

Allegheny Technologies Incorporated manufactures and sells specialty materials and components worldwide. The company operates in two segments: High Performance Materials & Components (HPMC) and Advanced Alloys & Solutions (AA&S). The HPMC segment produces various materials, including titanium and titanium-based alloys, nickel- and cobalt-based alloys and superalloys, advanced powder alloys and other specialty materials, in long product forms, such as ingot, billet, bar, rod, wire, shapes and rectangles, and seamless tubes, as well as precision forgings, components, and machined parts. The segment serves aerospace and defense, medical, and energy markets. The AA&S segment produces zirconium and related alloys, including hafnium and niobium, nickel-based alloys, titanium and titanium-based alloys, and specialty alloys in a variety of forms, such as plate, shoot, and procision related strip.



Arconic Corporation manufactures and sells aluminum sheets, plates, extrusions, and architectural products in the United States, Canada, China, France, Germany, Hungary, Russia, the United Kingdom, and internationally. It operates through three segments: Rolled Products, Building and Construction Systems, and Extrusions. The Rolled Products segment provides a range of aluminum sheet and plate products for ground transportation, aerospace, industrial, and packaging markets; and roofing, architectural composite panels, ventilated facades and ceiling panels, spacers, culvert pipes, and gutters for building and construction markets. The Building and Construction Systems segment provides various products and building envelope solutions, such as entrances, curtain walls, windows, composite panels, and coil coated sheets for fabricators and glazing subcontractors under the Kawpoor, Poynobord, and Poynolus,



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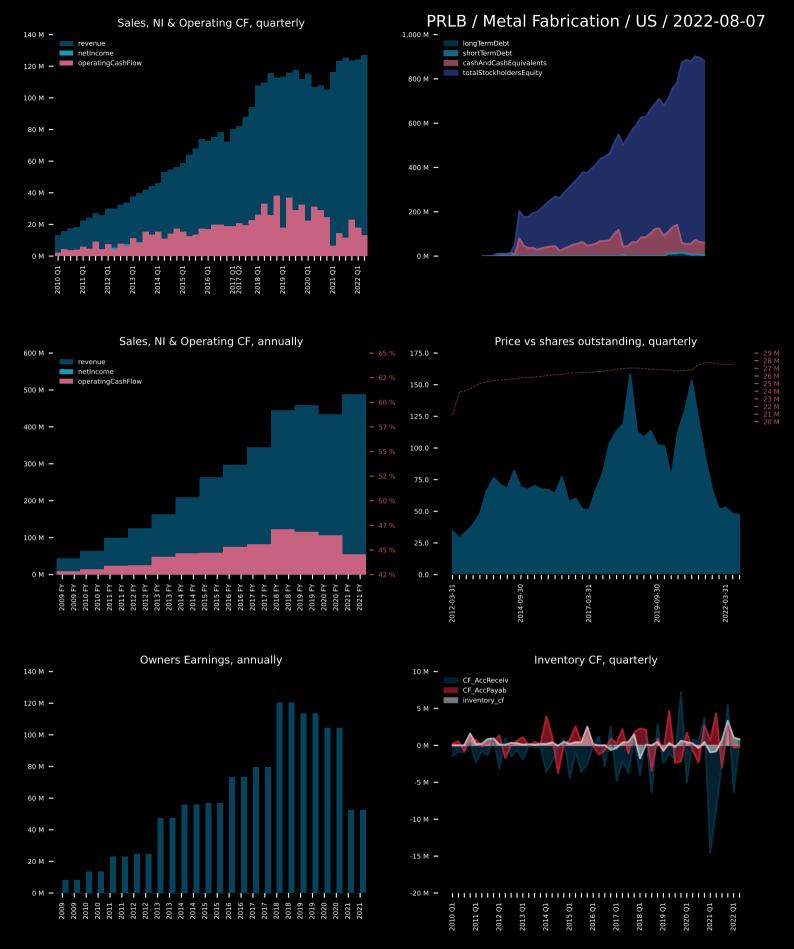
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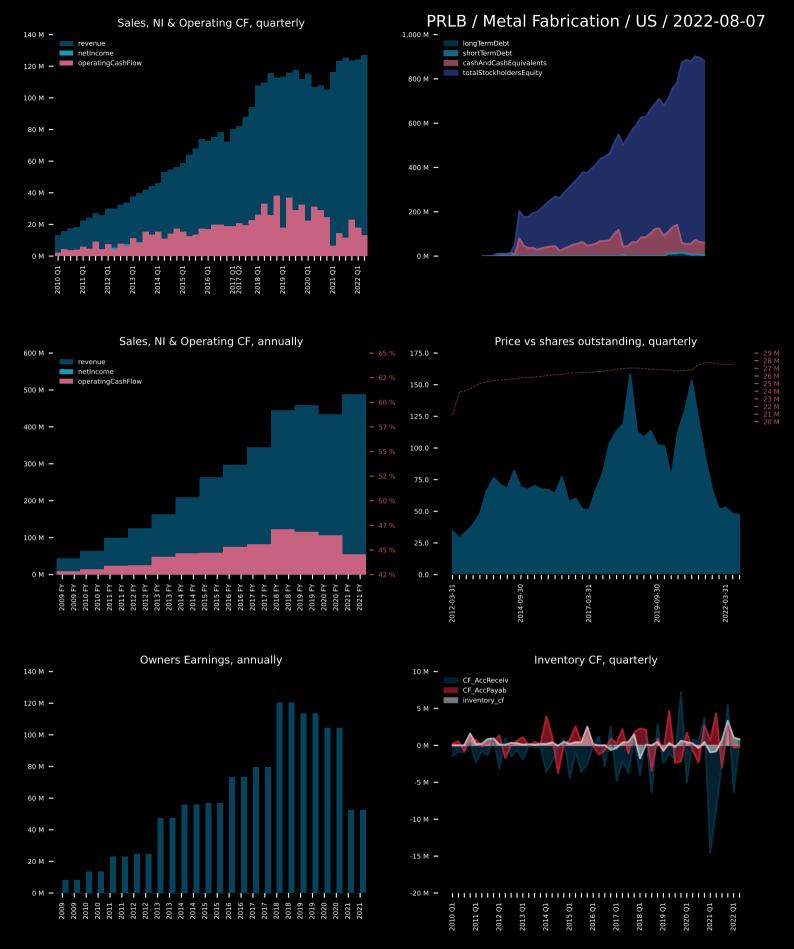
Mueller Industries, Inc. manufactures and sells copper, brass, aluminum, and plastic products in the United States, the United Kingdom, Canada, South Korea, the Middle East, China, and Mexico. It operates through three segments: Piping Systems, Industrial Metals, and Climate. The Piping Systems segment offers copper tubes, fittings, line sets, and pipe nipples; PEX plumbing and radiant systems; and plumbing-related fittings and plastic injection tooling. It also resells steel pipes, brass and plastic plumbing valves, malleable iron fittings and faucets, and plumbing specialties; and supplies water tubes. This segment sells its products to wholesalers in the plumbing and refrigeration markets, distributors to the manufactured housing and recreational vehicle industries, building material retailers, and air-conditioning original equipment



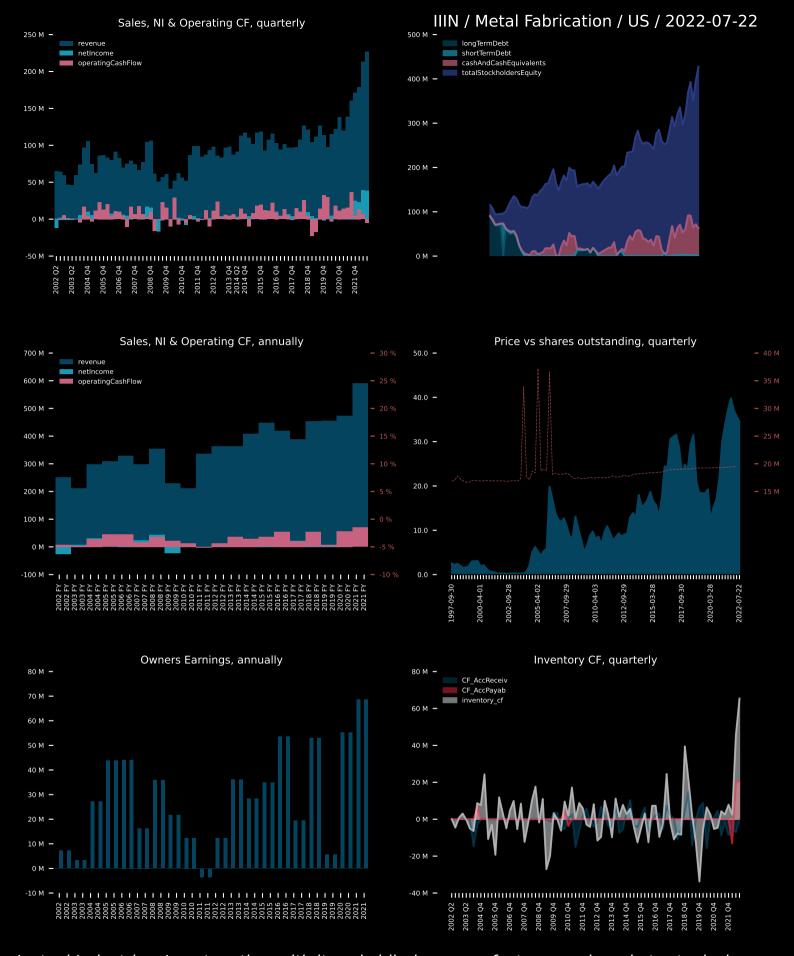
Ryerson Holding Corporation, together with its subsidiaries, processes and distributes industrial metals in the United States, Canada, Mexico, and China. It offers a line of products in carbon steel, stainless steel, alloy steels, and aluminum, as well as nickel and red metals in various shapes and forms, including coils, sheets, rounds, hexagons, square and flat bars, plates, structural, and tubing. The company also provides various processing services, such as bending, beveling, blanking, blasting, burning, cutting-to-length, drilling, embossing, flattening, forming, grinding, laser cutting, machining, notching, painting, perforating, polishing, punching, rolling, sawing, scribing, shearing, slitting, stamping, tapping, threading, welding, or other techniques to process materials. It serves various industries, including commercial ground transportation, metal fabrication and machine shorts industrial machinery and equipment manufacturing.



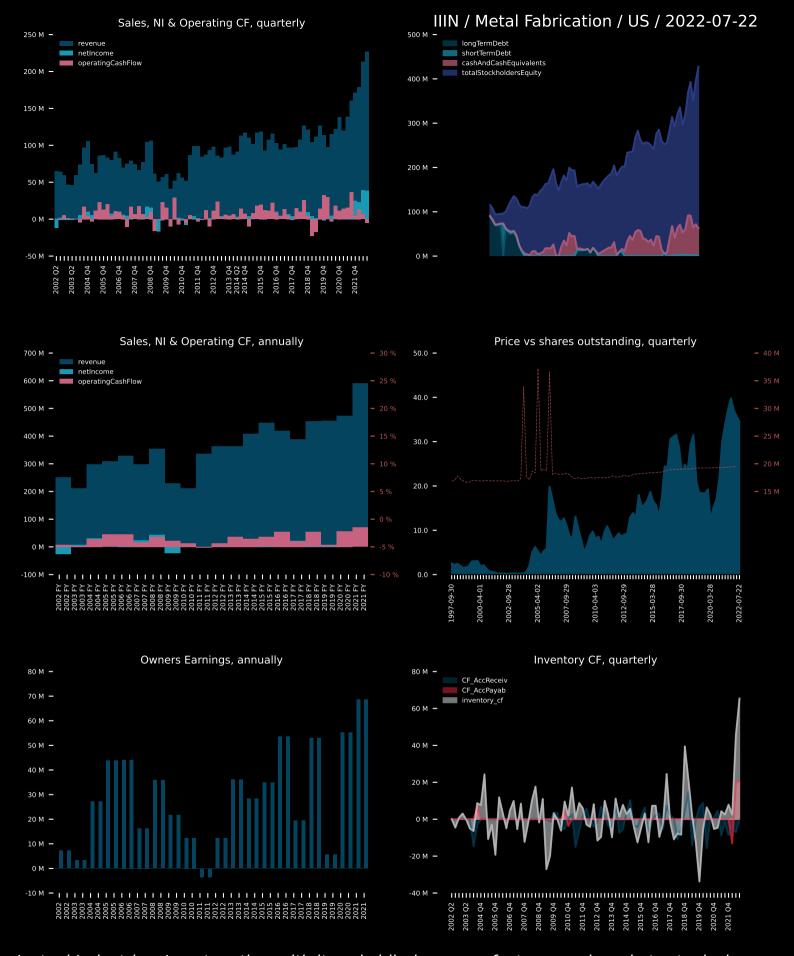
Proto Labs, Inc., together with its subsidiaries, operates as an e-commerce driven digital manufacturer of custom prototypes and on-demand production parts in the worldwide. The company offers injection molding; computer numerical control machining; three-dimensional (3D) printing, which include stereolithography, selective laser sintering, direct metal laser sintering, multi jet fusion, polyjet, and carbon DLS processes; and sheet metal fabrication products, including quick-turn and e-commerce-enabled custom sheet metal parts. It serves developers and engineers, who use 3D computer-aided design software to design products across a range of end markets. The company was incorporated in 1999 and is headquartered in Maple Plain, Minnesota.



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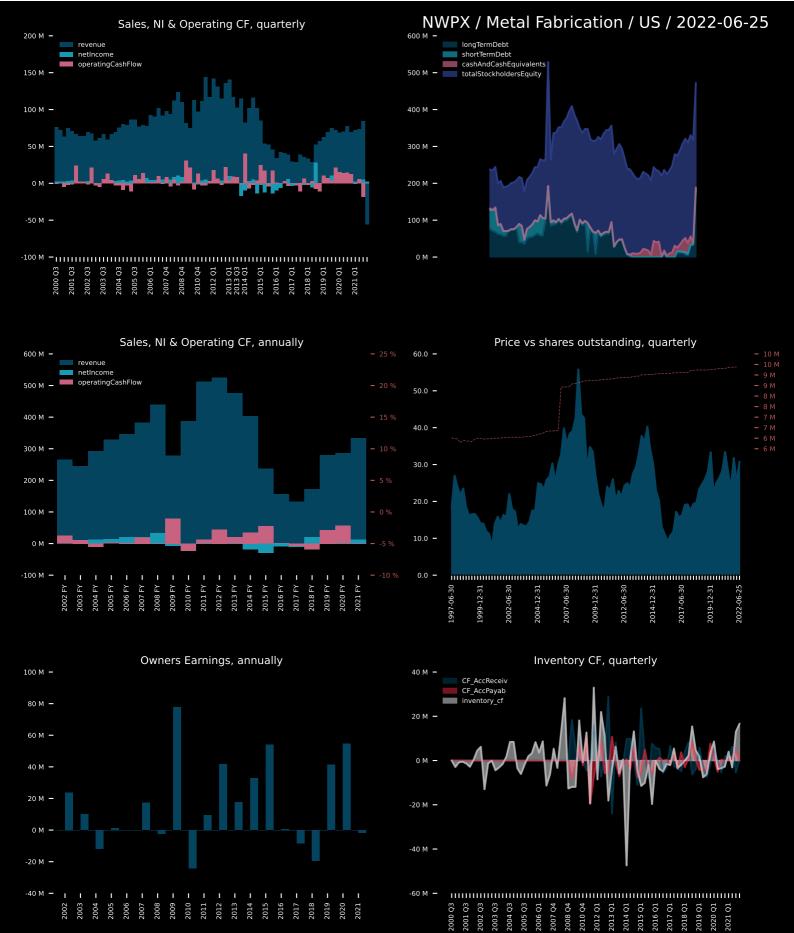
Insteel Industries, Inc., together with its subsidiaries, manufactures and markets steel wire reinforcing products for concrete construction applications. The company offers prestressed concrete strand (PC strand) and welded wire reinforcement (WWR) products. Its PC strand is a seven-wire strand that is used to impart compression forces into precast concrete elements and structures providing reinforcement for bridges, parking decks, buildings, and other concrete structures. The company's WWR engineered reinforcing product is used in nonresidential and residential construction. It produces a range of WWR products, such as engineered structural mesh, an engineered made-to-order product that is used as the primary reinforcement for concrete elements or structures serving as a reinforcing solution for hot-rolled rebar; concrete



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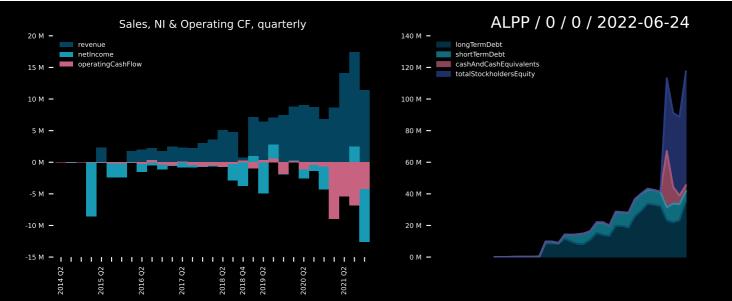
Haynes International, Inc. develops, manufactures, markets, and distributes nickel and cobalt-based alloys in sheet, coil, and plate forms in the United States, Europe, Asia, and internationally. The company offers high-temperature resistant alloys (HTA) and corrosion-resistant alloys (CRA). Its HTA products are used by manufacturers of equipment, including jet engines for the aerospace market; gas turbine engines for power generation; and industrial heating equipment. The company's CRA products are used in various applications, including chemical processing, power plant emissions control, and hazardous waste treatment. Its products also have applications in flue-gas desulfurization, oil and gas, waste incineration, industrial heat treating, automotive, sensors and instrumentation, biopharmaceuticals, solar, and puclear fuel. In addition, the company produces products as soamless and wolded tubulars.

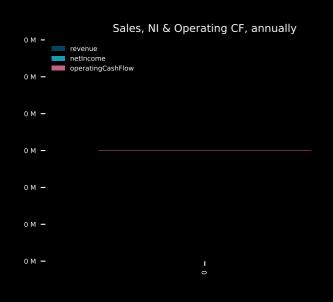


Northwest Pipe Company, together with its subsidiaries, manufactures and supplies water related infrastructure products in North America. It operates in two segments, Engineered Steel Pressure Pipe (SPP) and Precast Infrastructure and Engineered Systems (Precast). The SPP segment offers large-diameter, high-pressure steel pipeline systems for use in water infrastructure applications, which are primarily related to drinking water systems. Its products are also used for hydroelectric power systems, wastewater systems, and other applications. In addition, this segment makes products for industrial plant piping systems and certain structural applications. The Precast segment provides precast and reinforced concrete products, including manholes, box culverts, vaults, catch basins, oil water separators, pump lift stations, biofiltration, and other opvironmental and engineered solutions. The company solls its water



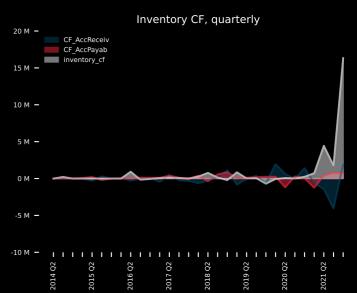
Tredegar Corporation, through its subsidiaries, manufactures and sells aluminum extrusions, polyethylene (PE) films, and polyester films in the United States and internationally. It operates through three segments: Aluminum Extrusions, PE Films, and Flexible Packaging Films. The Aluminum Extrusions segment produces soft-alloy and medium-strength custom fabricated and finished aluminum extrusions for the building and construction, automotive and transportation, consumer durables, machinery and equipment, electrical and renewable energy, and distribution markets; and manufactures mill, anodized, and painted and fabricated aluminum extrusions to fabricators and distributors. The PE Films segment offers single- and multi-layer surface protection films for protecting components of flat panel displays that are used in

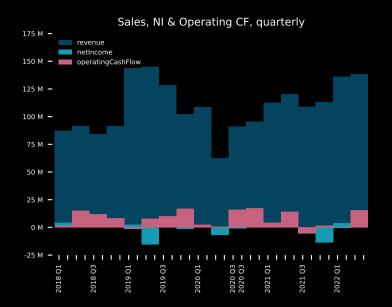


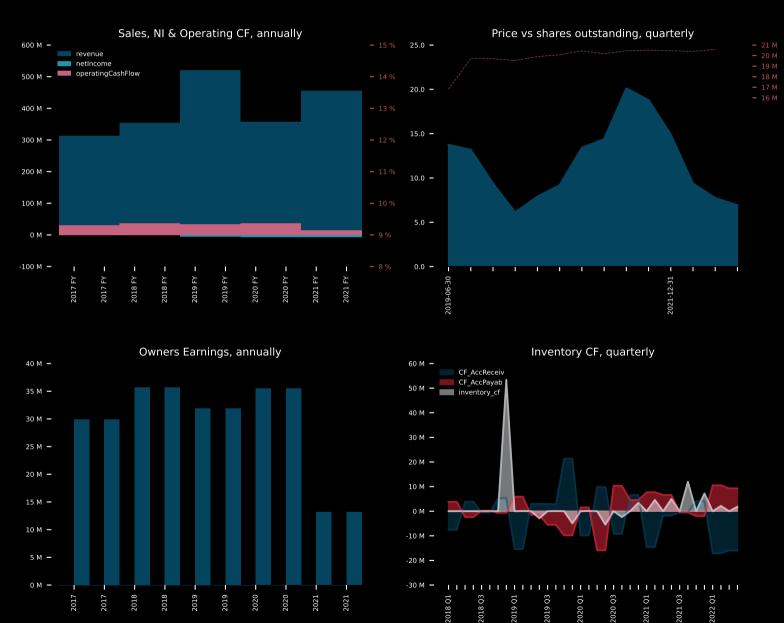




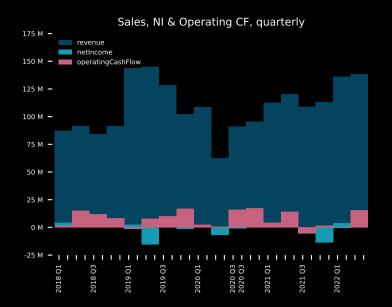


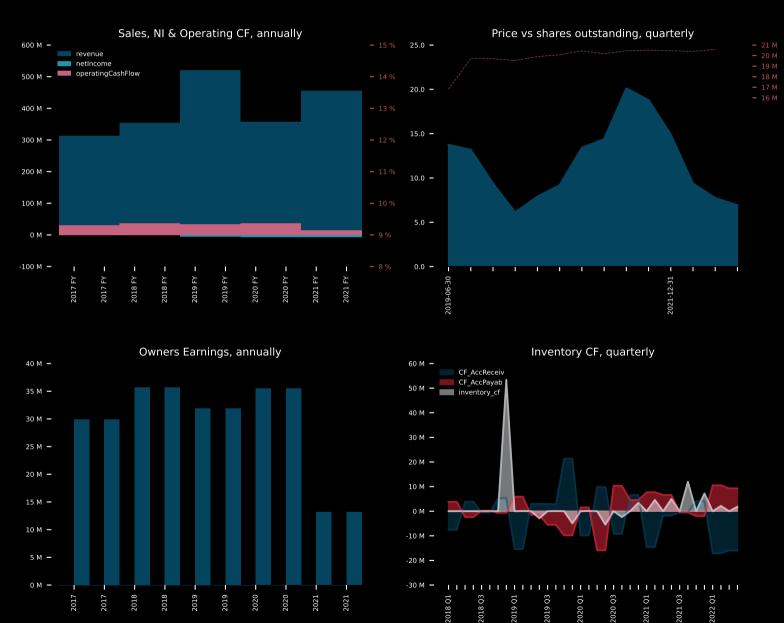






Mayville Engineering Company, Inc., together with its subsidiaries, operates as a contract manufacturer that serves the heavy and medium duty commercial vehicle, construction and access equipment, powersports, agriculture, military, and other end markets in the United States. The company provides a range of prototyping and tooling, production fabrication, coating, assembly, and aftermarket components. It also supplies engineered components to original equipment manufacturers. The company was founded in 1945 and is headquartered in Mayville, Wisconsin.





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Adval Tech Holding AG manufactures metal components and subassemblies, and plastic components worldwide. The company offers stamped and formed series parts and subassemblies for the automotive industry, which include rotationally symmetrical parts, such as components for airbags, ABS braking systems, and fuel injection systems; steering system subassemblies, roof rack systems, and decor parts; structural components and composite components from metal and plastic elements comprising door sill plates; lighting systems; and fuel management systems. It also supplies plastic components to automotive manufacturers, including air-water separation systems, airflow elements, air guidance systems, and seatbelt buckles, as well as produces plastic parts, assemblies, and systems for the household appliance

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2007

2009



ARC Group Worldwide, Inc. provides metal injection molding components in the United States and internationally. The company also offers plastic injection molding and tooling products. It serves aerospace, automotive, defense, medical, and other industries. The company was founded in 1987 and is based in Deland, Florida.



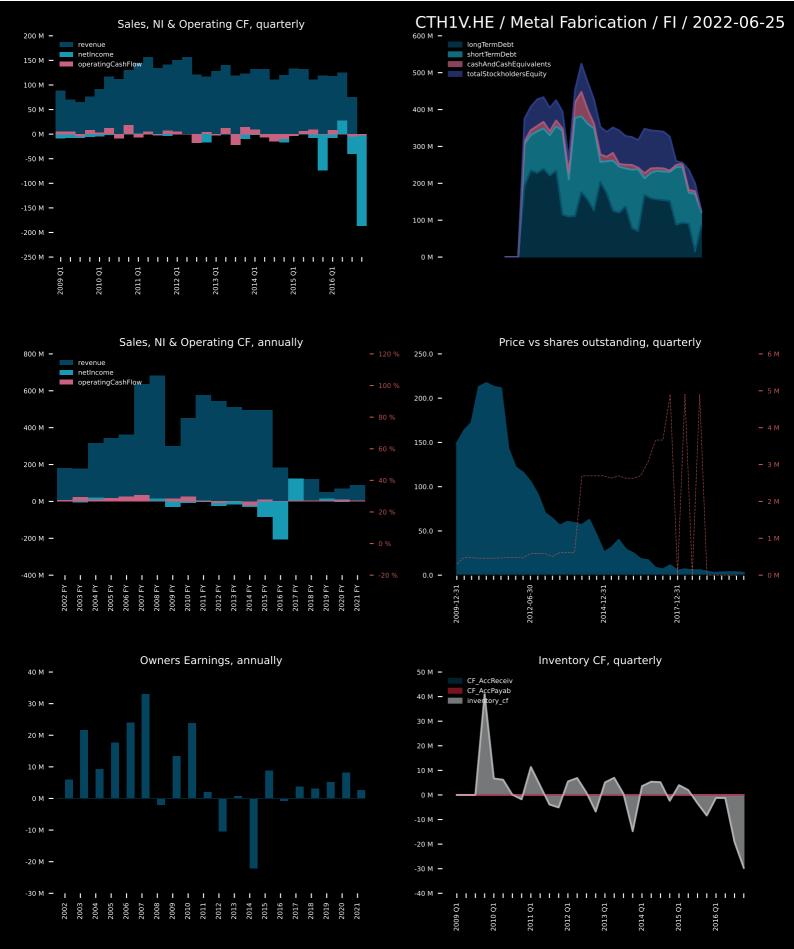
TechPrecision Corporation, together with its subsidiaries, manufactures and sells precision, fabricated, and machined metal structural components and systems primarily in the United States. It offers custom components for ships, submarines and helicopters, aerospace equipment, components for nuclear power plants, and components for medical systems. The company also provides support services to its manufacturing capabilities, including manufacturing engineering, quality control, materials procurement, production control, and final assembly. Its finished products are used in a variety of markets, including defense, aerospace, nuclear, medical, and precision industrial. The company was founded in 1956 and is headquartered in Westminster, Massachusetts.



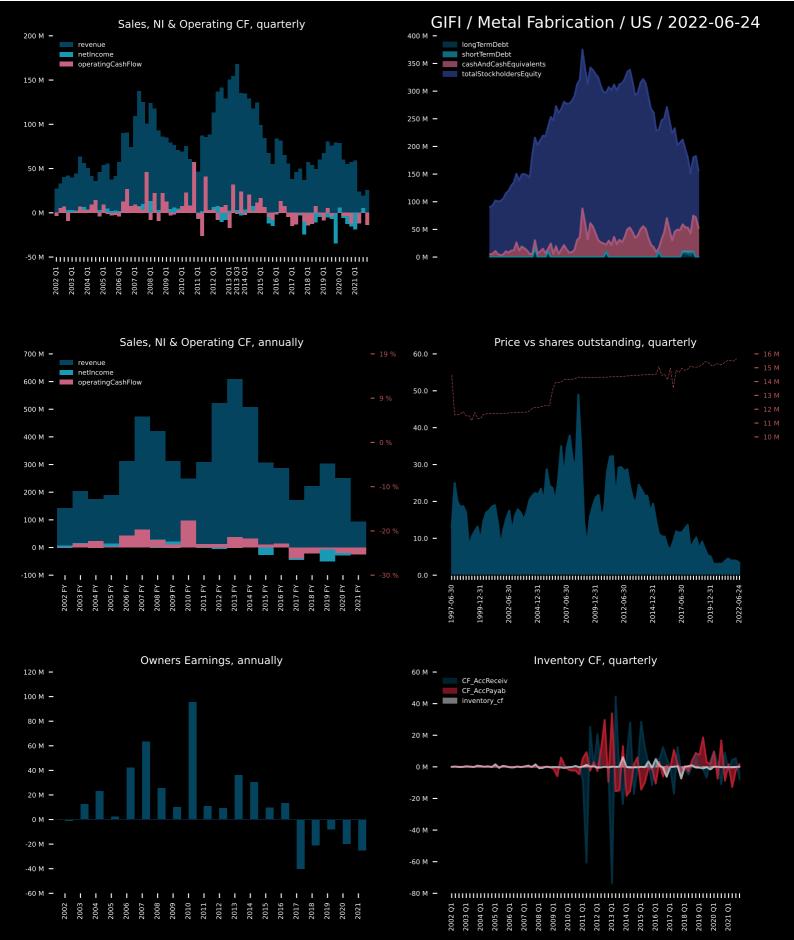
SG Blocks, Inc. designs and modifies code-engineered cargo shipping containers and purpose-built modules for commercial, industrial, and residential building construction in the United States. The company redesigns, repurposes, and convert heavy-gauge steel cargo shipping containers into SGBlocks, which are green building blocks for construction. It serves architects, landowners, builders, and developers. SG Blocks, Inc. was founded in 2007 and is headquartered in Jacksonville, Florida.



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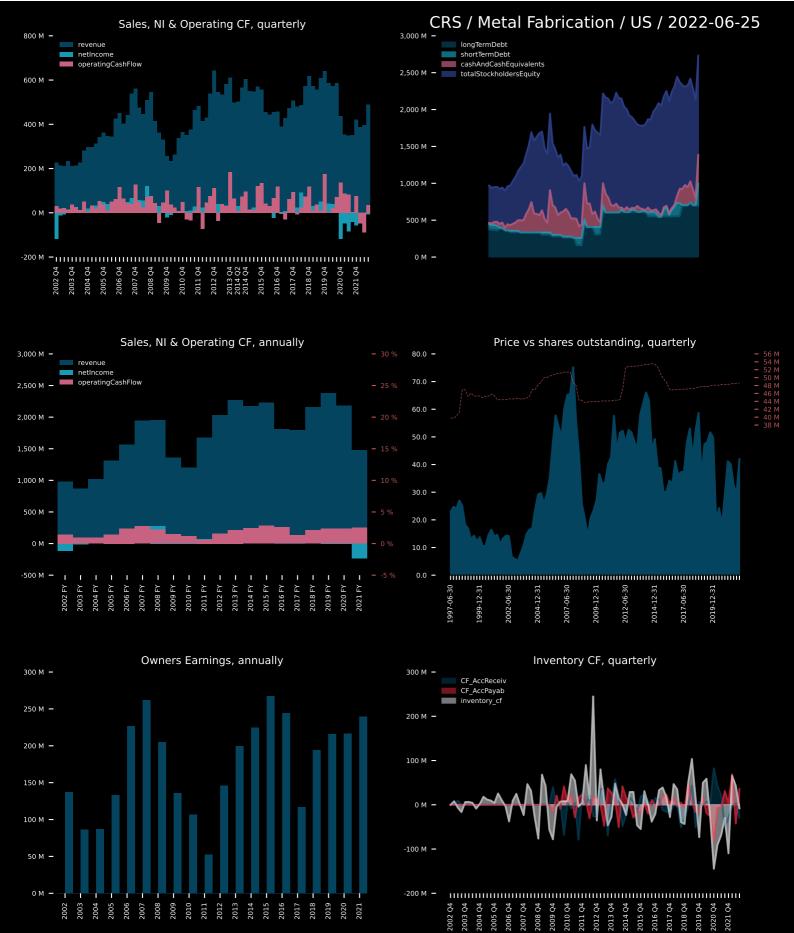
Componenta Corporation, together with its subsidiaries, provides cast iron components in Sweden, Finland, Benelux countries, Germany, other European countries, and internationally. The company offers non-machined, machined, and painted iron cast components, as well as leases office spaces and industrial premises. It primarily serves machine building, agricultural machinery, forestry machines, energy, defense, and other industries. The company was founded in 1918 and is headquartered in Vantaa, Finland.



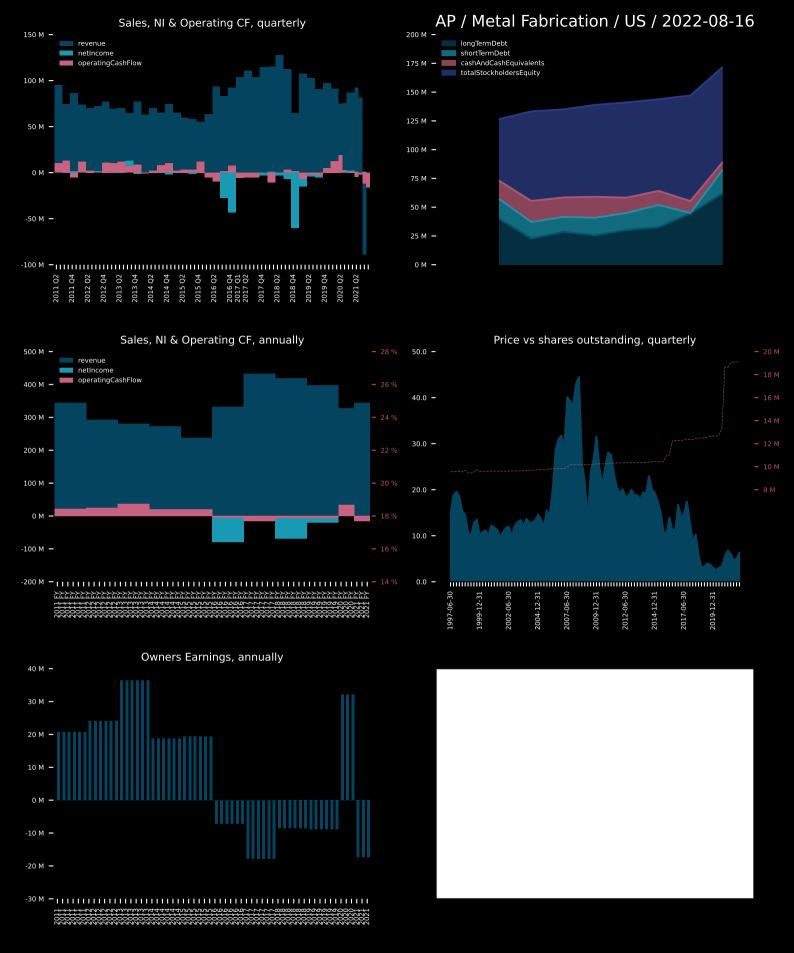
Gulf Island Fabrication, Inc., together with its subsidiaries, operates as a fabricator of steel structures and modules in the United States. The company fabricates modules, skids, and piping systems for onshore refining, petrochemical, liquified natural gas (LNG), industrial, and offshore facilities; foundations, secondary steel components, and support structures for alternative energy developments and coastal mooring facilities; offshore production platforms and associated structures, including jacket foundations, piles, and topsides for fixed production and utility platforms, as well as hulls and topsides for floating production and utility platforms; and other complex steel structures and components. It also provides services on offshore platforms, including maintenance, repair, construction, and other services required to connect production



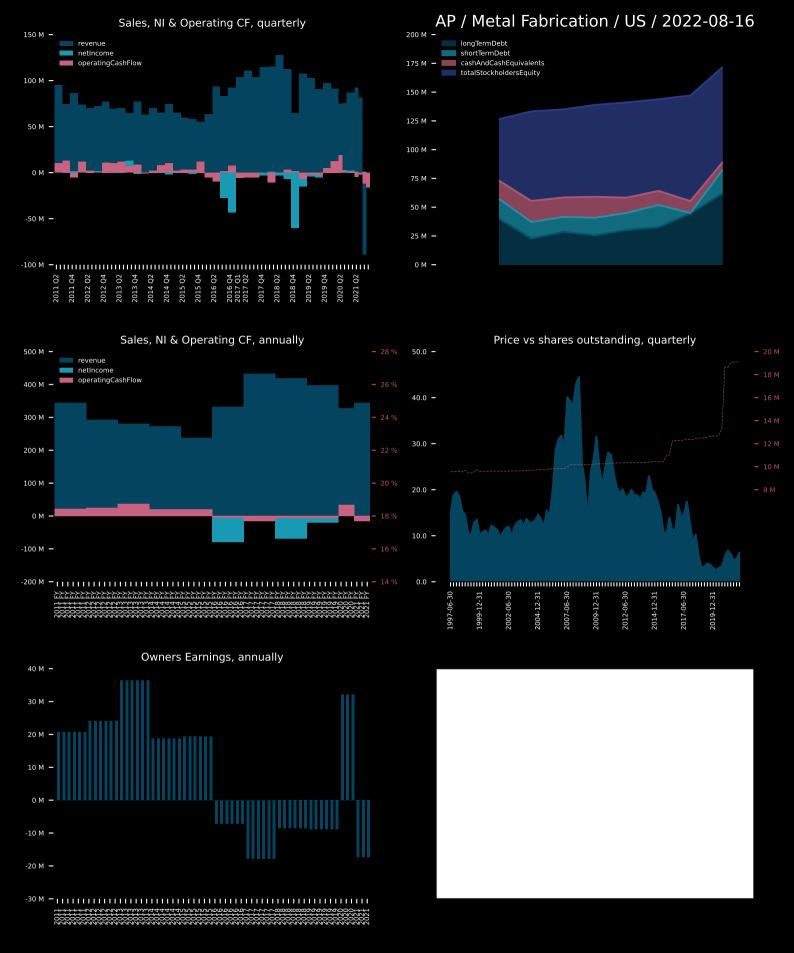
Liquidmetal Technologies, Inc., a materials technology company, designs, develops, and sells products and parts from bulk amorphous alloys to customers in various industries in the United States and internationally. It provides bulk amorphous alloy custom products and parts for applications, which include non-consumer electronic devices, medical products, automotive components, and sports and leisure goods. The company also offers tooling and prototype parts, such as demonstration parts and test samples for customers with products in development; and product licensing and royalty. In addition, it partners with third-party manufacturers and licensees to develop and commercialize liquidmetal alloy products. The company was incorporated in 1987 and is based in Lake Forest, California.



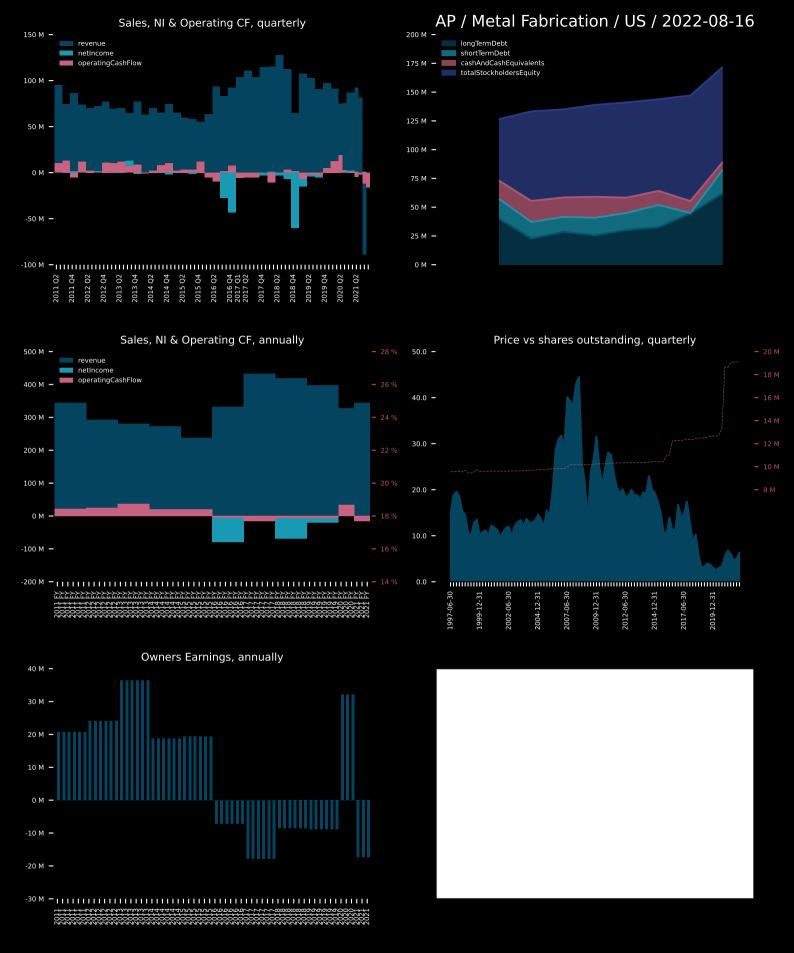
Carpenter Technology Corporation manufactures, fabricates, and distributes specialty metals worldwide. It operates through two segments, Specialty Alloys Operations and Performance Engineered Products. The company offers specialty alloys, including titanium alloys, powder metals, stainless steels, alloy steels, and tool steels, as well as additives, and metal powders and parts. It serves aerospace, defense, medical, transportation, energy, industrial, and consumer markets. The company was founded in 1889 and is headquartered in Philadelphia, Pennsylvania.



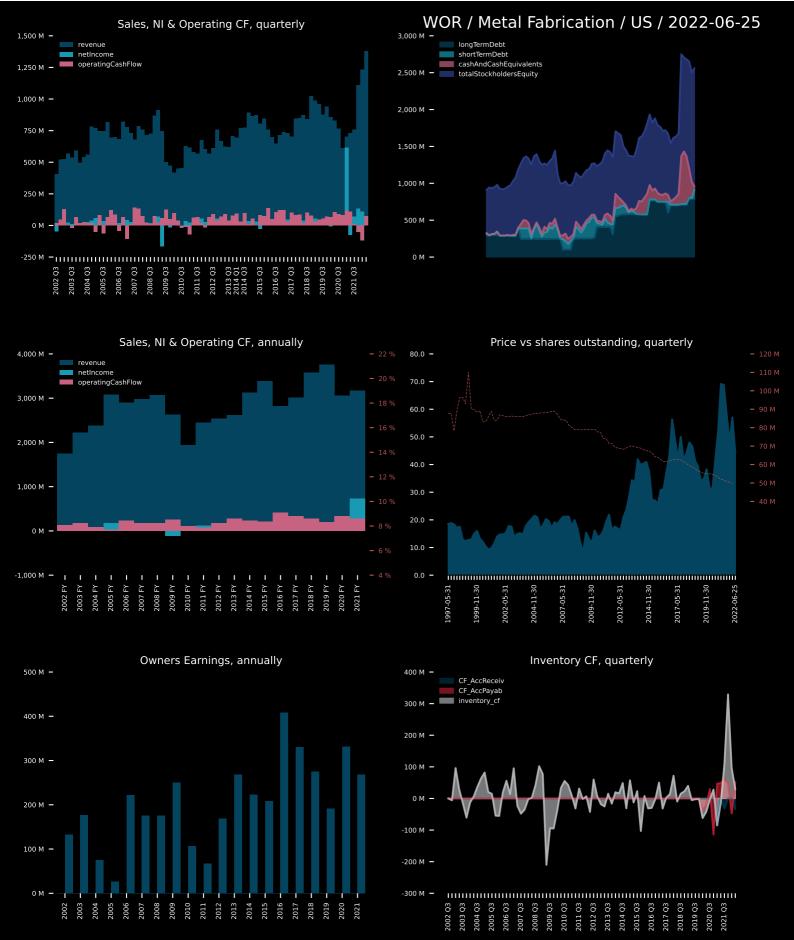
Ampco-Pittsburgh Corporation, together with its subsidiaries, engages in manufacture and sale of specialty metal products and customized equipment to commercial and industrial users worldwide. It operates in two segments, Forged and Cast Engineered Products (FCEG); and Air and Liquid Processing. The FCEG segment produces forged hardened steel rolls that are used in cold rolling mills by producers of steel, aluminum, and other metals; cast rolls for hot and cold strip, medium/heavy section, hot strip finishing, roughing, and plate mills in various iron and steel qualities; and forged engineered products for use in the steel distribution, oil and gas, and aluminum and plastic extrusion industries. This segment also offers forged rolls for cluster and Z-Hi mills; work rolls for narrow and wide strip and aluminum mills; back-up rolls for narrow strip



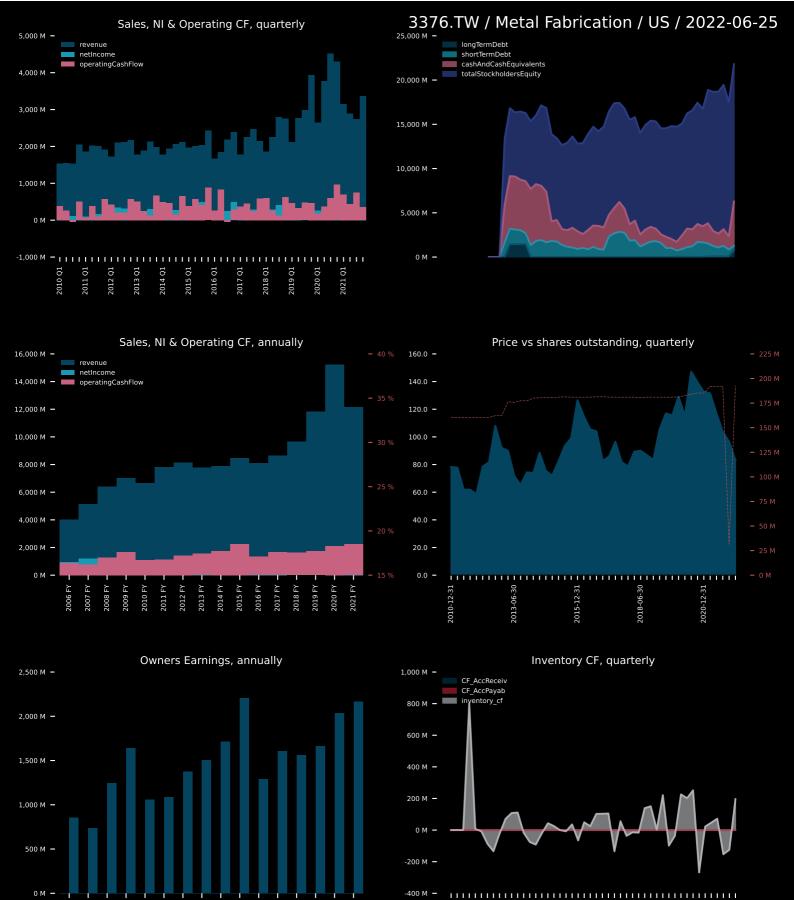
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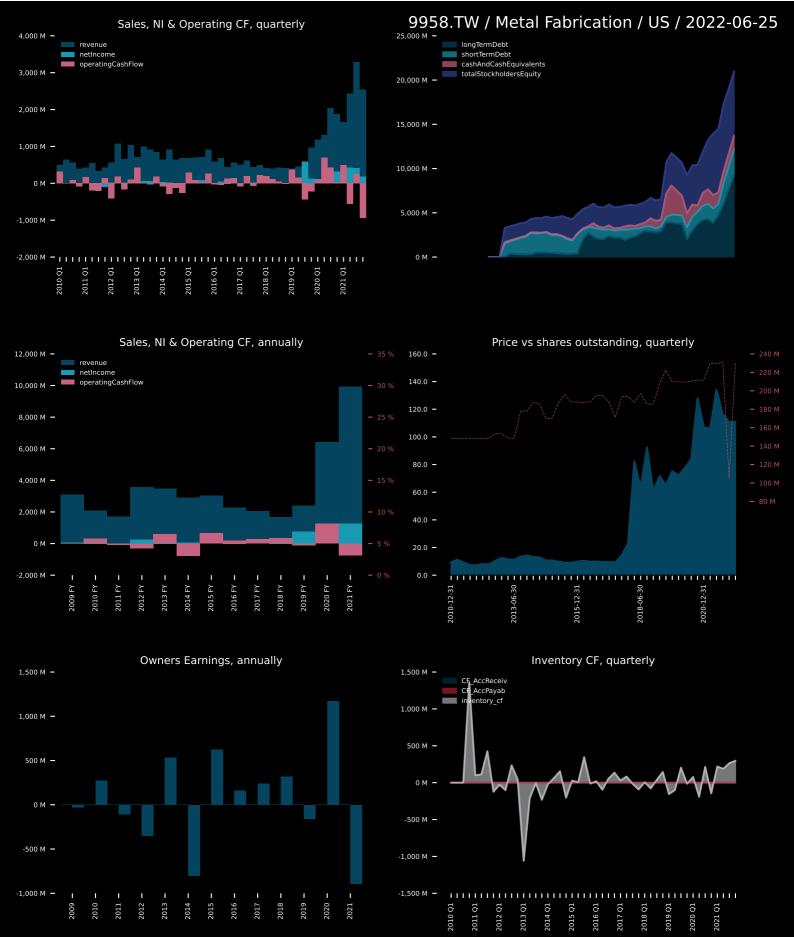
Worthington Industries, Inc., an industrial manufacturing company, focuses on value-added steel processing and manufactured metal products in North America and internationally. It operates through Steel Processing, Consumer Products, Building Products, and Sustainable Energy Solutions segments. The Steel Processing segment processes flat-rolled steel for customers primarily in the automotive, aerospace, agricultural, appliance, construction, container, hardware, heavy-truck, HVAC, lawn and garden, leisure and recreation, office furniture, and office equipment markets. It also toll processes steel for steel mills, large end-users, service centers, and other processors. The Consumer Products segment sells tools, outdoor living, and celebrations products under the Coleman, Bernzomatic, Balloon Time, Mag



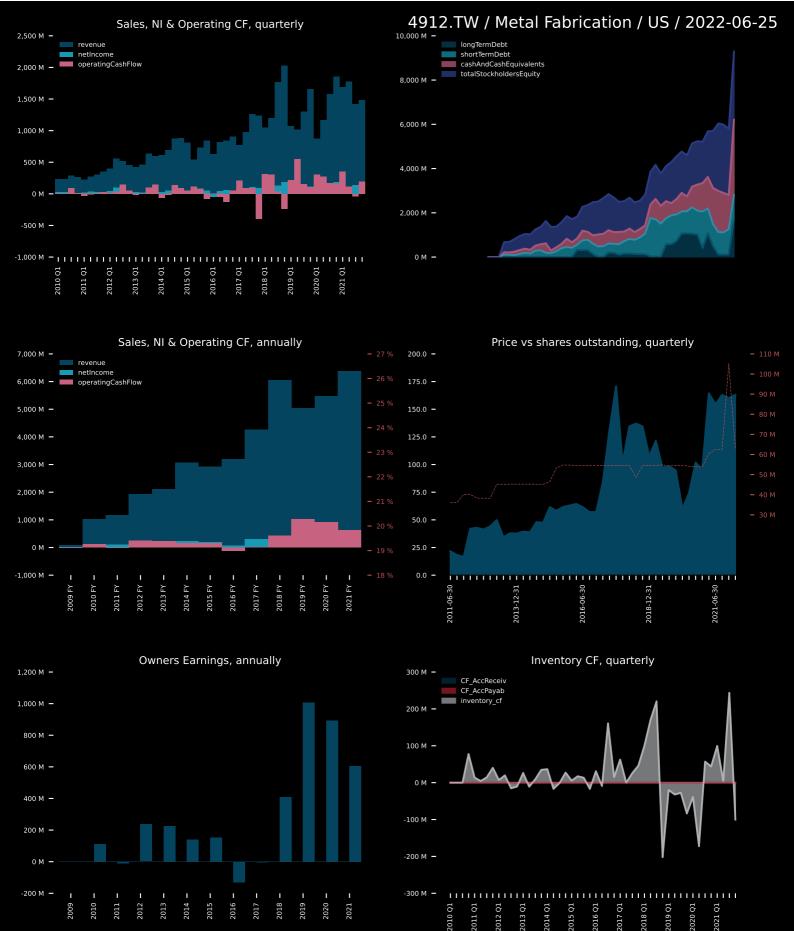
Shin Zu Shing Co., Ltd. manufactures and sells precision springs, stamped parts, and hinge assemblies in Taiwan. It also provides metal injection molding (MIM) and lathe products. The company offers its products for use in notebook and tablet PCs, LCD monitors, and MIM products, as well as communication, computer, and consumer products. The company was formerly known as Zu Shing Spring and Mechanical Co., Ltd. and changed its name to Shin Zu Shing Co., Ltd. in 1997. Shin Zu Shing Co., Ltd. was founded in 1965 and is headquartered in New Taipei City, Taiwan.

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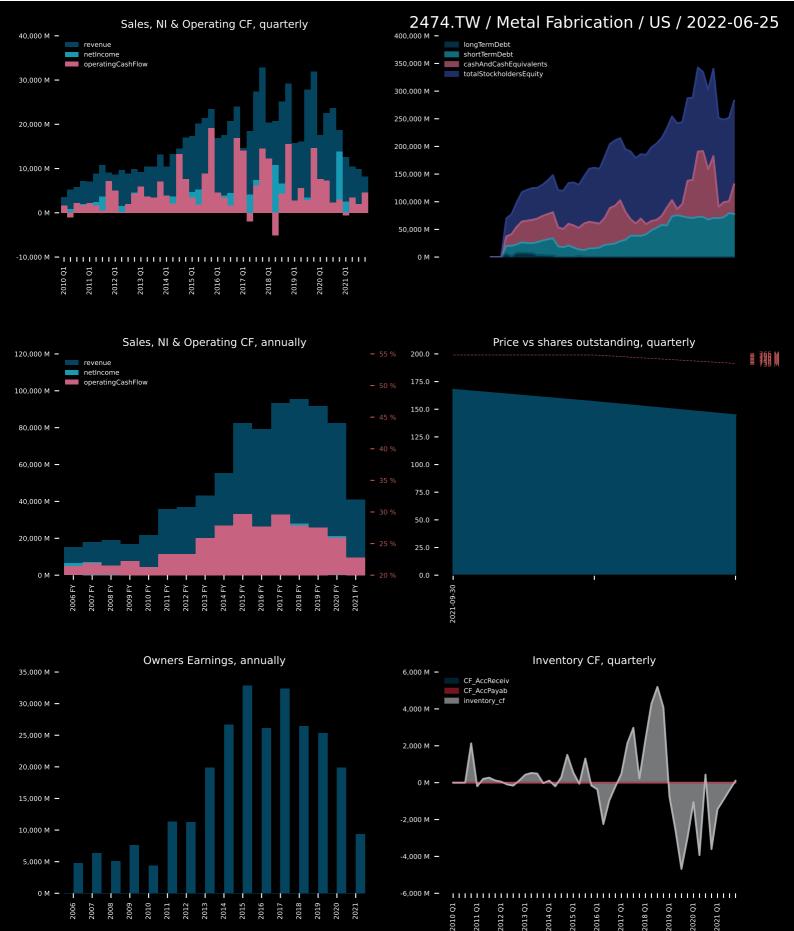
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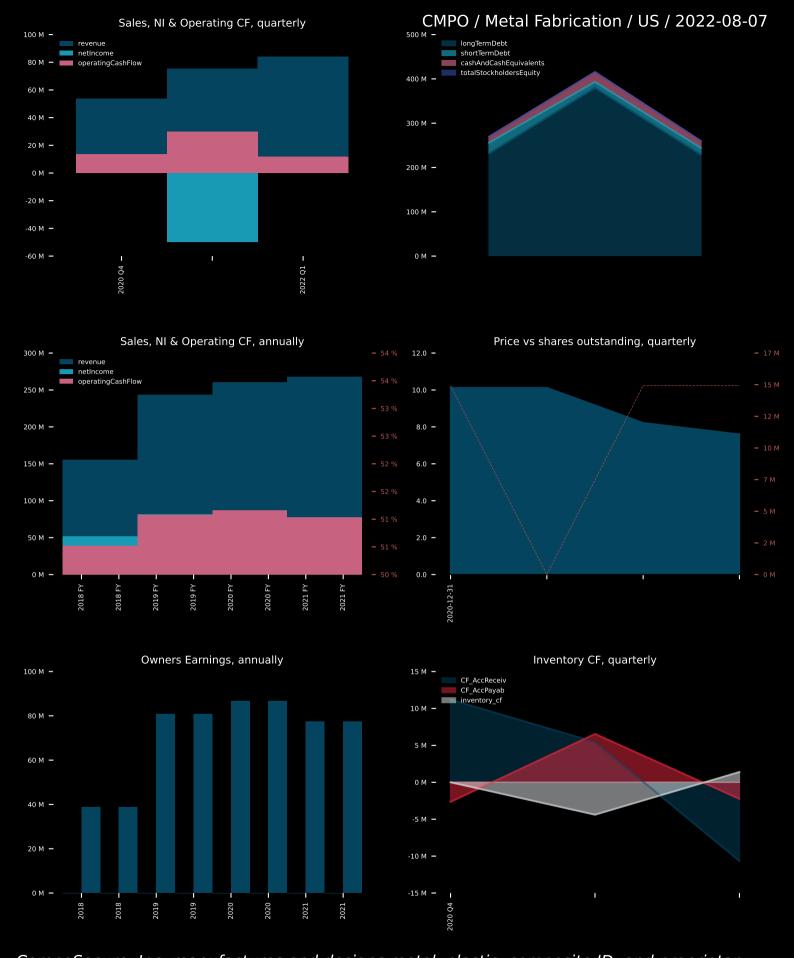
Century Iron and Steel Industrial Co.,Ltd. engages in the manufacture and sale of steel structures in Taiwan. The company is also involved in the welding of steel structure; and assembling and exporting of wind power turbines. Its products are used in high-rise buildings, bridges, factories, and public construction and other projects. The company was founded in 1987 and is based in Taoyuan City, Taiwan.



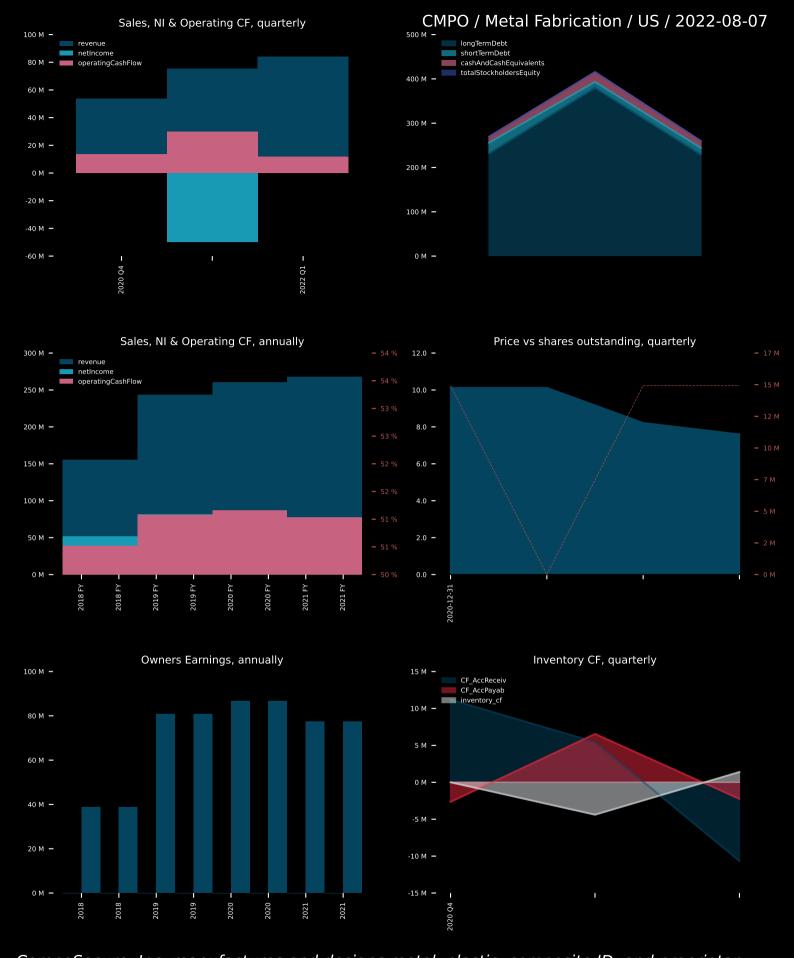
Lemtech Holdings Co., Limited manufactures and sells precision metal dies and metal stampings in Asia, Americas, and Europe. The company provides electronic product thermal modules, electronic product components, automotive components and building material components made by stamping and forming, as well as stamping die support for automotive and electronic product manufacturers; and stamping tools, heatsinks and thermal modules, slide rails, precision metal hinges, and mechanical assemblies. It serves automotive, cloud computing, smartphone, medical device, and industrial, as well as computing, consumer, and communication markets. The company was founded in 2003 and is based in New Taipei City, Taiwan.



Catcher Technology Co., Ltd., together with its subsidiaries, manufactures and sells aluminum and magnesium extrusions, and stamping products and molds in Taiwan and China. The company's products include upper case, lower case, keyboard cover, and monitor casings for notebook computers; casings for various server specifications and desktop computers; industrial computer casings and internal parts; and computer accessories, such as plugs and A/V connector casings. It also produces customized thin and precision-oriented communication application products, such as phones and pad-like products, as well as communication accessories, such as earphones and camera heads; and consumer electronic products, such as digital still cameras, camcorders, MP3 products, and related accessories. In addition, the



CompoSecure, Inc. manufactures and designs metal, plastic, composite ID, and proprietary financial transaction cards in the United States and internationally. Its primary metal form factors include embedded, metal veneer lite, metal veneer, and full metal products. The company also offers Arculus Cold Storage Wallet, a three-factor authentication solution, which comprise the Arculus Key card Cold Storage hardware device and companion Arculus Wallet mobile App to keep the Private Key in the Arculus Key card highly secure and store cryptocurrency and digital assets. It serves financial institutions, plastic card manufacturers, government agencies, system integrators, and security specialists. The company was founded in 1910 and is based in Somerset, New Jersey.



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