defined in the Indenture) at a price equal to 101% of the principal amount plus accrued and unpaid interest, if any. The Indenture also provides for customary events of default, which include nonpayment, breach of covenants in the Indenture and certain events of bankruptcy and insolvency. Generally, if an event of default occurs, the Trustee or holders of at least 25% of the then outstanding 3.0% Senior Notes may declare the principal amount of all of the 3.0% Senior Notes to be due and payable immediately.

On April 27, 2020, the Company provided notice of its election to redeem early, on May 27, 2020, the \$300.0 million aggregate principal amount outstanding of its 4.5% Senior Notes at a redemption price of \$300.0 million plus a make-whole redemption premium of \$6.8 million and accrued and unpaid interest of \$6.1 million using proceeds from the Company’s 3.0% Senior Notes. In addition, the Company recognized the remaining \$1.4 million of the pre-tax amount included in Accumulated other comprehensive income (loss) in shareholders’ equity related to the interest rate exchange agreement associated with the 4.5% Senior Notes and wrote off the remaining \$0.1 million of deferred issuance costs and \$0.1 million of the debt issuance discount associated with the 4.5% Senior Notes for a total loss on early debt redemption of \$8.4 million which was recorded within Other (income) expense - net in the Consolidated Statements of Operations.

On May 31, 2019, the Company entered into a credit agreement (the “Credit Agreement”) along with certain of its subsidiaries, as borrowers (the “Borrowers”), Bank of America, N.A., as administrative agent, swing line lender and an issuer

of letters of credit, with other agents party thereto. The Credit Agreement replaced the Company's prior five-year \$700 million credit agreement, dated as of June 23, 2015, which was due to expire in June 2020.

The Credit Agreement consists of a revolving credit facility (the "Revolving Facility") in an aggregate principal amount of \$800 million, with a final maturity date of May 31, 2024. The maturity date may be extended under certain conditions for an additional one-year term. Up to \$75 million of the Revolving Facility is available for the issuance of letters of credit. Additionally, up to \$50 million of the Revolving Facility is available to the Company for swing line loans, available on a same-day basis.

Proceeds of the Revolving Facility are available for use by the Borrowers for acquisitions, working capital and other general corporate purposes, including refinancing existing debt of the Company and its subsidiaries. The Company may request increases in the lending commitments under the Credit Agreement, but the aggregate lending commitments pursuant to such increases may not exceed \$400 million. The Company has the right, subject to certain conditions set forth in the Credit Agreement, to designate certain foreign subsidiaries of the Company as borrowers under the Credit Agreement. In connection with any such designation, the Company is required to guarantee the obligations of any such subsidiaries under the Credit Agreement.

Borrowings under the Credit Agreement bear interest at either an alternate base rate or adjusted LIBOR plus, in each case, an applicable margin. Such applicable margin is based on the lower of the Company's senior, unsecured, long-term debt rating or the Company's applicable leverage ratio and can range from 0.00% to 1.275%. Based on the Company's leverage ratio at December 31, 2020, the applicable margin was 1.00%, resulting in a weighted average interest rate of 1.24% for the year ended December 31, 2020. Interest is payable (a) in the case of base rate loans, quarterly, and (b) in the case of LIBOR loans, on the last day of the applicable interest period selected, or every three months from the effective date of such interest period for interest periods exceeding three months.

The Credit Agreement requires payment to the lenders of a facility fee based upon the amount of the lenders' commitments under the credit facility from time to time, determined based on the lower of the Company's senior, unsecured long-term debt rating or the Company's applicable leverage ratio. Voluntary prepayments of any loans and voluntary reductions of the unutilized portion of the commitments under the Credit Agreement are permissible without penalty, subject to break funding payments and minimum notice and minimum reduction amount requirements.

The Credit Agreement contains customary affirmative and negative covenants for senior unsecured credit agreements. There are two key financial covenants that the Company is required to maintain in connection with the Credit Agreement and the Notes, a minimum interest coverage ratio of 3.0 to 1 and a maximum leverage ratio of 3.50 to 1, which is the ratio of the Company's consolidated total debt to its consolidated earnings before interest, income taxes, depreciation and amortization ("EBITDA"), both of which are tested quarterly and in the case of the leverage ratio under the Revolving Facility, there is an option to increase the ratio to 4.00 for 12 months in connection with certain acquisitions. At December 31, 2020, the Company was in compliance with each financial covenant under Credit Agreement and the Notes. There are no financial covenants relating to the 3.0% Senior Notes or 4.2% Senior Notes; however, both are subject to cross-default provisions. The negative covenants include restrictions on the Company's ability to grant liens, enter into transactions resulting in fundamental changes (such as mergers or sales of all or substantially all of the assets of the Company), make certain subsidiary dividends or distributions, engage in materially different lines of businesses and allow subsidiaries to incur certain additional debt.

The Credit Agreement also contains customary events of default (subject to grace periods, as appropriate).

At December 31, 2020, there was no balance outstanding under the Revolving Facility and \$7.2 million of outstanding letters of credit, resulting in a net available borrowing capacity under the Revolving Facility at December 31, 2020 of approximately \$792.8 million.

On June 13, 2016, the Company completed a private placement of a \$100 million aggregate principal amount of 3.20% Senior Notes due June 13, 2023 and a \$100 million aggregate principal amount of 3.37% Senior Notes due June 13, 2025 (collectively, the "Notes") pursuant to a Note Purchase Agreement dated June 13, 2016 (the "Purchase Agreement"). Each series of Notes bears interest at the stated amount per annum, which is payable semi-annually in arrears on each June 13th and December 13th. The Notes are unsecured obligations of the Company and rank pari passu in right of payment with all of the Company's other unsecured, unsubordinated debt. The Company may at any time prepay all, or any portion of the Notes, provided that such portion is greater than 5% of the aggregate principal amount of the Notes then outstanding. In the event of a prepayment, the Company will pay an amount equal to par plus accrued interest plus a make-whole amount. In addition, the Company may repurchase the Notes by making an offer to all holders of the Notes, subject to certain conditions.

The Purchase Agreement contains certain covenants that restrict the Company's ability to, among other things, transfer or sell assets, incur indebtedness, create liens, transact with affiliates and engage in certain mergers or consolidations or other change of control transactions. In addition, the Company must comply with a leverage ratio and interest coverage ratio, as further described below, and the Purchase Agreement also limits the outstanding principal amount of priority debt that may be incurred by the Company to 15% of consolidated assets. The Purchase Agreement provides for customary events of default. In the case of an event of default arising from specified events of bankruptcy or insolvency, all of the outstanding Notes will become due and payable immediately without further action or notice. In the case of payment event of default, any holder of the Notes affected thereby may declare all of the Notes held by it due and payable immediately. In the case of any other event of default, a majority of the holders of the Notes may declare all of the Notes to be due and payable immediately.

On December 9, 2011, the Company completed a public offering of \$350.0 million 4.2% senior notes due December 15, 2021 ("4.2% Senior Notes"). The net proceeds from the offering of \$346.2 million, after deducting a \$0.9 million issuance discount, a \$2.3 million underwriting commission and \$0.6 million of offering expenses, were used to repay \$306.0 million of outstanding bank indebtedness, with the balance used for general corporate purposes. The 4.2% Senior Notes bear interest at a rate of 4.2% per annum, which is payable semi-annually in arrears on each June 15th and December 15th. The Company may redeem all or a portion of the 4.2% Senior Notes at any time prior to maturity at the redemption prices set forth in the Note Indenture governing the 4.2% Senior Notes. The Company may issue additional debt from time to time pursuant to the Indenture. The Indenture and 4.2% Senior Notes contain covenants that limit the Company's ability to, among other things, incur certain liens securing indebtedness, engage in certain sale-leaseback transactions, and enter into certain consolidations, mergers, conveyances, transfers or leases of all or substantially all of the Company's assets. The terms of the 4.2% Senior Notes also require the Company to make an offer to repurchase the 4.2% Senior Notes upon a change of control triggering event (as defined in the Indenture) at a price equal to 101% of their principal amount plus accrued and unpaid interest, if any.

As of December 31, 2020, the \$350.0 million 4.2% Senior Notes are due in December 2021 but have not been classified as short-term borrowings on the Consolidated Balance Sheets as the Company has the ability and intent to either refinance or repay the Notes using the available borrowing capacity of the Revolving Facility. As a result, the 4.2% Senior Notes remain classified as long-term borrowings in the Consolidated Balance Sheets as of December 31, 2020.

Total borrowings at December 31, 2020 have scheduled maturities as follows:

(In thousands)

2021	\$ 350,088
2022	—
2023	100,000
2024	—
2025	100,127
Thereafter	500,000
Total borrowings	<u>\$ 1,050,215</u>

8. Derivative Instruments

The Company enters into cash flow hedges from time to time to reduce the exposure to variability in certain expected future cash flows. The types of cash flow hedges the Company enters into include foreign currency exchange contracts designed to minimize the earnings impact on certain intercompany loans as well as interest rate exchange agreements designed to reduce the impact of interest rate changes on future interest expense that effectively convert a portion of floating-rate debt to fixed-rate debt.

The effective portion of gains or losses on interest rate exchange agreements is reported in accumulated other comprehensive income (loss) in shareholders' equity and reclassified into net income in the same period or periods in which the hedged transaction affects net income. The remaining gain or loss in excess of the cumulative change in the present value of future cash flows or the hedged item, if any, is recognized in net income during the period of change. See Note 17 for the amount of loss reclassified into net income for interest rate contracts for the years ended December 31, 2020, 2019 and 2018. As of December 31, 2020, the Company did not have any interest rate contracts outstanding.

On April 15, 2010, the Company entered into a forward starting interest rate contract with a notional amount of \$300.0 million and a settlement date in December 2010. This contract was entered into in anticipation of the issuance of the

4.5% Senior Notes and was designed to lock in the market interest rate as of April 15, 2010. In December 2010, the Company settled and paid this interest rate contract for \$31.0 million. The \$31.0 million was being amortized into interest expense over the 10 year term of the 4.5% Senior Notes, which results in an effective interest rate of 5.8%. In conjunction with the early redemption of the 4.5% Senior Notes on May 27, 2020, the Company accelerated the recognition of the remaining \$1.4 million of the pre-tax amount included in Accumulated other comprehensive income (loss) in shareholders' equity related to the 4.5% Senior Notes and recorded such as Other (income) expense - net during the year ended December 31, 2020 in the Consolidated Statements of Operations.

On July 12, 2011, the Company entered into a forward starting interest rate contract with a notional amount of \$350.0 million and a settlement date of September 30, 2011. This contract was entered into in anticipation of the issuance of the 4.2% Senior Notes and was designed to lock in the market interest rate as of July 12, 2011. On September 29, 2011, the Company settled this interest rate contract for \$34.7 million with a payment made on October 3, 2011. Simultaneously, the Company entered into a separate interest rate contract with a notional amount of \$350.0 million and a settlement date of February 28, 2012. The contract was entered into in anticipation of the expected issuance of the 4.2% Senior Notes and was designed to maintain the market rate as of July 12, 2011. In December 2011, the Company settled and paid the September interest rate contract for \$4.0 million, resulting in a total settlement of \$38.7 million. Of the \$38.7 million, \$0.8 million was recognized as other expense in 2011 and the balance of \$37.9 million is being amortized into interest expense over the 10 year term of the 4.2% Senior Notes, which results in an effective interest rate of 5.3%.

The amount of expense reclassified into interest expense for interest rate contracts for the years ended December 31, 2020, 2019 and 2018 is \$6.0 million, \$6.3 million and \$6.5 million, respectively.

The remaining \$2.5 million included in Accumulated other comprehensive income (loss) in shareholders' equity at December 31, 2020 will be recognized in net income over the next 12 months as the underlying hedged transaction is realized.

At March 31, 2018, the Company had outstanding foreign currency exchange contracts with a combined notional value of €180 million that were not designated as hedges for accounting purposes and, as a result, the change in the fair value of these foreign currency exchange contracts and the corresponding foreign currency gain or loss on the revaluation of the intercompany loans were both recorded through earnings within Other (income) expense - net in the Consolidated Statements of Operations each period as incurred.

In April 2018, the Company settled its outstanding foreign currency exchange contracts in conjunction with its repayment of the underlying intercompany loans and did not extend these foreign currency exchange contracts. Along with the repayment of the intercompany loans, the Company was required to make a capital contribution to one of its subsidiaries, which resulted in a \$2.2 million stamp duty in Switzerland which was recorded within Selling, general and administrative expenses in the Consolidated Statements of Operations.

As a result of the foreign currency exchange contracts being settled in April 2018, the Company received \$6.6 million of proceeds. During the year ended December 31, 2018, the Company recorded a gain of \$0.9 million within Other (income) expense - net in the Consolidated Statements of Operations related to these foreign currency exchange contracts. During the year ended December 31, 2018, the Company recorded a foreign currency transaction loss of \$0.9 million within Other (income) expense - net in the Consolidated Statements of Operations related to these intercompany loans.

Fair values relating to derivative financial instruments reflect the estimated amounts that the Company would receive or pay to sell or buy the contracts based on quoted market prices of comparable contracts at each balance sheet date.

9. Fair Value Measurements

ASC 820, *Fair Value Measurements and Disclosures*, defines fair value, provides guidance for measuring fair value and requires certain disclosures. This standard discusses valuation techniques, such as the market approach (comparable market prices), the income approach (present value of future income or cash flow), and the cost approach (cost to replace the service capacity of an asset or replacement cost). The standard utilizes a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value into three broad levels. The following is a brief description of those three levels:

- Level 1: Observable inputs such as quoted prices (unadjusted) in active markets for identical assets or liabilities.
- Level 2: Inputs, other than quoted prices, that are observable for the asset or liability, either directly or indirectly. These include quoted prices for similar assets or liabilities in active markets and quoted prices for identical or similar assets or liabilities in markets that are not active.
- Level 3: Unobservable inputs that reflect the reporting entity's own assumptions.

The following table summarizes the basis used to measure the Company's financial assets (liabilities) at fair value on a recurring basis in the balance sheets at December 31, 2020 and 2019:

	Basis of Fair Value Measurements			
	Balance at December 31, 2020	Level 1	Level 2	Level 3
	(In thousands)			
Available for sale securities	\$ 13,554	\$ 13,554	\$ —	\$ —

	Basis of Fair Value Measurements			
	Balance at December 31, 2019	Level 1	Level 2	Level 3
	(In thousands)			
Available for sale securities	\$ 10,462	\$ 10,462	\$ —	\$ —
Contingent consideration	3,375	—	—	3,375

There were no transfers of assets or liabilities between Level 1 and Level 2 in 2020 or 2019.

As of December 31, 2019, the Company utilized a Monte Carlo simulation to determine the fair value of the contingent consideration associated with the acquisition of FLI as of the acquisition date. The \$3.4 million represented management's best estimate of the liability based on a range of FLI's two-year operating results from August 1, 2018 to July 31, 2020. In March 2020, the Company and the seller reached an agreement to settle the contingent consideration for \$3.0 million, which was paid in April 2020.

The carrying values of our cash and cash equivalents, accounts receivable, accounts payable and accrued expenses approximates their fair values because of the short term nature of these instruments. At December 31, 2020, the fair value of the outstanding indebtedness under our 3.0% Senior Notes, 3.2% Senior Notes, 3.37% Senior Notes, 4.2% Senior Notes and other borrowings based on quoted market prices and current market rates for debt with similar credit risk and maturity was approximately \$1,127.6 million compared to the carrying value of \$1,049.3 million. At December 31, 2019, the fair value of the outstanding indebtedness under our 3.2% Senior Notes, 3.37% Senior Notes, 4.5% Senior Notes, 4.2% Senior Notes and other borrowings based on quoted market prices and current market rates for debt with similar credit risk and maturity was approximately \$876.0 million compared to the carrying value of \$850.2 million. These fair value measurements are classified as Level 2 within the fair value hierarchy since they are determined based upon significant inputs observable in the market, including interest rates on recent financing transactions to entities with a credit rating similar to ours.

10. Leases

The Company leases certain office facilities, warehouses, manufacturing plants, equipment (which includes both office and plant equipment) and vehicles under operating leases. Leases with an initial term of 12 months or less are not recorded on the balance sheet; the Company recognizes lease expense for these leases on a straight-line basis over the lease term.

Certain leases include one or more options to renew. The exercise of lease renewal options is at the Company's sole discretion. There are currently no renewal periods included in any of the leases' respective lease terms as they are not reasonably certain of being exercised. The Company does not have any material purchase options.

Certain of our lease agreements have rental payments that are adjusted periodically for inflation or that are based on usage. Our lease agreements do not contain any material residual value guarantees or material restrictive covenants.

Supplemental balance sheet information related to leases as of December 31, 2020 and 2019 was as follows:

	Balance Sheet Caption	December 31, 2020	December 31, 2019
(In thousands)			
Operating leases:			
Building right-of-use assets - net	Other noncurrent assets	\$ 100,775	\$ 75,381
Equipment right-of-use assets - net	Other noncurrent assets	5,811	6,993
Total right-of-use assets - net		\$ 106,586	\$ 82,374
Operating leases:			
Current lease liabilities	Accrued expenses	\$ 16,721	\$ 15,235
Noncurrent lease liabilities	Other noncurrent liabilities	94,250	69,928
Total lease liabilities		\$ 110,971	\$ 85,163

In the fourth quarter of 2020, the Company consolidated certain facilities within the FMT segment, which resulted in an impairment charge of \$0.9 million related to a building right-of-use asset that was exited early. The Company also relocated its corporate office, which resulted in an impairment charge of \$0.4 million related to a building right-of-use asset that was exited early.

In the second quarter of 2019, the Company began to evaluate strategic alternatives for one of its businesses in the HST segment. Prior to making a final decision on the options that were presented for this business, the business was informed in the third quarter of 2019 of the loss of its largest customer. As a result, the Company accelerated its restructuring activities for this business and a decision was made to wind down the business over time. This event required an interim impairment test be performed on its long-lived assets, which resulted in an impairment charge of \$0.6 million related to its building right-of-use asset. In the fourth quarter of 2019, the Company completed the consolidation of one of its facilities in the HST segment into the Optics Center of Excellence in Rochester, New York, which also resulted in an impairment charge of \$0.4 million related to its building right-of-use asset. These charges were recorded as Restructuring expenses and asset impairments in the Consolidated Statements of Operations. See Note 15 for further discussion.

As part of the adoption of the new lease standard in 2019, the Company derecognized its liability for the construction of a new leased facility that was recorded in Other noncurrent liabilities on the Consolidated Balance Sheets and recorded it as a right of use asset in Other noncurrent assets on the Consolidated Balance Sheets with a corresponding lease liability in Accrued expenses and Other noncurrent liabilities on the Consolidated Balance Sheets.

The components of lease cost for the years ended December 31, 2020 and 2019 were as follows:

	December 31, 2020	December 31, 2019
(In thousands)		
Operating lease cost ⁽¹⁾	\$ 29,451	\$ 23,080
Variable lease cost	1,939	2,265
Total lease expense	\$ 31,390	\$ 25,345

⁽¹⁾ Includes short-term leases, which are immaterial.

Rental expense totaled \$21.8 million in 2018.

Supplemental cash flow information related to leases for the years ended December 31, 2020 and 2019 was as follows:

	December 31, 2020	December 31, 2019
(In thousands)		
Cash paid for amounts included in the measurement of operating lease liabilities	\$ 28,673	\$ 22,888
Right-of-use assets obtained in exchange for new operating lease liabilities	40,432	25,878

Other supplemental information related to leases as of December 31, 2020 and 2019 was as follows:

Lease Term and Discount Rate	December 31, 2020	December 31, 2019
Weighted-average remaining lease term (years):		
Operating leases - building and equipment	9.43	9.61
Operating leases - vehicles	2.01	1.92
Weighted-average discount rate:		
Operating leases - building and equipment	3.51 %	4.08 %
Operating leases - vehicles	2.05 %	2.99 %

The Company uses its incremental borrowing rate to determine the present value of the lease payments.

Total lease liabilities at December 31, 2020 have scheduled maturities as follows:

Maturity of Lease Liabilities	Operating Leases (In thousands)
2021	\$ 19,717
2022	17,014
2023	13,662
2024	11,681
2025	11,141
Thereafter	57,570
Total lease payments	<u>130,785</u>
Less: Imputed interest	<u>(19,814)</u>
Present value of lease liabilities	<u>\$ 110,971</u>

Total lease liabilities at December 31, 2019 had scheduled maturities as follows:

Maturity of Lease Liabilities	Operating Leases (In thousands)
2020	\$ 18,449
2021	15,070
2022	10,647
2023	8,894
2024	7,037
Thereafter	44,284
Total lease payments	<u>\$ 104,381</u>
Less: Imputed interest	<u>\$ (19,218)</u>
Present value of lease liabilities	<u>\$ 85,163</u>

11. Commitments and Contingencies

Warranty costs are provided for at the time of sale. The warranty provision is based on historical costs and adjusted for specific known claims. A rollforward of the warranty reserve is as follows:

	2020	2019	2018
	(In thousands)		
Beginning balance at January 1	\$ 5,581	\$ 5,303	\$ 6,281
Provision for warranties	3,001	3,438	2,334
Claim settlements	(2,676)	(3,115)	(2,981)
Other adjustments, including acquisitions, divestitures and currency translation	1,488	(45)	(331)
Ending balance at December 31	<u>\$ 7,394</u>	<u>\$ 5,581</u>	<u>\$ 5,303</u>

The Company and certain of its subsidiaries are involved in pending and threatened legal, regulatory and other proceedings arising in the ordinary course of business. These proceedings may pertain to matters such as product liability or contract disputes, and may also involve governmental inquiries, inspections, audits or investigations relating to issues such as tax matters, intellectual property, environmental, health and safety issues, governmental regulations, employment and other matters. Although the results of such legal proceedings cannot be predicted with certainty, the Company believes that the ultimate disposition of these matters will not have a material adverse effect, individually or in the aggregate, on the Company's business, financial condition, results of operations or cash flows.

12. Common and Preferred Stock

On March 17, 2020, the Company's Board of Directors approved an increase of \$500.0 million in the authorized level of repurchases of common stock. This approval is in addition to the prior repurchase authorizations of the Board of Directors of \$300.0 million on December 1, 2015 and \$400.0 million on November 6, 2014. These authorizations have no expiration date. Repurchases under the program will be funded with future cash flow generation or borrowings available under the Revolving Facility. During 2020, the Company repurchased a total of 876 thousand shares at a cost of \$110.3 million, compared to 389 thousand shares repurchased at a cost of \$54.7 million in 2019. As of December 31, 2020, the amount of share repurchase authorization remaining was \$712.0 million.

At December 31, 2020 and 2019, the Company had 150 million shares of authorized common stock, with a par value of \$.01 per share, and five million shares of authorized preferred stock, with a par value of \$.01 per share. No preferred stock was outstanding at December 31, 2020 and 2019.

13. Income Taxes

Pretax income for 2020, 2019 and 2018 was taxed in the following jurisdictions:

	2020	2019	2018
	(In thousands)		
U.S.	\$ 296,355	\$ 377,166	\$ 357,585
Foreign	173,985	155,737	171,354
Total	<u>\$ 470,340</u>	<u>\$ 532,903</u>	<u>\$ 528,939</u>

The provision (benefit) for income taxes for 2020, 2019 and 2018 was as follows:

	2020	2019	2018
	(In thousands)		
Current			
U.S.	\$ 29,548	\$ 49,819	\$ 67,793
State and local	4,603	9,074	8,056
Foreign	50,173	41,864	46,862
Total current	84,324	100,757	122,711
Deferred			
U.S.	10,066	10,158	(5,471)
State and local	1,522	(115)	(17)
Foreign	(3,350)	(3,418)	1,143
Total deferred	8,238	6,625	(4,345)
Total provision for income taxes	\$ 92,562	\$ 107,382	\$ 118,366

Deferred tax assets (liabilities) at December 31, 2020 and 2019 were:

	2020	2019
	(In thousands)	
Employee and retiree benefit plans	\$ 26,872	\$ 28,097
Capital loss and other carryforwards	16,316	16,035
Operating lease assets	24,705	20,036
Operating lease liabilities	(23,945)	(19,530)
Depreciation and amortization	(188,993)	(175,904)
Inventories	8,780	7,699
Allowances and accruals	7,343	7,765
Interest rate exchange agreement	745	2,113
Other	(16,946)	(14,998)
Total gross deferred tax (liabilities)	(145,123)	(128,687)
Valuation allowance	(16,316)	(16,035)
Total deferred tax (liabilities), net of valuation allowances	\$ (161,439)	\$ (144,722)

The deferred tax assets and liabilities recognized in the Company's Consolidated Balance Sheets as of December 31, 2020 and 2019 were:

	2020	2019
	(In thousands)	
Noncurrent deferred tax asset - Other noncurrent assets	\$ 2,424	\$ 1,852
Noncurrent deferred tax liabilities - Deferred income taxes	(163,863)	(146,574)
Net deferred tax liabilities	\$ (161,439)	\$ (144,722)

The Company had prepaid income taxes, recorded within Other current assets on the Consolidated Balance Sheets, of \$20.9 million and \$13.4 million as of December 31, 2020 and 2019, respectively.

The provision for income taxes differs from the amount computed by applying the statutory federal income tax rate to pretax income. The computed amount and the differences for 2020, 2019 and 2018 are as follows:

	2020	2019	2018
	(In thousands)		
Pretax income	\$ 470,340	\$ 532,903	\$ 528,939
Provision for income taxes:			
Computed amount at statutory rate	\$ 98,771	\$ 111,910	\$ 111,077
State and local income tax (net of federal tax benefit)	5,954	8,163	8,280
Taxes on non-U.S. earnings-net of foreign tax credits	7,048	5,003	5,725
Global Intangible Low-Taxed Income	(2,731)	2,324	2,725
Foreign-Derived Intangible Income Deduction	(4,928)	(5,811)	(5,410)
Effect of flow-through entities	1,308	1,316	1,215
U.S. business tax credits	(3,163)	(3,193)	(3,056)
Share-based payments	(9,743)	(11,011)	(9,348)
Valuation allowance	70	(117)	—
Impact of Tax Act	—	(334)	10,298
Other	(24)	(868)	(3,140)
Total provision for income taxes	\$ 92,562	\$ 107,382	\$ 118,366

On March 27, 2020, the Coronavirus Aid, Relief and Economic Security Act (the “CARES Act”) was enacted into law as a response to the COVID-19 pandemic. The CARES Act includes various provisions including, but not limited to, changes to Federal net operating losses, expanding the applicability of the interest limitation rules under Internal Revenue Code Section 163(j) and amending the 2017 Tax Cuts and Jobs Act to provide for a 15-year recovery period for qualified improvement property. In addition to the CARES Act, on December 27, 2020, the Consolidated Appropriations Act was enacted into law which enhances and expands certain provisions of the CARES Act. The Company has determined that neither of these enacted laws have a material impact for the year ending December 31, 2020.

The Company has \$28.6 million and \$26.5 million of permanently reinvested earnings of non-U.S. subsidiaries as of December 31, 2020 and 2019, respectively. No deferred U.S. income taxes have been provided on the \$28.6 million of permanently reinvested earnings, as these earnings are considered to be reinvested for an indefinite period of time. It should also be noted that the aforementioned earnings will not incur U.S. taxes when ultimately repatriated other than potentially U.S. state and local taxes and/or U.S. federal income taxes on foreign exchange gains or losses crystallized on the distribution of such earnings. Such distributions could also be subject to additional foreign withholding and foreign income taxes. The amount of unrecognized deferred income tax liabilities on currently permanently reinvested earnings is estimated to be \$4.3 million and \$5.4 million as of December 31, 2020 and 2019, respectively.

During the years ended December 31, 2020, 2019 and 2018, the Company repatriated \$27.0 million, \$99.0 million and \$135.0 million of foreign earnings, respectively. These actual distributions resulted in no incremental income tax expense for the years ended December 31, 2020, 2019 and 2018. These repatriations represent distributions of previously taxed income as well as distributions from liquidating subsidiaries.

A reconciliation of the beginning and ending amount of unrecognized tax benefits for 2020, 2019 and 2018 is as follows:

	2020	2019	2018
	(In thousands)		
Beginning balance January 1	\$ 3,680	\$ 4,070	\$ 2,722
Gross increases for tax positions of prior years	—	—	2,308
Gross decreases for tax positions of prior years	—	—	(229)
Settlements	(2,608)	(140)	(160)
Lapse of statute of limitations	—	(250)	(571)
Ending balance December 31	<u>\$ 1,072</u>	<u>\$ 3,680</u>	<u>\$ 4,070</u>

The Company recognizes interest and penalties related to uncertain tax positions in income tax expense. As of December 31, 2020, there was no accrued interest related to uncertain tax positions. As of December 31, 2019 and 2018, the Company had approximately \$0.2 million and \$0.1 million, respectively, of accrued interest related to uncertain tax positions. The Company had no accrued penalties related to uncertain tax positions during any of these years.

The total amount of unrecognized tax benefits that would affect the Company's effective tax rate if recognized is \$1.1 million, \$3.7 million and \$4.1 million as of December 31, 2020, 2019 and 2018, respectively. The tax years 2015-2019 remain open to examination by major taxing jurisdictions. Due to the potential for resolution of federal, state and foreign examinations, and the expiration of various statutes of limitation, it is reasonably possible that the Company's gross unrecognized tax benefits balance may change. However, these unrecognized tax benefits are long-term in nature and are not expected to change within the next 12 months.

The Company had net operating loss and general business credit carryforwards related to prior acquisitions for U.S. federal purposes at December 31, 2020 and 2019 of \$0.1 million and \$0.4 million, respectively. The U.S. federal business credit carryforwards are available for use against the Company's consolidated U.S. federal taxable income and expire between 2025 and 2028. For non-U.S. purposes, the Company had net operating loss carryforwards at December 31, 2020 and 2019 of \$7.4 million and \$16.5 million, respectively, the majority of which relate to acquisitions. The entire balance of the non-U.S. net operating losses is available to be carried forward indefinitely. At December 31, 2020 and 2019, the Company had U.S. state net operating loss carryforwards of approximately \$14.7 million and \$17.4 million, respectively. If unutilized, the U.S. state net operating loss will expire between 2033 and 2039. At December 31, 2020 and 2019, the Company recorded a valuation allowance against the deferred tax asset attributable to the U.S. state net operating loss of \$0.6 million and \$0.6 million, respectively.

The Company had a capital loss carryover for U.S. federal purposes at December 31, 2020 and 2019 of approximately \$45.9 million and \$45.6 million, respectively. U.S. federal capital loss carryovers can be carried back three years and forward five years, thus, if unutilized, the U.S. federal capital loss carryover will expire between 2021 and 2025. At December 31, 2020 and 2019, the Company recorded a valuation allowance against the deferred tax asset attributable to the U.S. federal capital loss carryover of \$9.6 million and \$9.6 million, respectively. At December 31, 2020 and 2019, the Company had U.S. state capital loss carryovers of \$45.9 million and \$62.1 million, respectively. If unutilized, the U.S. state capital loss carryovers will expire between 2021 and 2040. At December 31, 2020 and 2019, the Company recorded a valuation allowance against the deferred tax assets attributable to the U.S. state capital loss carryovers of \$0.9 million and \$0.8 million, respectively. At December 31, 2020 and 2019, the Company had a foreign capital loss carryforward of approximately \$14.3 million and \$13.8 million, respectively. The foreign capital loss can be carried forward indefinitely. At both December 31, 2020 and 2019, the Company has a full valuation allowance against the deferred tax asset attributable to the foreign capital loss.

The Company had a foreign tax credit carryover for U.S. federal purposes at December 31, 2020 and 2019 of approximately \$3.3 million and \$3.3 million, respectively. U.S. federal foreign tax credit carryovers can be carried back one year and forward ten years, thus, if unutilized, the U.S. federal foreign tax credit carryover will expire between 2029 and 2030. At December 31, 2020, the Company recorded a full valuation allowance against the deferred tax asset attributable to the U.S. federal foreign tax credit carryover.

14. Business Segments and Geographic Information

IDEX has three reportable business segments: Fluid & Metering Technologies, Health & Science Technologies and Fire & Safety/Diversified Products.

The Fluid & Metering Technologies segment designs, produces and distributes positive displacement pumps, small volume provers, flow meters, injectors and other fluid-handling pump modules and systems and provides flow monitoring and other services for the food, chemical, general industrial, water and wastewater, agriculture and energy industries.

The Health & Science Technologies segment designs, produces and distributes a wide range of precision fluidics, rotary lobe pumps, centrifugal and positive displacement pumps, roll compaction and drying systems used in beverage, food processing, pharmaceutical and cosmetics, pneumatic components and sealing solutions, including very high precision, low-flow rate pumping solutions required in analytical instrumentation, clinical diagnostics and drug discovery, high performance molded and extruded sealing components, custom mechanical and shaft seals for a variety of end markets including food and beverage, marine, chemical, wastewater and water treatment, engineered hygienic mixers and valves for the global biopharmaceutical industry, biocompatible medical devices and implantables, air compressors used in medical, dental and industrial applications, optical components and coatings for applications in the fields of scientific research, defense, biotechnology, aerospace, telecommunications and electronics manufacturing, laboratory and commercial equipment used in the production of micro and nano scale materials, precision photonic solutions used in life sciences, research and defense markets and precision gear and peristaltic pump technologies that meet exacting original equipment manufacturer specifications.

The Fire & Safety/Diversified Products segment designs, produces and distributes firefighting pumps, valves and controls, rescue tools, lifting bags and other components and systems for the fire and rescue industry, engineered stainless steel banding and clamping devices used in a variety of industrial and commercial applications and precision equipment for dispensing, metering and mixing colorants and paints used in a variety of retail and commercial businesses around the world.

Information on the Company's business segments is presented below based on the nature of products and services offered. The Company evaluates performance based on several factors, of which sales, operating income and operating margin are the primary financial measures. Intersegment sales are accounted for at fair value as if the sales were to third parties.

	2020	2019	2018
	(In thousands)		
NET SALES			
Fluid & Metering Technologies			
External customers	\$ 895,474	\$ 956,523	\$ 951,275
Intersegment sales	830	505	277
Total segment sales	<u>896,304</u>	<u>957,028</u>	<u>951,552</u>
Health & Science Technologies			
External customers	893,353	912,623	895,970
Intersegment sales	2,609	1,823	449
Total segment sales	<u>895,962</u>	<u>914,446</u>	<u>896,419</u>
Fire & Safety/Diversified Products			
External customers	562,819	625,427	636,421
Intersegment sales	32	1,343	607
Total segment sales	<u>562,851</u>	<u>626,770</u>	<u>637,028</u>
Intersegment eliminations	(3,471)	(3,671)	(1,333)
Total net sales	<u>\$ 2,351,646</u>	<u>\$ 2,494,573</u>	<u>\$ 2,483,666</u>
OPERATING INCOME (LOSS) ⁽¹⁾			
Fluid & Metering Technologies	\$ 235,011	\$ 285,256	\$ 275,060
Health & Science Technologies	206,356	200,200	205,679
Fire & Safety/Diversified Products	144,191	165,258	168,601
Corporate office and other	(64,845)	(71,711)	(80,252)
Total operating income	<u>520,713</u>	<u>579,003</u>	<u>569,088</u>
Interest expense	44,746	44,341	44,134
Other (income) expense - net	5,627	1,759	(3,985)
Income before taxes	<u>\$ 470,340</u>	<u>\$ 532,903</u>	<u>\$ 528,939</u>

	2020	2019	2018
	(In thousands)		
ASSETS			
Fluid & Metering Technologies	\$ 1,387,067	\$ 1,150,712	\$ 1,107,777
Health & Science Technologies	1,576,093	1,507,108	1,329,368
Fire & Safety/Diversified Products	891,864	825,398	806,075
Corporate office and other	559,374	330,694	230,637
Total assets	<u>\$ 4,414,398</u>	<u>\$ 3,813,912</u>	<u>\$ 3,473,857</u>
DEPRECIATION AND AMORTIZATION ⁽²⁾			
Fluid & Metering Technologies	\$ 25,939	\$ 22,152	\$ 22,370
Health & Science Technologies	41,778	39,721	39,939
Fire & Safety/Diversified Products	15,216	14,333	14,493
Corporate office and other	562	670	742
Total depreciation and amortization	<u>\$ 83,495</u>	<u>\$ 76,876</u>	<u>\$ 77,544</u>
CAPITAL EXPENDITURES			
Fluid & Metering Technologies	\$ 11,924	\$ 17,285	\$ 19,541
Health & Science Technologies	27,626	22,001	26,039
Fire & Safety/Diversified Products	8,913	9,811	10,318
Corporate office and other	3,082	1,815	191
Total capital expenditures	<u>\$ 51,545</u>	<u>\$ 50,912</u>	<u>\$ 56,089</u>

(1) Segment operating income (loss) excludes net unallocated corporate operating expenses.

(2) Excludes amortization of debt issuance expenses.

Information about the Company's long-lived assets in different geographical regions for the years ended December 31, 2020, 2019 and 2018 is shown below.

	2020	2019	2018
	(In thousands)		
LONG-LIVED ASSETS — PROPERTY, PLANT AND EQUIPMENT			
U.S.	\$ 169,159	\$ 165,721	\$ 171,111
North America, excluding U.S.	5,028	3,829	3,398
Europe	99,989	88,104	85,100
Asia	23,950	22,505	21,355
Other	147	157	256
Total long-lived assets - net	<u>\$ 298,273</u>	<u>\$ 280,316</u>	<u>\$ 281,220</u>

15. Restructuring Expenses and Asset Impairments

During 2020, 2019 and 2018, the Company incurred restructuring costs to facilitate long-term, sustainable growth through cost reduction actions, consisting of employee reductions, facility rationalization and asset impairments. Restructuring costs include severance benefits, exit costs and asset impairments and are included in Restructuring expenses and asset impairments in the Consolidated Statements of Operations. Severance costs primarily consist of severance benefits through payroll continuation, COBRA subsidies, outplacement services, conditional separation costs and employer tax liabilities, while exit costs primarily consist of lease exit and contract termination costs.

2020 Initiative

During 2020, the Company recorded pre-tax restructuring expenses and asset impairments totaling \$11.8 million related to the 2020 restructuring initiative. These expenses consisted of employee severance related to employee reductions across various functional areas, facility rationalization, contract termination costs and asset impairments. Severance payments will be substantially paid by the end of 2021 using cash from operations.

In the fourth quarter of 2020, the Company consolidated certain facilities within the FMT segment, which resulted in an impairment charge of \$2.5 million, consisting of \$1.6 million related to property, plant and equipment which was not relocated to the new location and \$0.9 million related to a building right-of-use asset that was exited early. The Company also relocated its corporate office, which resulted in an impairment charge of \$0.6 million, consisting of \$0.2 million related to property, plant and equipment which was not relocated to the new location and \$0.4 million related to a building right-of-use asset that was exited early.

Pre-tax restructuring expenses and asset impairments by segment for the 2020 initiative were as follows:

	Severance Costs	Exit Costs	Asset Impairments	Total
	(In thousands)			
Fluid & Metering Technologies	\$ 2,939	\$ 165	\$ 2,476	\$ 5,580
Health & Science Technologies	2,742	—	—	2,742
Fire & Safety/Diversified Products	2,524	—	—	2,524
Corporate/Other	319	—	611	930
Total restructuring costs	<u>\$ 8,524</u>	<u>\$ 165</u>	<u>\$ 3,087</u>	<u>\$ 11,776</u>

2019 Initiative

During 2019, the Company recorded pre-tax restructuring expenses and asset impairments totaling \$21.0 million related to the 2019 restructuring initiative. These expenses consisted of employee severance related to employee reductions across various functional areas, facility rationalization, contract termination costs and asset impairments. Severance payments were substantially paid by the end of 2020 using cash from operations.

In the second quarter of 2019, the Company began to evaluate strategic alternatives for one of its businesses in the HST segment. Prior to making a final decision on the options that were presented for this business, the business was informed in the third quarter of 2019 of the loss of its largest customer. As a result, the Company accelerated its restructuring activities for this business and a decision was made to wind down the business over time. This event required an interim impairment test be performed on the long-lived tangible and intangible assets of the business, which resulted in an impairment charge of \$9.7 million, consisting of \$6.1 million related to a customer relationships intangible asset, \$1.0 million related to an unpatented technology intangible asset, \$2.0 million related to property, plant and equipment and \$0.6 million related to a building right-of-use asset. In the fourth quarter of 2019, the Company also consolidated one of its facilities into the Optics Center of Excellence in Rochester, New York, which resulted in an impairment charge of \$0.4 million related to a building right-of-use asset. These charges were recorded as Restructuring expenses and asset impairments in the Consolidated Statements of Operations.

Pre-tax restructuring expenses and asset impairments by segment for the 2019 initiative were as follows:

	Severance Costs	Exit Costs	Asset Impairments	Total
	(In thousands)			
Fluid & Metering Technologies	\$ 2,879	\$ —	\$ —	\$ 2,879
Health & Science Technologies	3,000	1,094	10,155	14,249
Fire & Safety/Diversified Products	1,364	—	—	1,364
Corporate/Other	2,552	—	—	2,552
Total restructuring costs	<u>\$ 9,795</u>	<u>\$ 1,094</u>	<u>\$ 10,155</u>	<u>\$ 21,044</u>

2018 Initiative

During 2018, the Company recorded pre-tax restructuring expenses and asset impairments totaling \$12.1 million related to the 2018 restructuring initiative. These expenses consisted of employee severance related to employee reductions across various functional areas as well as facility rationalization and contract termination costs. Severance payments were fully paid by the end of 2019 using cash from operations.

Pre-tax restructuring expenses and asset impairments by segment for the 2018 initiative were as follows:

	Severance Costs	Exit Costs	Total
	(In thousands)		
Fluid & Metering Technologies	\$ 2,305	\$ 153	\$ 2,458
Health & Science Technologies	5,454	450	5,904
Fire & Safety/Diversified Products	2,184	—	2,184
Corporate/Other	1,537	—	1,537
Total restructuring costs	<u>\$ 11,480</u>	<u>\$ 603</u>	<u>\$ 12,083</u>

Restructuring accruals of \$3.9 million and \$6.1 million at December 31, 2020 and 2019, respectively, are reflected in Accrued expenses in our Consolidated Balance Sheets as follows:

	Restructuring Initiatives (In thousands)
Balance at January 1, 2019	\$ 6,170
Restructuring expenses	21,044
Payments, utilization and other	(21,104)
Balance at December 31, 2019	6,110
Restructuring expenses ⁽¹⁾	8,837
Payments, utilization and other	(11,079)
Balance at December 31, 2020	<u>\$ 3,868</u>

⁽¹⁾ Excludes \$2.9 million of asset impairments related to property, plant and equipment and right-of-use assets.

16. Share-Based Compensation

The Company maintains two share-based compensation plans for executives, non-employee directors and certain key employees that authorize the granting of stock options, restricted stock, performance share units and other types of awards consistent with the purpose of the plans. The number of shares authorized for issuance under the Company's plans as of December 31, 2020 totaled 15.6 million, of which 3.0 million shares were available for future issuance. The Company's policy

is to recognize compensation cost on a straight-line basis, assuming forfeitures, over the requisite service period for the entire award.

The Company typically grants equity awards annually at its regularly scheduled first quarter meeting of the Board of Directors based on their recommendation from the Compensation Committee.

Stock Options

Stock options granted under the Company's plans are generally non-qualified and are granted with an exercise price equal to the market price of the Company's stock on the date of grant. The fair value of each option grant is estimated on the date of the grant using the Binomial lattice option pricing model. The majority of the options issued to employees vest ratably over four years, with vesting beginning one year from the date of grant, and generally expire 10 years from the date of grant. The fair value of each option grant was estimated on the date of the grant using the Binomial lattice option pricing model.

Weighted average option fair values and assumptions for the periods specified are as follows:

	Years Ended December 31,		
	2020	2019	2018
Weighted average fair value of grants	\$34.22	\$35.15	\$38.13
Dividend yield	1.15%	1.18%	1.07%
Volatility	22.04%	24.77%	28.46%
Risk-free interest rate	1.39% - 1.66%	2.53% - 3.04%	2.03% - 3.17%
Expected life (in years)	5.80	5.87	5.83

The assumptions are as follows:

- The Company estimated volatility using its historical share price performance over the contractual term of the option.
- The Company uses historical data to estimate the expected life of the option. The expected life assumption for the years ended December 31, 2020, 2019 and 2018 is an output of the Binomial lattice option pricing model, which incorporates vesting provisions, rate of voluntary exercise and rate of post-vesting termination over the contractual life of the option to define expected employee behavior.
- The risk-free interest rate is based on the U.S. Treasury yield curve in effect at the time of grant for periods within the contractual life of the option. For the years ended December 31, 2020, 2019 and 2018, we present the range of risk-free one-year forward rates, derived from the U.S. treasury yield curve, utilized in the Binomial lattice option pricing model.
- The expected dividend yield is based on the Company's current dividend yield as the best estimate of projected dividend yield for periods within the contractual life of the option.

A summary of the Company's stock option activity as of December 31, 2020, and changes during the year ended December 31, 2020 is presented as follows:

Stock Options	Shares	Weighted Average Price	Weighted-Average Remaining Contractual Term	Aggregate Intrinsic Value
Outstanding at January 1, 2020	1,386,539	\$ 103.58	6.95	\$ 94,764,140
Granted	353,130	172.93		
Exercised	(511,960)	87.09		
Forfeited/Expired	(263,983)	147.68		
Outstanding at December 31, 2020	963,726	\$ 125.70	6.94	\$ 70,829,529
Vested and expected to vest at December 31, 2020	919,724	\$ 124.01	6.86	\$ 69,151,533
Exercisable at December 31, 2020	424,926	\$ 92.26	5.24	\$ 45,447,769

The intrinsic value for stock options outstanding and exercisable is defined as the difference between the market value of the Company's common stock as of the end of the period and the grant price. The total intrinsic value of options exercised in 2020, 2019 and 2018 was \$41.3 million, \$49.5 million and \$38.0 million, respectively. In 2020, 2019 and 2018, cash received

from options exercised was \$44.6 million, \$38.8 million and \$27.6 million, respectively, while the actual tax benefit realized for the tax deductions from stock options exercised totaled \$8.7 million, \$10.4 million and \$8.0 million, respectively.

Total compensation cost for stock options is recorded in the Consolidated Statements of Operations as follows:

	Years Ended December 31,		
	2020	2019	2018
	(In thousands)		
Cost of goods sold	\$ 501	\$ 445	\$ 470
Selling, general and administrative expenses	7,567	8,705	8,313
Total expense before income taxes	8,068	9,150	8,783
Income tax benefit	(907)	(1,209)	(1,616)
Total expense after income taxes	\$ 7,161	\$ 7,941	\$ 7,167

As of December 31, 2020, there was \$9.1 million of total unrecognized compensation cost related to stock options that is expected to be recognized over a weighted-average period of 1.3 years.

Restricted Stock

Restricted stock awards generally cliff vest after three years for employees and non-employee directors. Unvested restricted stock carries dividend and voting rights and the sale of the shares is restricted prior to the date of vesting. Dividends are paid on restricted stock awards and their fair value is equal to the market price of the Company's stock at the date of the grant. A summary of the Company's restricted stock activity as of December 31, 2020, and changes during the year ending December 31, 2020 is as follows:

Restricted Stock	Shares	Weighted-Average Grant Date Fair Value
Unvested at January 1, 2020	130,248	\$ 124.61
Granted	39,065	168.42
Vested	(39,683)	95.25
Forfeited	(18,330)	142.03
Unvested at December 31, 2020	111,300	\$ 147.13

Total compensation cost for restricted stock is recorded in the Consolidated Statements of Operations as follows:

	Years Ended December 31,		
	2020	2019	2018
	(In thousands)		
Cost of goods sold	\$ 318	\$ 261	\$ 367
Selling, general and administrative expenses	3,857	4,527	4,201
Total expense before income taxes	4,175	4,788	4,568
Income tax benefit	(876)	(920)	(825)
Total expense after income taxes	\$ 3,299	\$ 3,868	\$ 3,743

As of December 31, 2020, there was \$5.8 million of total unrecognized compensation cost related to restricted stock that is expected to be recognized over a weighted-average period of 1.0 year.

Cash-Settled Restricted Stock

The Company also maintains a cash-settled share based compensation plan for certain employees. Cash-settled restricted stock awards generally cliff vest after three years. Cash-settled restricted stock awards are recorded at fair value on a quarterly

basis using the market price of the Company's stock on the last day of the quarter. Dividend equivalents are paid on certain cash-settled restricted stock awards. A summary of the Company's unvested cash-settled restricted stock activity as of December 31, 2020, and changes during the year ending December 31, 2020 is as follows:

Cash-Settled Restricted Stock	Shares	Weighted-Average Fair Value
Unvested at January 1, 2020	74,560	\$ 172.08
Granted	20,780	173.30
Vested	(25,405)	173.26
Forfeited	(5,995)	199.20
Unvested at December 31, 2020	<u>63,940</u>	<u>\$ 199.20</u>

Total compensation cost for cash-settled restricted stock is recorded in the Consolidated Statements of Operations as follows:

	Years Ended December 31,		
	2020	2019	2018
	(In thousands)		
Cost of goods sold	\$ 882	\$ 1,230	\$ 809
Selling, general and administrative expenses	3,677	4,118	2,391
Total expense before income taxes	4,559	5,348	3,200
Income tax benefit	(427)	(509)	(337)
Total expense after income taxes	<u>\$ 4,132</u>	<u>\$ 4,839</u>	<u>\$ 2,863</u>

At December 31, 2020 and 2019, the Company has accrued \$5.4 million and \$5.5 million, respectively, for cash-settled restricted stock in Accrued expenses in the Consolidated Balance Sheets and has accrued \$2.9 million and \$2.8 million, respectively, for cash-settled restricted stock in Other non-current liabilities in the Consolidated Balance Sheets.

Performance Share Units

Beginning in 2013, the Company granted performance share units to selected key employees that may be earned based on IDEX total shareholder return over the three-year period following the date of grant. Performance share units are expected to be made annually and are paid out at the end of a three-year period based on the Company's performance. Performance is measured by determining the percentile rank of the total shareholder return of IDEX common stock in relation to the total shareholder return of companies in the Russell Midcap Index (for awards granted from 2016 through 2019) or the S&P 500 Index (for awards granted in 2020) for the three-year period following the date of grant. The payment of awards following the three-year award period will be based on performance achieved in accordance with the scale set forth in the plan agreement and may range from 0 percent to 250 percent of the initial grant. A target payout of 100 percent is earned if total shareholder return is equal to the 50th percentile of the peer group. Performance share units earn dividend equivalents for the award period, which will be paid to participants with the award payout at the end of the period based on the actual number of performance share units that are earned. Payments made at the end of the award period will be in the form of stock for performance share units and will be in cash for dividend equivalents. The Company's performance share units are considered market condition awards, have been assessed at fair value on the date of grant using a Monte Carlo simulation model and are expensed ratably over the three-year term of the awards. The Company granted 42,690, 56,860 and 52,375 performance share units in 2020, 2019 and 2018, respectively.

Weighted average performance share unit fair values and assumptions for the period specified are as follows:

	Years Ended December 31,		
	2020	2019	2018
Weighted average fair value of grants	\$224.14	\$207.26	\$216.59
Dividend yield	—%	—%	—%
Volatility	19.50%	19.11%	17.42%
Risk-free interest rate	1.30%	2.49%	2.40%
Expected life (in years)	2.94	2.83	2.85

The assumptions are as follows:

- The Company estimated volatility using its historical share price performance over the remaining performance period as of the grant date.
- The Company uses a Monte Carlo simulation model that uses an expected life commensurate with the performance period. As a result, the expected life of the performance share units was assumed to be the period from the grant date to the end of the performance period.
- The risk-free interest rate is based on the U.S. Treasury yield curve in effect at the time of grant with a term commensurate with the remaining performance period.
- Total Shareholder Return is determined assuming that dividends are reinvested in the issuing entity over the performance period, which is mathematically equivalent to utilizing a 0% dividend yield.

A summary of the Company's performance share unit activity as of December 31, 2020, and changes during the year ending December 31, 2020, is as follows:

Performance Share Units	Shares	Weighted-Average Grant Date Fair Value
Unvested at January 1, 2020	100,575	\$ 178.97
Granted	42,690	224.14
Vested	(24,395)	220.14
Forfeited	(60,175)	213.89
Unvested at December 31, 2020	58,695	\$ 218.16

Based on the Company's relative total shareholder return rank during the three year period ended December 31, 2020, the Company achieved a 201% payout factor and issued 48,223 common shares in February 2021 for awards that vested in 2020.

Total compensation cost for performance share units is as follows:

	Years Ended December 31,		
	2020	2019	2018
	(In thousands)		
Cost of goods sold	\$ —	\$ —	\$ —
Selling, general and administrative expenses	2,573	8,383	8,203
Total expense before income taxes	2,573	8,383	8,203
Income tax benefit	(217)	(641)	(1,586)
Total expense after income taxes	\$ 2,356	\$ 7,742	\$ 6,617

As of December 31, 2020, there was \$4.8 million of total unrecognized compensation cost related to performance shares that is expected to be recognized over a weighted-average period of 0.9 years.

17. Other Comprehensive Income (Loss)

The components of Other comprehensive income (loss) are as follows:

	For the Year Ended December 31, 2020			For the Year Ended December 31, 2019		
	Pre-tax	Tax	Net of tax	Pre-tax	Tax	Net of tax
	(In thousands)					
Cumulative translation adjustment	\$ 107,783	\$ —	\$ 107,783	\$ 67	\$ —	\$ 67
Pension and other postretirement adjustments						
Net gain (loss) arising during the year	(1,438)	53	(1,385)	(7,432)	2,497	(4,935)
Amortization/recognition of settlement loss	2,876	(106)	2,770	2,810	(944)	1,866
Pension and other postretirement adjustments	1,438	(53)	1,385	(4,622)	1,553	(3,069)
Reclassification adjustments for derivatives	6,021	(1,369)	4,652	6,327	(1,445)	4,882
Total other comprehensive income (loss)	\$ 115,242	\$ (1,422)	\$ 113,820	\$ 1,772	\$ 108	\$ 1,880

	For the Year Ended December 31, 2018		
	Pre-tax	Tax	Net of tax
	(In thousands)		
Cumulative translation adjustment	\$ (48,114)	\$ —	\$ (48,114)
Pension and other postretirement adjustments			
Net gain (loss) arising during the year	9,963	(2,375)	7,588
Amortization/recognition of settlement loss	2,938	(701)	2,237
Pension and other postretirement adjustments	12,901	(3,076)	9,825
Reclassification adjustments for derivatives	6,475	(1,469)	5,006
Total other comprehensive income (loss)	\$ (28,738)	\$ (4,545)	\$ (33,283)

Amounts reclassified from accumulated other comprehensive income (loss) to net income are summarized as follows:

	For the Year Ended December 31,			Income Statement Caption
	2020	2019	2018	
	(In thousands)			
Pension and other postretirement plans:				
Amortization of service cost	\$ 2,909	\$ 2,858	\$ 3,246	Other (income) expense - net
Recognition of settlement loss	(33)	(48)	(308)	Other (income) expense - net
Total before tax	2,876	2,810	2,938	
Provision for income taxes	(106)	(944)	(701)	
Total net of tax	\$ 2,770	\$ 1,866	\$ 2,237	
Derivatives:				
Reclassification adjustments	\$ 6,021	\$ 6,327	\$ 6,475	Interest expense, Other (income) expense - net
Total before tax	6,021	6,327	6,475	
Provision for income taxes	(1,369)	(1,445)	(1,469)	
Total net of tax	\$ 4,652	\$ 4,882	\$ 5,006	

The Company recognizes the service cost component in both Selling, general and administrative expenses and Cost of sales in the Consolidated Statements of Operations depending on the functional area of the underlying employees included in the plans.

18. Retirement Benefits

The Company sponsors several qualified and nonqualified defined benefit and defined contribution pension plans as well as other post-retirement plans for its employees. The Company uses a measurement date of December 31 for its defined benefit pension plans and post-retirement medical plans. The Company employs the measurement date provisions of ASC 715, *Compensation-Retirement Benefits*, which require the measurement date of plan assets and liabilities to coincide with the sponsor's year end.

Effective September 30, 2019, the IDEX Corporation Retirement Plan ("Plan"), a U.S. defined benefit plan, was amended to freeze the accrual of retirement benefits for all participants. This action impacted fewer than 60 participants, as the Plan had been closed to new entrants as of December 31, 2004 and frozen as of December 31, 2005 for all but certain older, longer service participants. Subsequent to the freeze, termination of the Plan was approved in November 2019. In addition, the Company recorded a settlement charge of \$0.7 million in Other (income) expense - net in the Consolidated Statements of Operations for the year ended December 31, 2019.

Participants were notified in February 2020 and the Plan was terminated in May 2020. As a result of the termination, the settlement threshold was reached in early 2020 and the Company recorded a settlement charge of \$0.9 million in Other (income) expense - net in the Consolidated Statements of Operations for the year ended December 31, 2020. The settlement also triggered the remeasurement of net periodic benefit cost resulting in a reduction of \$1.0 million to Other (income) expense - net in the Consolidated Statements of Operations for the year ended December 31, 2020 as a result of significant decreases in discount rates and strong asset performance in 2020. As of December 31, 2020, the Plan's funded status is 113%, with assets valued at \$93.4 million and liabilities of \$82.6 million. The disclosures for the year ended December 31, 2020 were prepared on a liquidation basis of accounting.

The following table provides a reconciliation of the changes in the benefit obligations and fair value of plan assets over the two-year period ended December 31, 2020 and a statement of the funded status at December 31 for both years.

	Pension Benefits				Other Benefits	
	2020		2019		2020	2019
	U.S.	Non-U.S.	U.S.	Non-U.S.		
(In thousands)						
CHANGE IN BENEFIT OBLIGATION						
Obligation at January 1	\$ 95,947	\$ 102,016	\$ 85,175	\$ 89,789	\$ 23,257	\$ 22,593
Service cost	134	2,215	653	1,844	616	561
Interest cost	1,274	1,056	2,796	1,440	624	849
Plan amendments	183	(1)	—	(156)	(2,905)	—
Benefits paid	(4,023)	(2,640)	(3,520)	(1,507)	(722)	(676)
Actuarial loss (gain)	6,504	7,279	16,931	9,903	3,241	(161)
Currency translation	—	8,941	—	66	62	91
Settlements	(6,064)	(3,802)	(4,826)	—	—	—
Curtailments	—	—	(1,538)	—	—	—
Acquisition/Divestiture	—	—	—	—	—	—
Other	—	624	276	637	—	—
Obligation at December 31	<u>\$ 93,955</u>	<u>\$ 115,688</u>	<u>\$ 95,947</u>	<u>\$ 102,016</u>	<u>\$ 24,173</u>	<u>\$ 23,257</u>
CHANGE IN PLAN ASSETS						
Fair value of plan assets at January 1	\$ 93,413	\$ 39,304	\$ 83,580	\$ 33,532	\$ —	\$ —
Actual return on plan assets	16,225	3,620	17,446	3,406	—	—
Employer contributions	421	2,389	733	2,320	722	676
Benefits paid	(4,023)	(2,640)	(3,520)	(1,507)	(722)	(676)
Currency translation	—	2,669	—	916	—	—
Settlements	(6,064)	(3,802)	(4,826)	—	—	—
Acquisition/Divestiture	—	—	—	—	—	—
Other	—	624	—	637	—	—
Fair value of plan assets at December 31	<u>\$ 99,972</u>	<u>\$ 42,164</u>	<u>\$ 93,413</u>	<u>\$ 39,304</u>	<u>\$ —</u>	<u>\$ —</u>
Funded status at December 31	<u>\$ 6,017</u>	<u>\$ (73,524)</u>	<u>\$ (2,534)</u>	<u>\$ (62,712)</u>	<u>\$ (24,173)</u>	<u>\$ (23,257)</u>
COMPONENTS ON THE CONSOLIDATED BALANCE SHEETS						
Other noncurrent assets	\$ 10,754	\$ 3	\$ 1,921	\$ 14	\$ —	\$ —
Current liabilities	(510)	(1,520)	(564)	(1,270)	(990)	(1,127)
Other noncurrent liabilities	(4,227)	(72,007)	(3,891)	(61,456)	(23,183)	(22,130)
Net asset (liability) at December 31	<u>\$ 6,017</u>	<u>\$ (73,524)</u>	<u>\$ (2,534)</u>	<u>\$ (62,712)</u>	<u>\$ (24,173)</u>	<u>\$ (23,257)</u>

The pension benefits actuarial loss in 2020 was primarily driven by the decrease in the discount rates from 2019 to 2020. The U.S. actuarial loss was partially offset due to an updated mortality base table and projection scale assumption for one of the plans. The Non-U.S. actuarial loss was partially offset due to updated mortality assumptions in the UK and Switzerland.

The other benefits actuarial loss in 2020 was primarily driven by the decrease in the discount rates from 2019 to 2020 and updated claims and contributions experience, partially offset by gains from benefit payments.

The accumulated benefit obligation (“ABO”) for all defined benefit pension plans was \$204.4 million and \$193.3 million at December 31, 2020 and 2019, respectively.

The weighted average assumptions used in the measurement of the Company’s benefit obligation at December 31, 2020 and 2019 were as follows:

	U.S. Plans		Non-U.S. Plans		Other Benefits	
	2020	2019	2020	2019	2020	2019
Discount rate	2.14 %	3.06 %	0.95 %	1.33 %	2.20 %	3.09 %
Rate of compensation increase	— %	— %	2.32 %	2.29 %	— %	4.00 %
Cash balance interest credit rate	4.00 %	4.00 %	1.00 %	1.00 %	— % — %	— %

The pretax amounts recognized in Accumulated other comprehensive income (loss) on the Consolidated Balance Sheets as of December 31, 2020 and 2019 were as follows:

	Pension Benefits				Other Benefits	
	2020		2019		2020	2019
	U.S.	Non-U.S.	U.S.	Non-U.S.		
	(In thousands)					
Prior service cost (credit)	\$ 202	\$ (92)	\$ 46	\$ (100)	\$ (2,914)	\$ (46)
Net loss (gain)	13,414	24,536	21,432	19,304	(2,266)	(6,009)
Total	\$ 13,616	\$ 24,444	\$ 21,478	\$ 19,204	\$ (5,180)	\$ (6,055)

The components of, and the weighted average assumptions used to determine, the net periodic (benefit) cost for the plans in 2020, 2019 and 2018 are as follows:

	Pension Benefits					
	2020		2019		2018	
	U.S.	Non-U.S.	U.S.	Non-U.S.	U.S.	Non-U.S.
	(In thousands)					
Service cost	\$ 134	\$ 2,215	\$ 653	\$ 1,844	\$ 886	\$ 2,105
Interest cost	1,274	1,056	2,796	1,440	2,634	1,389
Expected return on plan assets	(3,750)	(1,170)	(3,319)	(1,047)	(3,943)	(1,120)
Settlement loss recognized	910	(385)	713	—	(1)	(307)
Special termination benefit recognized	—	—	276	—	—	—
Net amortization	1,163	1,730	1,614	1,117	2,712	1,271
Net periodic (benefit) cost	\$ (269)	\$ 3,446	\$ 2,733	\$ 3,354	\$ 2,288	\$ 3,338

	Other Benefits		
	2020	2019	2018
	(In thousands)		
Service cost	\$ 616	\$ 561	\$ 668
Interest cost	624	849	810
Net amortization	(542)	(635)	(737)
Net periodic benefit cost	\$ 698	\$ 775	\$ 741

	U.S. Plans			Non-U.S. Plans		
	2020	2019	2018	2020	2019	2018
Discount rate	Various*	4.11%/2.99%**	3.46 %	1.33 %	2.07 %	1.82 %
Expected return on plan assets	4.00 %	4.00 %	5.50 %	3.00 %	3.12 %	3.09 %
Rate of compensation increase	— %	4.00 %	4.00 %	2.29 %	2.13 %	2.37 %

*For the IDEX Corporation Retirement Plan, a discount rate of 3.07% was used to determine the net periodic (benefit) cost for the period January 1, 2020 through March 31, 2020, a discount rate of 2.97% was used to determine the net periodic (benefit) cost for the period April 1, 2020 through June 30, 2020, a discount rate of 2.41% was used to determine the net periodic (benefit) cost for the period July 1, 2020 through September 30, 2020 and a discount rate of 2.36% was used to determine the net periodic (benefit) cost for the period October 1, 2020 through December 31, 2020 as a result of the quarterly remeasurements that occurred in conjunction with the termination of the Plan.

For the Pulsafeeder, Inc. Pension Plan for Hourly Employees at Rochester, New York, a discount rate of 3.21% was used to determine the net periodic (benefit) cost for the period January 1, 2020 through June 30, 2020 and a discount rate of 2.62% was used to determine the net periodic (benefit) cost for the period July 1, 2020 through December 31, 2020 as a result of the remeasurement that occurred in conjunction with the ratification of the collective bargaining agreement.

**A discount rate of 4.11% was used to determine the net periodic benefit cost for the period January 1, 2019 through August 31, 2019 and a discount rate of 2.99% was used to determine the net periodic benefit cost for the period September 1, 2019 through December 31, 2019 as a result of the remeasurement that occurred in conjunction with the decision to freeze the Plan.

	Other Benefits		
	2020	2019	2018
Discount rate	3.09 %	4.11 %	3.50 %
Expected return on plan assets	— %	— %	— %
Rate of compensation increase	4.00 %	4.00 %	4.00 %

The pretax change recognized in Accumulated other comprehensive income (loss) on the Consolidated Balance Sheet in 2020 is as follows:

	Pension Benefits		Other Benefits
	U.S.	Non-U.S.	
	(In thousands)		
Net gain (loss) in current year	\$ 5,971	\$ (4,829)	\$ (3,241)
Prior service cost	(182)	2	2,905
Amortization of prior service cost (credit)	27	(22)	(37)
Amortization of net loss (gain)	2,046	1,367	(504)
Exchange rate effect on amounts in other comprehensive income	—	(1,758)	2
Total	<u>\$ 7,862</u>	<u>\$ (5,240)</u>	<u>\$ (875)</u>

The discount rates for our plans are derived by matching the plan's cash flows to a yield curve that provides the equivalent yields on zero-coupon bonds for each maturity. The discount rate selected is the rate that produces the same present value of cash flows.

In selecting the expected rate of return on plan assets, the Company considers the historical returns and expected returns on plan assets. The expected returns are evaluated using asset return class, variance and correlation assumptions based on the plan's target asset allocation and current market conditions.

Prior service costs are amortized on a straight-line basis over the average remaining service period of active participants. Gains and losses in excess of 10% of the greater of the benefit obligation or the market value of assets are amortized over the average remaining service period of active participants.

Costs of defined contribution plans were \$12.5 million, \$12.4 million and \$12.2 million for 2020, 2019 and 2018, respectively.

The Company, through its subsidiaries, participates in certain multi-employer pension plans covering approximately 305 participants under U.S. collective bargaining agreements. None of these plans are considered individually significant to the Company as contributions to these plans totaled \$1.1 million, \$1.1 million, and \$1.1 million for 2020, 2019 and 2018, respectively.

For measurement purposes, a 5.64% weighted average annual rate of increase in the per capita cost of covered health care benefits was assumed for 2020. The rate was assumed to decrease gradually each year to a rate of 4.50% for 2038, and remain at that level thereafter.

Plan Assets

The Company's pension plan weighted average asset allocations at December 31, 2020 and 2019, by asset category, were as follows:

	U.S. Plans		Non-U.S. Plans	
	2020	2019	2020	2019
Equity securities	7 %	10 %	17 %	17 %
Fixed income securities	65 %	90 %	24 %	24 %
Cash/Commingled Funds/Other (1)	28 %	— %	59 %	59 %
Total	100 %	100 %	100 %	100 %

The basis used to measure the defined benefit plans' assets at fair value at December 31, 2020 and 2019 is summarized as follows:

As of December 31, 2020	Basis of Fair Value Measurement			
	Outstanding Balances	Level 1	Level 2	Level 3
	(In thousands)			
Equity				
U.S. Large Cap	\$ 3,710	\$ 3,710	\$ —	\$ —
U.S. Small / Mid Cap	444	—	444	—
International	10,427	4,412	6,015	—
Fixed Income				
U.S. Intermediate	14,263	—	14,263	—
U.S. Long Term	51,891	—	51,891	—
U.S. High Yield	296	—	296	—
International	8,448	257	8,191	—
Other Commingled Funds (1)	20,665	—	—	20,665
Cash and Equivalents	28,469	27,826	643	—
Other	3,523	—	3,523	—
	<u>\$ 142,136</u>	<u>\$ 36,205</u>	<u>\$ 85,266</u>	<u>\$ 20,665</u>

(1) Other commingled funds represent pooled institutional investments in non-U.S. plans.

As of December 31, 2019	Basis of Fair Value Measurement			
	Outstanding Balances	Level 1	Level 2	Level 3
	(In thousands)			
Equity				
U.S. Large Cap	\$ 4,734	\$ 4,734	\$ —	\$ —
U.S. Small / Mid Cap	455	—	455	—
International	10,845	5,258	5,587	—
Fixed Income				
U.S. Intermediate	640	—	640	—
U.S. Long Term	83,628	—	83,628	—
U.S. High Yield	1,346	—	1,346	—
International	7,516	296	7,220	—
Other Commingled Funds (1)	19,438	—	—	19,438
Cash and Equivalents	1,094	517	577	—
Other	3,021	—	3,021	—
	<u>\$ 132,717</u>	<u>\$ 10,805</u>	<u>\$ 102,474</u>	<u>\$ 19,438</u>

(1) Other commingled funds represent pooled institutional investments in non-U.S. plans.

Equities that are valued using quoted prices are valued at the published market prices. Equities in a common collective trust or a registered investment company that are valued using significant other observable inputs are valued at the net asset value (“NAV”) provided by the fund administrator. The NAV is based on the value of the underlying assets owned by the fund minus its liabilities. Fixed income securities that are valued using significant other observable inputs are valued at prices obtained from independent financial service industry-recognized vendors.

Investment Policies and Strategies

The investment objective of the U.S. plan, consistent with prudent standards for preservation of capital and maintenance of liquidity, is to earn the highest possible total rate of return consistent with the plan’s tolerance for risk. The general asset allocation guidelines for plan assets are that “equities” will constitute 10% and “fixed income” obligations, including cash, will constitute 90% of the market value of total fund assets. The investment objective of the UK plan, consistent with prudent standards for preservation of capital and maintenance of liquidity, is to earn a target return of UK Gilts plus approximately 2.5% per year. The general asset allocation guidelines for plan assets are that “equities” will constitute from 50% to 60% of the market value of total fund assets with a target of 60%, and “fixed income” obligations, including cash, will constitute from 40% to 50% with a target of 40%. The term “equities” includes common stock, while the term “fixed income” includes obligations with contractual payments and a specific maturity date. The Company, through the use of a professional independent advisor, will monitor the asset allocation daily and maintain an asset allocation that closely replicates the designated targets. Diversification of assets is employed to ensure that adverse performance of one security or security class does not have an undue detrimental impact on the portfolio as a whole. Diversification is interpreted to include diversification by type, characteristic and number of investments as well as by investment style of designated investment fund managers. No restrictions are placed on the selection of individual investments by the investment fund managers. The total fund performance and the performance of the investment fund managers is reviewed on a regular basis using an appointed professional independent advisor. As of December 31, 2020, there were no shares of the Company’s stock held in plan assets.

Cash Flows

The Company expects to contribute approximately \$3.4 million to its defined benefit plans and \$1.0 million to its other postretirement benefit plans in 2021. The Company also expects to contribute approximately \$13.1 million to its defined contribution plan and \$10.1 million to its 401(k) savings plan in 2021.

Estimated Future Benefit Payments

The future estimated benefit payments for the next five years and the five years thereafter are as follows: 2021 — \$88.5 million; 2022 — \$5.9 million; 2023 — \$5.9 million; 2024 — \$6.1 million; 2025 — \$6.3 million; 2026 to 2030 — \$32.3 million.

19. Quarterly Results of Operations (Unaudited)

The unaudited quarterly results of operations for the years ended December 31, 2020 and 2019 are as follows:

	2020 Quarters (1)				2019 Quarters (1)			
	First	Second	Third	Fourth	First	Second	Third	Fourth
	(In thousands, except per share amounts)							
Net sales	\$ 594,462	\$ 561,249	\$ 581,113	\$ 614,822	\$ 622,231	\$ 642,099	\$ 624,246	\$ 605,997
Gross profit	271,956	234,800	251,500	269,168	283,834	292,337	281,978	266,885
Operating income	139,941	110,594	131,213	138,965	147,782	155,283	141,765	134,173
Net income (2)	101,998	70,864	103,848	101,068	110,268	113,209	105,194	96,850
Basic EPS	\$ 1.35	\$ 0.94	\$ 1.38	\$ 1.33	\$ 1.46	\$ 1.50	\$ 1.39	\$ 1.28
Diluted EPS	\$ 1.33	\$ 0.93	\$ 1.37	\$ 1.32	\$ 1.44	\$ 1.48	\$ 1.37	\$ 1.26
Basic weighted average shares outstanding	75,740	75,171	75,352	75,817	75,442	75,460	75,698	75,779
Diluted weighted average shares outstanding	76,452	75,937	75,960	76,367	76,284	76,387	76,577	76,570

(1) Quarterly data includes the acquisition of Flow MD (February 2020) and Velcora (July 2019) from the date of acquisition. See Note 2 for further discussion.

(2) Decline in second quarter net sales and net income is primarily attributed to impacts of COVID-19.

20. Subsequent Events

On January 8, 2021, the Company entered into a definitive agreement to acquire Abel Pumps, L.P. and certain of its affiliates (“ABEL”) for cash consideration of \$103.5 million. ABEL is based in Büchen, Germany, with sales and service locations in Madrid, Spain and Pittsburgh, Pennsylvania. ABEL designs and manufactures highly engineered reciprocating positive displacement pumps for a variety of end markets, including mining, marine, power, water, wastewater and other general industries. ABEL will be part of our Pumps platform within the Fluid and Metering Technologies segment. The Company expects to close the transaction by the end of the first quarter 2021 subject to regulatory approval and customary closing conditions.

Item 9. *Changes in and Disagreements with Accountants on Accounting and Financial Disclosure.*

None.

Item 9A. *Controls and Procedures.*

The Company maintains disclosure controls and procedures that are designed to ensure that information required to be disclosed in the Company's Exchange Act reports is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms, and that such information is accumulated and communicated to the Company's management, including its Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure.

As required by SEC Rule 13a-15(b), the Company carried out an evaluation, under the supervision and with the participation of the Company's management, including the Company's Chief Executive Officer and Chief Financial Officer, of the effectiveness of the design and operation of the Company's disclosure controls and procedures as of the end of the period covered by this report. Based on the foregoing, the Company's Chief Executive Officer and Chief Financial Officer concluded that the Company's disclosure controls and procedures were effective as of December 31, 2020.

Management's Report on Internal Control Over Financial Reporting appearing on page 34 of this report is incorporated into this Item 9A by reference.

There has been no change in the Company's internal control over financial reporting during the Company's most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting.

Item 9B. *Other Information.*

None.

PART III

Item 10. *Directors, Executive Officers and Corporate Governance.*

Information under the headings “Election of Directors”; “Board Committees”; and “Corporate Governance” in the 2021 Proxy Statement is incorporated into this Item 10 by reference. Information regarding executive officers of the Company is located in Part I, Item 1, of this report under the caption “Information about Our Executive Officers.”

The Company has adopted a Code of Business Conduct and Ethics applicable to the Company’s directors, officers (including the Company’s principal executive officer, principal financial officer and principal accounting officer) and employees. The Code of Business Conduct and Ethics, along with the Audit Committee Charter, Nominating and Corporate Governance Committee Charter, Compensation Committee Charter and Corporate Governance Guidelines are available on the Company’s website at www.idexcorp.com under “Investor Relations.” In the event we amend or waive any of the provisions of the Code of Business Conduct and Ethics applicable to our principal executive officer, principal financial officer or principal accounting officer, we intend to disclose the same on the Company’s website.

Item 11. *Executive Compensation.*

Information under the heading “Executive Compensation” in the 2021 Proxy Statement is incorporated into this Item 11 by reference.

Item 12. *Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters.*

Information under the heading “Security Ownership” in the 2021 Proxy Statement is incorporated into this Item 12 by reference.

Equity Compensation Plan Information

Information with respect to the Company’s equity compensation plans as of December 31, 2020 is as follows:

<u>Plan Category.</u>	<u>Number of Securities To be Issued Upon Exercise of Outstanding Options, Warrants and Rights</u>	<u>Weighted-Average Exercise Price of Outstanding Options, Warrants and Rights</u>	<u>Number of Securities Remaining Available for Future Issuance Under Equity Compensation Plans⁽¹⁾</u>
Equity compensation plans approved by the Company’s stockholders	1,155,946	\$ 125.70	2,964,307
Equity compensations plans not approved by the Company’s stockholders	—	—	—

(1) Includes an indeterminate number of shares underlying deferred compensation units (“DCUs”) granted under the Directors Deferred Compensation Plan and Deferred Compensation Plan for Non-officer Presidents which are issuable under the Company’s Incentive Award Plan. Also includes an indeterminate number of shares underlying DCUs granted under the Deferred Compensation Plan for Officers, which shares are issuable under the Incentive Award Plan. The number of DCUs granted under these plans is determined by dividing the amount deferred by the closing price of the common stock the day before the date of deferral. The DCUs are entitled to receive dividend equivalents which are reinvested in DCUs based on the same formula for investment of a participant’s deferral.

Item 13. *Certain Relationships and Related Transactions, and Director Independence.*

Information under the headings, “Corporate Governance” and “Board Committees” in the 2021 Proxy Statement is incorporated into this Item 13 by reference.

Item 14. *Principal Accountant Fees and Services.*

Information under the heading “Principal Accountant Fees and Services” in the 2021 Proxy Statement is incorporated into this Item 14 by reference.

PART IV

Item 15. Exhibits and Financial Statement Schedules.

(A) 1. Financial Statements

Consolidated financial statements filed as part of this report are listed under Part II, Item 8. "Financial Statements and Supplementary Data."

2. Financial Statement Schedules

Financial statement schedules are omitted because they are not applicable, not required, or because the required information is included in the Consolidated Financial Statements of the Company or the Notes thereto.

3. Exhibits

The exhibits filed with this report are listed on the "Exhibit Index."

(B) Exhibit Index

The information required by this item is set forth on the "Exhibit Index" which precedes the signature page of this report.

Item 16. Form 10-K Summary.

None.

Exhibit Number	Description
3.1	Restated Certificate of Incorporation of IDEX Corporation as amended to date (incorporated by reference to Exhibit 3.1 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)
3.2	Amended and Restated By-Laws of IDEX Corporation (incorporated by reference to Exhibit No. 3.1 to the Current Report of IDEX Corporation on Form 8-K filed February 1, 2021)
4.1	Indenture between IDEX Corporation and Wells Fargo Bank, National Association, as Trustee, dated as of December 6, 2010 (Debt Securities) (incorporated by reference to Exhibit No. 4.1 to the Current Report of IDEX Corporation on Form 8-K filed December 7, 2010)
4.2	Second Supplemental Indenture between IDEX Corporation and Wells Fargo Bank, National Association, as Trustee, dated as of December 13, 2011 (as to 4.2% Senior Notes due 2021) (incorporated by reference to Exhibit No. 4.1 to the Current Report of IDEX Corporation on Form 8-K filed December 14, 2011)
4.3	Third Supplemental Indenture between IDEX Corporation and Wells Fargo Bank, National Association, as Trustee, dated as of April 29, 2020, (as to 3.0% Senior Notes due 2030) (incorporated by reference to Exhibit No. 4.2 to the Current Report of IDEX Corporation on Form 8-K filed April 29, 2020)
4.4	Note Purchase Agreement, dated June 13, 2016, between IDEX Corporation and the Purchasers listed in Schedule A thereto (incorporated by reference in Exhibit No. 4.1 to the Current Report of IDEX Corporation on Form 8-K filed June 15, 2016)
4.5	Description of Securities (incorporated by reference to Exhibit No. 4.5 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2019)
10.1**	Revised and Restated IDEX Corporation Management Incentive Compensation Plan for Key Employees Effective January 1, 2013 (incorporated by reference to Exhibit 10.2 to the Current Report of IDEX Corporation Form 8-K filed February 20, 2013)
10.2**	IDEX Corporation Form of Director Indemnification Agreement (incorporated by reference to Exhibit 10.2 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)
10.3**	IDEX Corporation Amended and Restated Stock Option Plan for Outside Directors, adopted by resolution of the Board of Directors dated as of November 20, 2003 (incorporated by reference to Exhibit 10.6 (a) to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2003)
10.4**	IDEX Corporation Incentive Award Plan (as amended and restated) (incorporated by reference to Appendix A of the Proxy Statement of IDEX Corporation on Schedule 14A, filed March 5, 2015)
10.5**	Amended and Restated Employment Agreement dated February 22, 2018 between IDEX Corporation and Andrew K. Silvernail (incorporated by reference to Exhibit 10.5 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)
10.6**	Third Amended and Restated IDEX Corporation Directors Deferred Compensation Plan (incorporated by reference to Exhibit No. 10.30 to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2010)
10.7**	IDEX Corporation Supplemental Executive Retirement and Deferred Compensation Plan (incorporated by reference to Exhibit No. 10.31 to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2010)
10.8**	Letter Agreement between IDEX Corporation and Jeffrey Bucklew, dated January 16, 2012 (incorporated by reference to Exhibit No. 10.16 to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2013)
10.9**	Letter Agreements between IDEX Corporation and Eric Ashleman, dated January 14, 2008 and February 12, 2014 (incorporated by reference to Exhibit No. 10.14 to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2014)
10.10**	Form of IDEX Corporation Restricted Stock Award Agreement effective February 2015 (incorporated by reference to Exhibit No. 10.16 to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2014)

Exhibit Number	Description
10.11**	Form of IDEX Corporation Stock Option Agreement effective February 2015 (incorporated by reference to Exhibit No. 10.17 to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2014)
10.12**	Form of IDEX Corporation Restricted Stock Unit Award Agreement effective February 2015 (incorporated by reference to Exhibit No. 10.18 to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2014)
10.13**	Form of IDEX Corporation Restricted Stock Unit Award Agreement - Cash Settled effective February 2015 (incorporated by reference to Exhibit No. 10.19 to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2014)
10.14**	Form of IDEX Corporation Performance Share Unit Award Agreement effective February 2015 (incorporated by reference to Exhibit No. 10.20 to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2014)
10.15**	Form of IDEX Corporation Restricted Stock Unit Agreement for Directors effective February 2015 (incorporated by reference to Exhibit No. 10.21 to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2014)
10.16**	Form of IDEX Corporation Stock Option Agreement effective February 2015 (incorporated by reference to Exhibit No. 10.22 to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2014)
10.17**	Form of IDEX Corporation Restricted Stock Award Agreement effective February 2015 (incorporated by reference to Exhibit No. 10.23 to the Annual Report of IDEX Corporation on Form 10-K for the year ended December 31, 2014)
10.18*,**	Letter Agreement between IDEX Corporation and Eric D. Ashleman, dated January 21, 2021
10.19**	Amendment of Letter Agreement dated January 16, 2012, between IDEX Corporation and Jeffrey D. Bucklew, effective January 12, 2018 (incorporated by reference to Exhibit 10.19 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)
10.20**	Letter Agreement between IDEX Corporation and Denise Cade, dated September 24, 2015 (incorporated by reference to Exhibit No. 10.24 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2015)
10.21	Stock Purchase Agreement, dated February 4, 2016, by and among IDEX Corporation, Premier Farnell PLC, Celdis Limited, Premier Farnell Corp. and Akron Brass Holding Corp. (incorporated by reference to Exhibit No. 10.25 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2015)
10.22**	Letter Agreement between IDEX Corporation and William K. Grogan, dated December 30, 2016 (incorporated by reference to Exhibit 10.22 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2016)
10.23**	Amendment to Letter Agreement dated September 24, 2015, between IDEX Corporation and Denise R. Cade, effective as of April 24, 2017 (incorporated by reference to Exhibit 10.1 to the Quarterly Report on Form 10-Q of IDEX Corporation for the quarter ended March 31, 2017)
10.24**	Amendment to Letter Agreement dated February 12, 2014, between IDEX Corporation and Eric D. Ashleman, effective as of April 24, 2017 (incorporated by reference to Exhibit 10.2 to the Quarterly Report on Form 10-Q of IDEX Corporation for the quarter ended March 31, 2017)
10.25**	Amendment to Letter Agreement dated December 30, 2016, between IDEX Corporation and William K. Grogan, effective as of April 24, 2017 (incorporated by reference to Exhibit 10.3 to the Quarterly Report on Form 10-Q of IDEX Corporation for the quarter ended March 31, 2017)
10.26**	Form of IDEX Corporation Performance Share Unit Award Agreement - Stock Settled, effective February 2018 (incorporated by reference to Exhibit 10.26 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)
10.27**	Form of IDEX Corporation Restricted Stock Award Agreement, effective February 2018 (incorporated by reference to Exhibit 10.27 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)

Exhibit Number	Description
10.28**	Form of IDEX Corporation Restricted Stock Unit Agreement for Directors, effective February 2018 (incorporated by reference to Exhibit 10.28 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)
10.29**	Form of IDEX Corporation Performance Share Unit Award Agreement - Cash Settled, effective February 2018 (incorporated by reference to Exhibit 10.29 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)
10.30**	Form of IDEX Corporation Stock Option Agreement, effective February 2018 (incorporated by reference to Exhibit 10.30 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)
10.31**	Form of IDEX Corporation Stock Option Agreement - Cash Settled, effective February 2018 (incorporated by reference to Exhibit 10.31 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)
10.32**	Form of IDEX Corporation Restricted Stock Unit Award Agreement - Cash Settled, effective February 2018 (incorporated by reference to Exhibit 10.32 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)
10.33**	Form of IDEX Corporation Restricted Stock Unit Award Agreement, effective December 2015 (incorporated by reference to Exhibit 10.33 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)
10.34**	Form of IDEX Corporation Confidential Information, Work Product and Restrictive Covenant Agreement (incorporated by reference to Exhibit 10.34 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2017)
10.35	Credit Agreement, dated as of May 31, 2019, by and among IDEX Corporation and certain of its subsidiaries, as borrowers, Bank of America, N.A., as administrative agent, swing line lender and an issuer of letters of credit; JPMorgan Chase Bank, N.A. and Wells Fargo Bank, National Association, as co-syndication agents and issuers of letters of credit; HSBC Bank USA, National Association, Mizuho Bank, Ltd., PNC Bank, National Association, and U.S. Bank, National Association, as co-documentation agents, and the other lenders and financial institutions party thereto (incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K of IDEX Corporation filed with the SEC on June 4, 2019)
10.36**	IDEX Amended and Restated Non-Employee Director Compensation Policy, effective January 1, 2020 (incorporated by reference to Exhibit 10.35 to the Annual Report of IDEX Corporation on Form 10-K for the fiscal year ended December 31, 2019)
10.37**	Separation Agreement between IDEX Corporation and Andrew K. Silvernail, dated as of October 25, 2020, (incorporated by reference to Exhibit No. 10.1 to the Current Report of IDEX Corporation on Form 8-K filed October 28, 2020)
*21	Subsidiaries of IDEX
*23	Consent of Deloitte & Touche LLP
*31.1	Certification of Chief Executive Officer Pursuant to Rule 13a-14 (a) or Rule 15d-14 (a)
*31.2	Certification of Chief Financial Officer Pursuant to Rule 13a-14 (a) or Rule 15d-14 (a)
***32.1	Certification pursuant to Section 1350 of Chapter 63 of Title 18 of the United States Code
***32.2	Certification pursuant to Section 1350 of Chapter 63 of Title 18 of the United States Code
*,****101	The following materials from IDEX Corporation's Annual Report on Form 10-K for the year ended December 31, 2020 formatted in Inline XBRL (Extensible Business Reporting Language): (i) the Consolidated Balance Sheets at December 31, 2020 and 2019, (ii) the Consolidated Statements of Operations for the three years ended December 31, 2020, (iii) the Consolidated Statements of Comprehensive Income for the three years ended December 31, 2020, (iv) the Consolidated Statements of Equity for the three years ended December 31, 2020, (v) the Consolidated Statements of Cash Flows for the three years ended December 31, 2020, and (vi) Notes to the Consolidated Financial Statements.
*,****104	Cover Page Interactive Data File (Formatted Inline XBRL and contained in Exhibit 101)

* Filed herewith.

** Management contract or compensatory plan or agreement.

*** Furnished herewith.

**** In accordance with Rule 406T of Regulation S-T, the XBRL related information in Exhibits 101 and 104 to this Annual Report on Form 10-K shall not be deemed to be “filed” for purposes of Section 18 of the Exchange Act, or otherwise subject to the liability of that section, and shall not be part of any registration statement or other document filed under the Securities Act or the Exchange Act, except as shall be expressly set forth by specific reference in such filing.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

IDEX CORPORATION

By: /s/ WILLIAM K. GROGAN
William K. Grogan
Senior Vice President and Chief Financial Officer

Date: February 25, 2021

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ ERIC D. ASHLEMAN</u> Eric D. Ashleman	Chief Executive Officer, President and Director (Principal Executive Officer)	February 25, 2021
<u>/s/ WILLIAM K. GROGAN</u> William K. Grogan	Senior Vice President and Chief Financial Officer (Principal Financial Officer)	February 25, 2021
<u>/s/ MICHAEL J. YATES</u> Michael J. Yates	Vice President and Chief Accounting Officer (Principal Accounting Officer)	February 25, 2021
<u>/s/ MARK A. BECK</u> Mark A. Beck	Director	February 25, 2021
<u>/s/ MARK A. BUTHMAN</u> Mark A. Buthman	Director	February 25, 2021
<u>/s/ CARL R. CHRISTENSON</u> Carl R. Christenson	Director	February 25, 2021
<u>/s/ WILLIAM M. COOK</u> William M. Cook	Non-Executive Chairman of the Board and Director	February 25, 2021
<u>/s/ KATRINA L. HELMKAMP</u> Katrina L. Helmkamp	Director	February 25, 2021
<u>/s/ ERNEST J. MROZEK</u> Ernest J. Mrozek	Director	February 25, 2021
<u>/s/ DAVID C. PARRY</u> David C. Parry	Director	February 25, 2021
<u>/s/ LIVINGSTON L. SATTERTHWAITE</u> Livingston L. Satterthwaite	Director	February 25, 2021
<u>/s/ CYNTHIA J. WARNER</u> Cynthia J. Warner	Director	February 25, 2021



EX 10.18

January 21, 2021

Mr. Eric D. Ashleman

Dear Eric:

We are pleased to appoint you to the position of Chief Executive Officer of IDEX Corporation (IDEX or the Company) effective as of December 15, 2020. In connection your appointment you will also be appointed to the Board of Directors of IDEX effective as of December 15, 2020. You will continue to serve as President of IDEX. The following terms apply to your appointment as Chief Executive Officer:

- Your annual base salary will initially be Nine Hundred Thousand Dollars and Zero Cents (\$900,000.00), payable on a biweekly basis. You will be eligible for a review of your salary with consideration for an increase in March 2022.
- While we hope that you have a long and mutually beneficial relationship, your employment is considered “at will” and will not be for any fixed term or definite period and may be terminated by you or IDEX at any time.
- You will remain eligible for participation in our Management Incentive Compensation Plan (MICP), as established each fiscal year, which provides annual incentive earnings opportunity based on business unit and personal performance. Your MICP target level of incentive compensation will be one hundred percent (100%) of your annual base pay in effect at the beginning of the plan year; provided, that for the 2020 plan year, the one hundred percent (100%) MICP target level shall apply only with respect to 2020 annual base pay that you earned during the period you served as Chief Executive Officer in 2020. The actual pay-out under the plan could be more or less than the target level and will depend on IDEX’s performance and your performance.
- Subject to approval from our Board of Directors, you will be eligible for equity grants beginning with the 2021 program cycle in the form of a combination of performance stock units and stock options under the IDEX Incentive Award Plan at our annual grant as established each fiscal year. These annual awards will initially be targeted at a value of Three Million Seven Hundred Dollars and Zero Cents (\$3,700,000.00). Your actual award in any year is dependent upon current program design and your performance. This plan is designed to provide an incentive and reward to key employees who are in a position to make substantial contributions to the success of IDEX.

- The initial price at which the option awards are granted will be the closing price of IDEX common stock on the grant date. Your options may be exercised after they become vested, and for a period of up to ten years from the date they were awarded. Currently, options vest at the rate of 25% per year.
- You will receive a company car allowance of Two Thousand Dollars and Zero Cents (\$2,000.00) per month, paid on a bi-weekly basis.
- You will continue to be eligible for the full range of benefits, including: the IDEX Defined Contribution Retirement Plan, the IDEX 401(k) Savings Plan, medical and dental coverage, short-term and long-term disability coverage, and life insurance. You will continue to be eligible to participate in the Executive Medical Physical Program.
- You will remain eligible to participate in the IDEX Supplemental Executive Retirement and Deferred Compensation Plan. The purpose of the plan is to provide non-qualified retirement compensation benefits above IRS limits and to provide participants with the ability to defer other amounts of compensation.
- You continue to be eligible to participate in the Executive Long-Term Disability program, which provides additional income in the case of total and permanent disability. This program is fully paid by IDEX. You will be issued an individual policy that provides several additional benefits above and beyond the Group LTD plan that is in place for employees.
- In the event of a “Change in Control,” as defined in the Amended and Restated IDEX Corporation Supplemental Executive Retirement Plan, that results in your termination from service within twenty-four (24) months of the Change in Control, the Company shall be obligated to pay your base salary at the rate then in effect and your then current target annual bonus (MICP or equivalent pay) for a minimum of twenty-four (24) months following the date of termination (for a total payment of two (2) times both base salary and target annual bonus). This payment shall not be applicable in the event of your voluntary termination.
- If, in the future, your employment with IDEX is terminated, without cause (“cause” defined as willful misconduct or fraudulent behavior), commencing on the 60th day following your termination of employment IDEX will pay you twelve (12) months base salary at the then current monthly base rate plus your targeted annual incentive bonus in substantially equal installments in accordance with IDEX’s payroll practices, in exchange for you signing, and not revoking, an IDEX-standard Severance & General Release Agreement within 60 days following the date of your termination of employment. These payments are subject to tax withholdings and deductions. Such benefit will not be applicable in the event of your voluntary termination.

You remain subject to the Confidentiality Information, Work Product and Restrictive Covenant Agreement that you signed in February 17, 2017. Finally, this letter is subject to the attached Internal Revenue Code Section 409A Addendum.

This offer letter constitutes the entire agreement with respect to the subject matter contained herein and supersedes all prior understandings and agreements, both written and oral, with respect to your employment, including without limitation any prior offer letter agreements (and amendments thereto) between you and IDEX.

We are confident that your leadership skills and experience can make a significant contribution to the success of IDEX.
Sincerely,

/s/ Tony L. Satterthwaite
Tony L. Satterthwaite

Chair, Compensation Committee of Board of Directors

Accepted,

/s/ Eric D. Ashleman
Eric D. Ashleman

SUBSIDIARIES OF IDEX CORPORATION

SUBSIDIARY	JURISDICTION OF INCORPORATION
ADS Environmental Services Pty Limited	Australia
Fast and Fluid Management Australia Pty., Ltd.	Australia
IDEX Holdings GmbH	Austria
iPEK Spezial TV GmbH	Austria
BarbIDEX International SRL	Barbados
Toptech Systems NV	Belgium
IDEX do Brasil Servicos e Vendas Ltda.	Brazil
ADS Environmental Technologies Inc.	Canada
Fluid Management Canada Inc.	Canada
Knight (Canada) Limited	Canada
Quadro Engineering Corp.	Canada
Viking Pump of Canada, Inc.	Canada
IDEX Dinglee Technology (Tianjin) Co., Ltd.	China
IDEX Technology (Suzhou) Co., Ltd.	China
IDEX Trading (Shanghai) Co., Ltd	China
Richter EP (Nanjing) Co. Ltd.	China
Roplan Machinery (Ningbo) Co., Ltd.	China
Roplan Sales (Ningbo) Co., Ltd.	China
SFC KOENIG Flow Control (Suzhou) Co. Limited	China
ADS Corp.	Delaware, USA
ADS LLC	Delaware, USA
Advanced Thin Films, Inc.	Delaware, USA
Akron Brass Company	Delaware, USA
Band-It-IDEX, Inc.	Delaware, USA
Corken, Inc.	Delaware, USA
CVI Laser, LLC	Delaware, USA
Flow Management Devices, LLC	Delaware, USA
FMD Distribution and Service, LLC	Delaware, USA
FMD Fabrication Services, LLC	Delaware, USA
Fluid Management Operations LLC	Delaware, USA
Fluid Management, Inc.	Delaware, USA
FM Delaware, Inc.	Delaware, USA
FM Investment, Inc.	Delaware, USA
Hale Products, Inc.	Delaware, USA
IDEX Health & Science LLC	Delaware, USA
IDEX Holdings, Inc.	Delaware, USA
IDEX MPT Inc.	Delaware, USA
IDEX Service Corp.	Delaware, USA
Knight LLC	Delaware, USA
Knight, Inc.	Delaware, USA
Liquid Controls LLC	Delaware, USA
Microfluidics International Corporation	Delaware, USA

SUBSIDIARY**JURISDICTION OF INCORPORATION**

Micropump, Inc.	Delaware, USA
Nova Technologies Corporation	Delaware, USA
Oil & Gas Process Solutions, LLC	Delaware, USA
Project Gold Acquisition Corp.	Delaware, USA
Pulsafeeder, Inc.	Delaware, USA
Richter Pumps & Valves Inc.	Delaware, USA
RV Acquisition Corp.	Delaware, USA
SFC Koenig LLC	Delaware, USA
Viking Pump, Inc.	Delaware, USA
Warren Rupp, Inc.	Delaware, USA
Toptech Systems, Inc.	Florida, USA
IDEX SAS	France
AWG Fittings GmbH	Germany
IDEX Europe GmbH	Germany
IDEX Leasing GmbH	Germany
iPEK International GmbH	Germany
LUKAS Hydraulik GmbH	Germany
Melles Griot GmbH	Germany
PP AWG GmbH	Germany
Richter Chemie-Technik GmbH	Germany
Roplan GmbH	Germany
SFC Koenig Beteiligungs GmbH	Germany
SFC Koenig GmbH	Germany
thinXXS Microtechnology AG	Germany
Vetter GmbH	Germany
KVT-Koenig Holding Limited	Hong Kong
IDEX Sourcing Corporation	Illinois, USA
IDEX India Private Limited	India
Banjo Corporation	Indiana, USA
IDEX Pump Technologies (Ireland) Limited	Ireland
Alfa Valvole S.r.l.	Italy
Banjo Europe S.r.l.	Italy
FAST & Fluid Management S.r.l.	Italy
IDEX Italy S.r.l.	Italy
Novotema S.p.A	Italy
OBL Srl	Italy
S.A.M.P.I. S.p.A.	Italy
IDEX Health & Science KK	Japan
IDEX Japan GK	Japan
IDEX Korea, Ltd	Korea
AEGIS Flow Technologies, L.L.C.	Louisiana, USA
IDEX Mexico S.A. de C.V.	Mexico
Gast Manufacturing, Inc.	Michigan, USA
Fast & Fluid Management B.V.	Netherlands
Melles Griot B.V.	Netherlands
Hurst Jaws of Life, Inc.	Pennsylvania, USA

SUBSIDIARY**JURISDICTION OF INCORPORATION**

Fast & Fluid Management Eastern Europe Sp. Z O.O.	Poland
PPE International LLC	Saudi Arabia
Band-It Clamps (Asia) Pte., Ltd.	Singapore
IDEX Asia Pacific Pte. Ltd.	Singapore
Velcora Holding AB	Sweden
Roplan Holding AB	Sweden
Roplan Sales AB	Sweden
Roplan AB	Sweden
Steridose Sales AB	Sweden
Roplan Machining AB	Sweden
Roplan Trading AB	Sweden
SFC Koenig AG	Switzerland
XAM Swiss Holding I GmbH	Switzerland
PPE, LLC	Texas, USA
IDEX Middle East FZE	United Arab Emirates
Band-It Company Limited	United Kingdom
CVI Laser Limited	United Kingdom
FTL Seals Technology Limited	United Kingdom
Gast Group Ltd	United Kingdom
Godiva Limited	United Kingdom
Godiva Products Limited	United Kingdom
Hale Products Europe Limited	United Kingdom
IDEX UK Investment Ltd	United Kingdom
IDEX UK Ltd.	United Kingdom
Knight UK Ltd	United Kingdom
Matcon (R&D) Limited	United Kingdom
Matcon Group Limited	United Kingdom
Matcon Limited	United Kingdom
Precision Polymer Engineering Limited	United Kingdom
Roplan Ltd	United Kingdom
Seals Limited	United Kingdom
Wright Flow Technologies Limited	United Kingdom
Trebor International, Inc.	Utah, USA
Roplan Sales Inc.	Wisconsin, USA

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in Registration Statement Nos. 333-102882, 333-104768, 333-70450, 333-70452, 333-123558, 333-150142, 333-166981, and 333-205935 on Form S-8 and Registration Statement No. 333-237847 on Form S-3 of our reports dated February 25, 2021, relating to the consolidated financial statements of IDEX Corporation and subsidiaries (the “Company”), and the effectiveness of the Company's internal control over financial reporting, appearing in this Annual Report on Form 10-K of IDEX Corporation for the year ended December 31, 2020.

/s/ DELOITTE & TOUCHE LLP

Chicago, Illinois
February 25, 2021

Certification of Chief Executive Officer Pursuant to Section 302 of the Sarbanes Oxley Act of 2002

I, Eric D. Ashleman, certify that:

1. I have reviewed this annual report on Form 10-K of IDEX Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and we have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent function):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

February 25, 2021

/s/ ERIC D. ASHLEMAN

Eric D. Ashleman

Chief Executive Officer and President

Certification of Chief Financial Officer Pursuant to Section 302 of the Sarbanes Oxley Act of 2002

I, William K. Grogan, certify that:

1. I have reviewed this annual report on Form 10-K of IDEX Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and we have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent function):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

February 25, 2021

/s/ WILLIAM K. GROGAN

William K. Grogan

Senior Vice President and Chief Financial Officer

Certification of Chief Executive Officer

Pursuant to 18 U.S.C. § 1350, as created by Section 906 of the Sarbanes-Oxley Act of 2002, the undersigned officer of IDEX Corporation (the “Company”) hereby certifies, to such officer's knowledge, that:

(i) the accompanying Annual Report on Form 10-K of the Company for the annual period ended December 31, 2020 (the “Report”) fully complies with the requirements of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934, as amended; and

(ii) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

February 25, 2021

/s/ ERIC D. ASHLEMAN

Eric D. Ashleman

Chief Executive Officer and President

Certification of Chief Financial Officer

Pursuant to 18 U.S.C. § 1350, as created by Section 906 of the Sarbanes-Oxley Act of 2002, the undersigned officer of IDEX Corporation (the “Company”) hereby certifies, to such officer's knowledge, that:

(i) the accompanying Annual Report on Form 10-K of the Company for the annual period ended December 31, 2020 (the “Report”) fully complies with the requirements of Section 13(a) or Section 15(d), as applicable, of the Securities Exchange Act of 1934, as amended; and

(ii) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

February 25, 2021

/s/ WILLIAM K. GROGAN

William K. Grogan

Senior Vice President and Chief Financial Officer