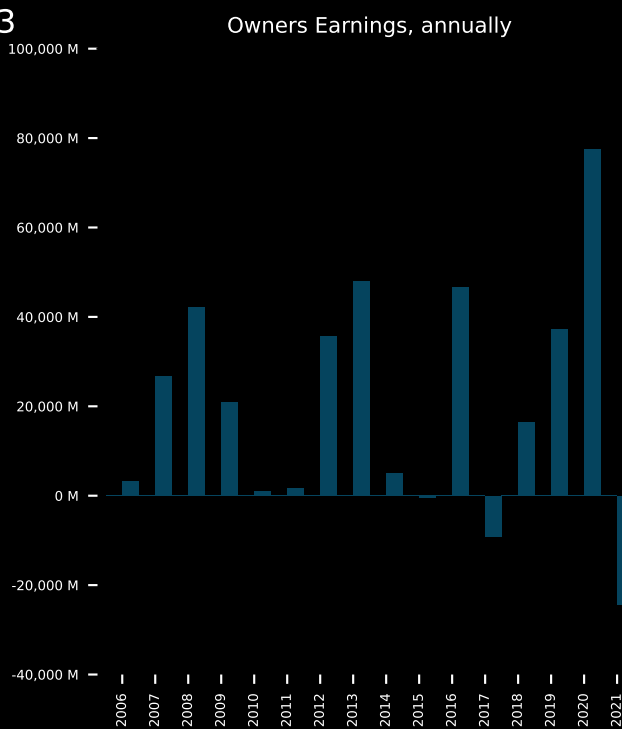
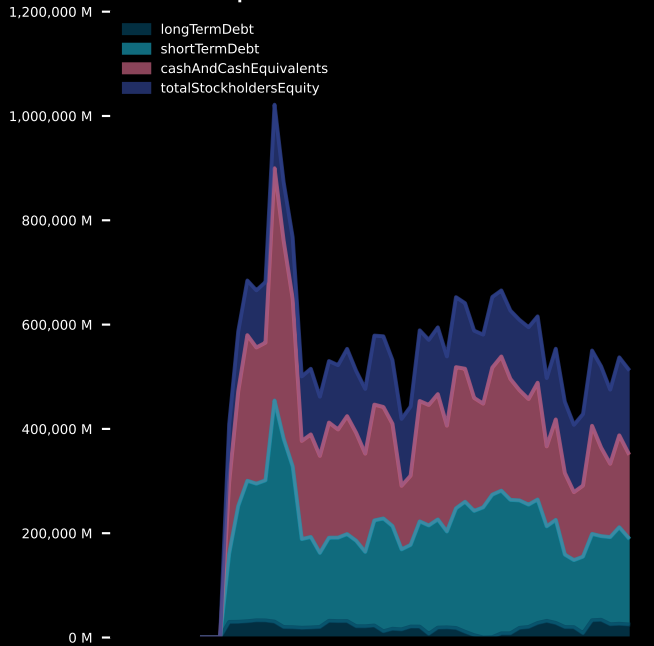
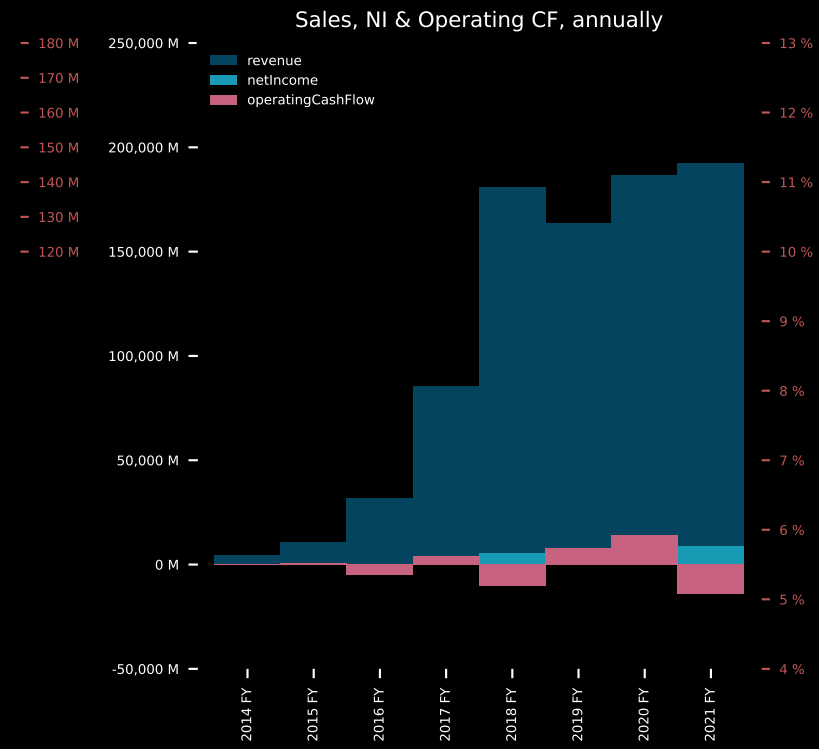
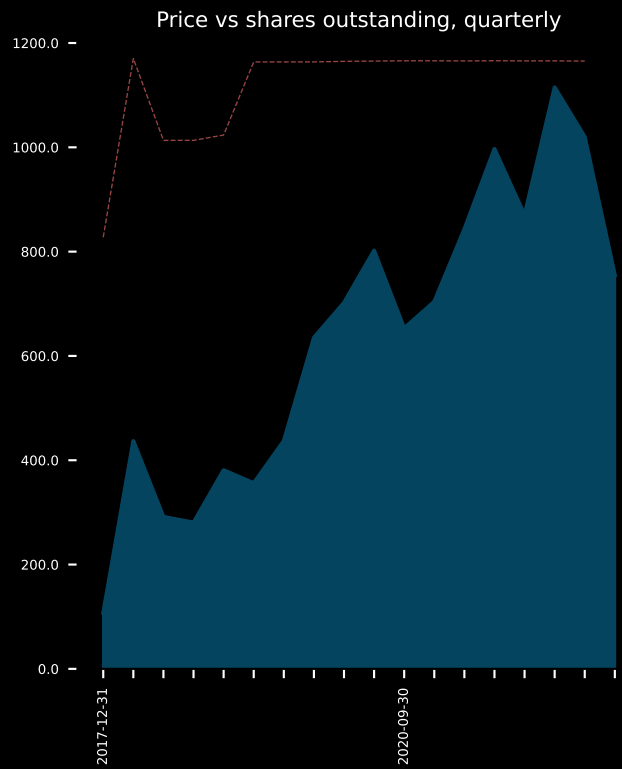
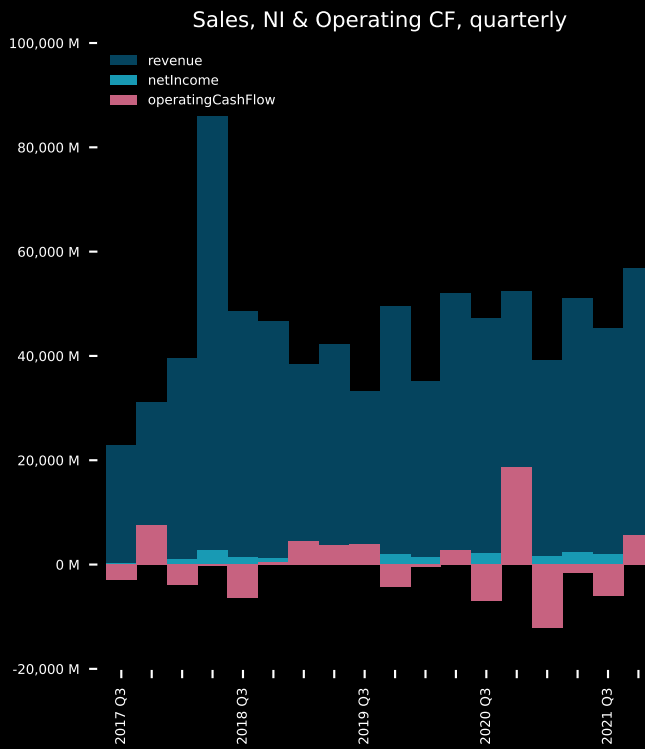


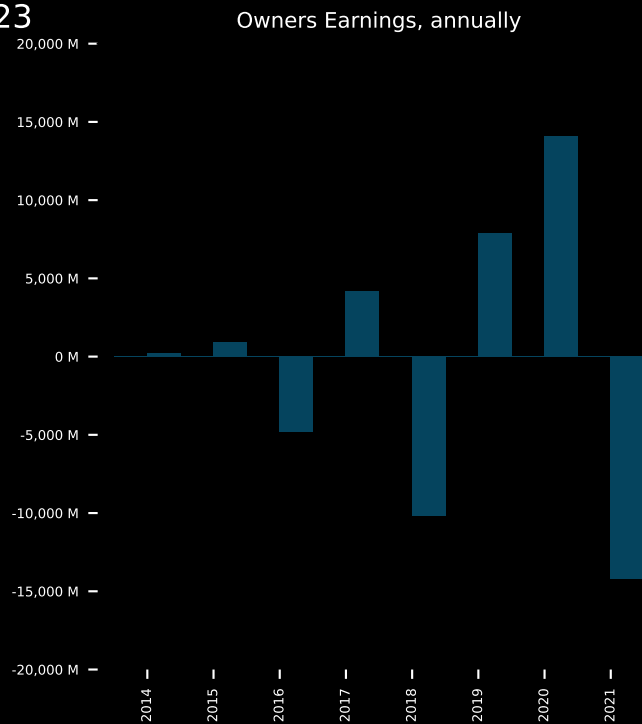
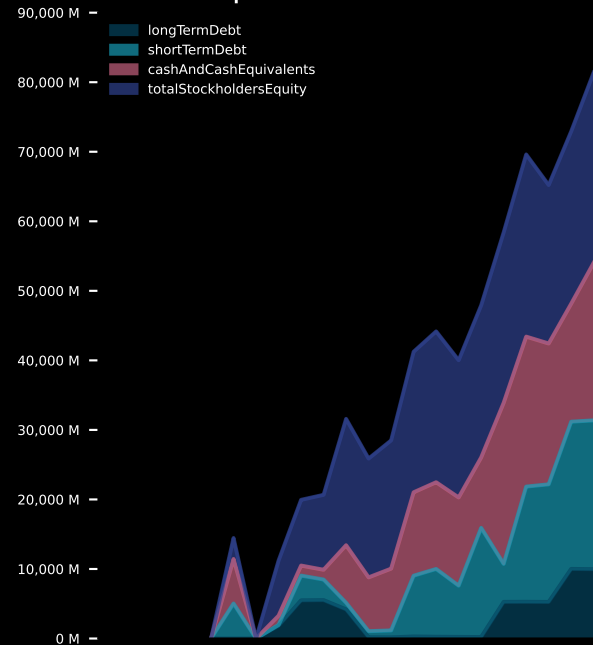
2382.TW / Computer Hardware / US / 2022-08-23



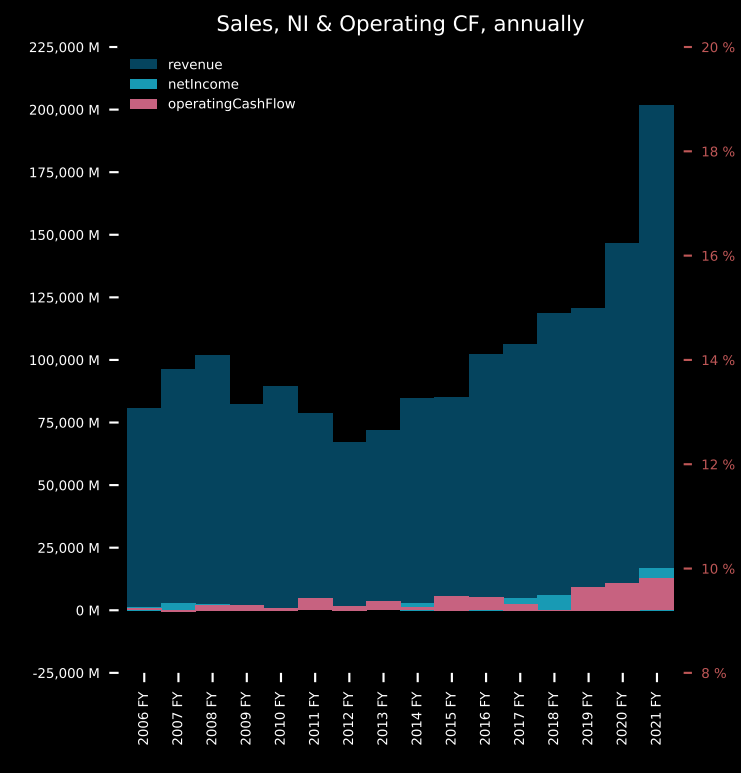
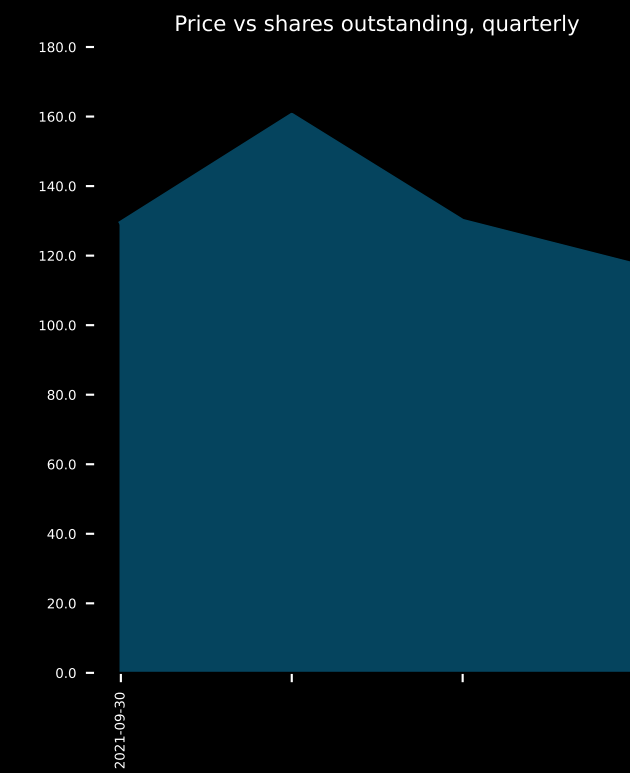
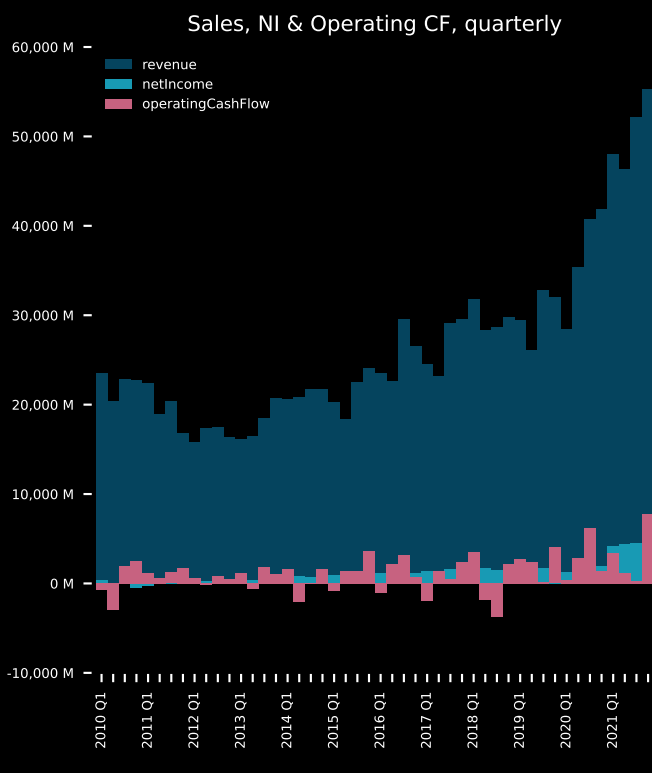
Quanta Computer Inc., together with its subsidiaries, engages in manufacturing, processing, and trading of notebook computers and communication products in the United States, Mainland China, the Netherlands, Japan, and internationally. The company provides notebook PCs; a portfolio of servers, storage devices, and network switches; cameras, including automotive camera, camera module, and AI dash-cam and ADAS solutions; and smart healthcare solutions. It also offers mobile computing solutions for the wireless communication of notebook PCs, wireless local area network peripherals, wireless multimedia devices, and wireless information home appliances; and cloud computing and enterprise network solutions to meet enterprise demand for private clouds or hybrid clouds, as well as home entertainment and smart home solutions, including home media centers; smart touch input systems for laptops, desktops, and thin client terminals; smart IoT controllers and sensors; smart speakers; and private servers for home. In addition, the company provides IoT solutions; next generation of central office solutions for telecommunication;



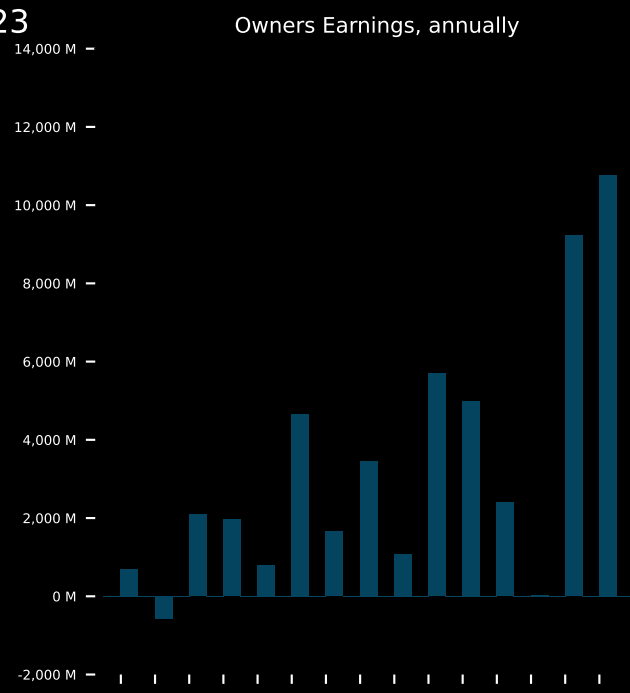
6669.TW / Computer Hardware / US / 2022-08-23



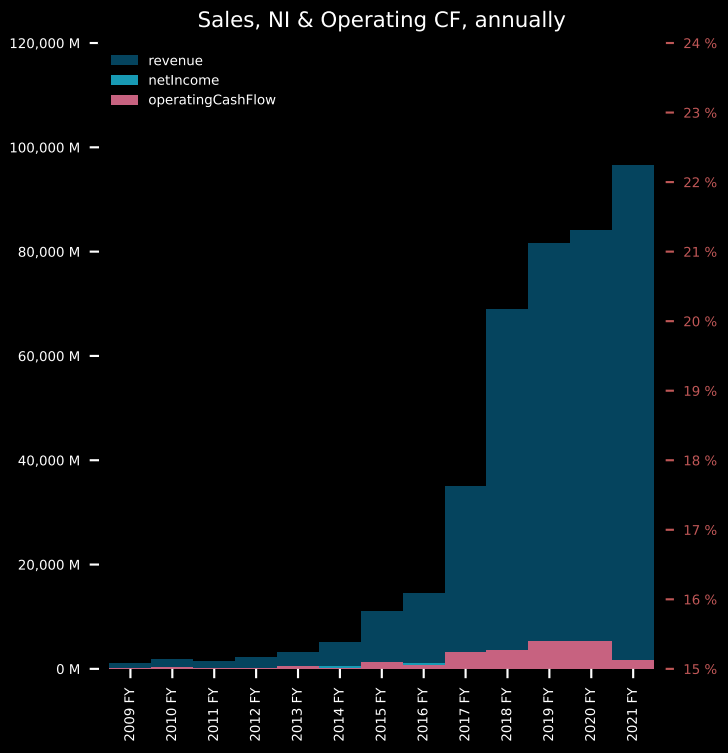
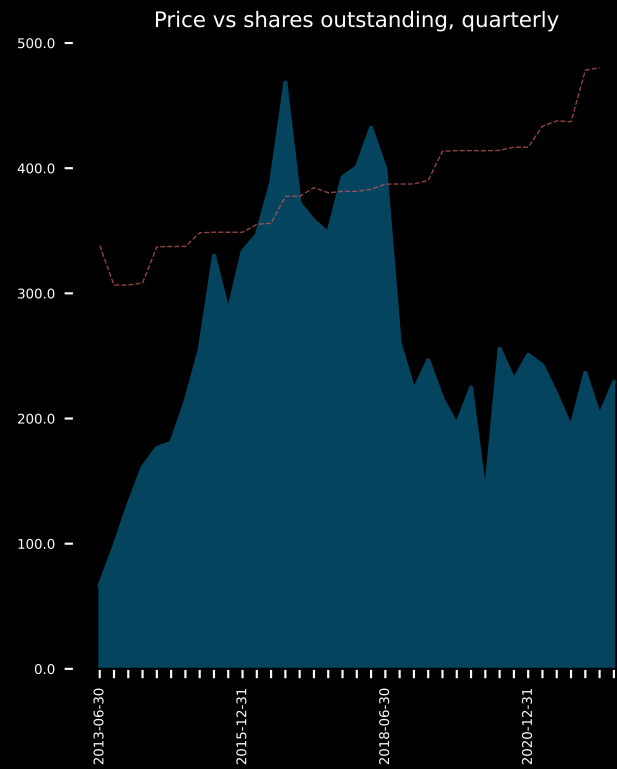
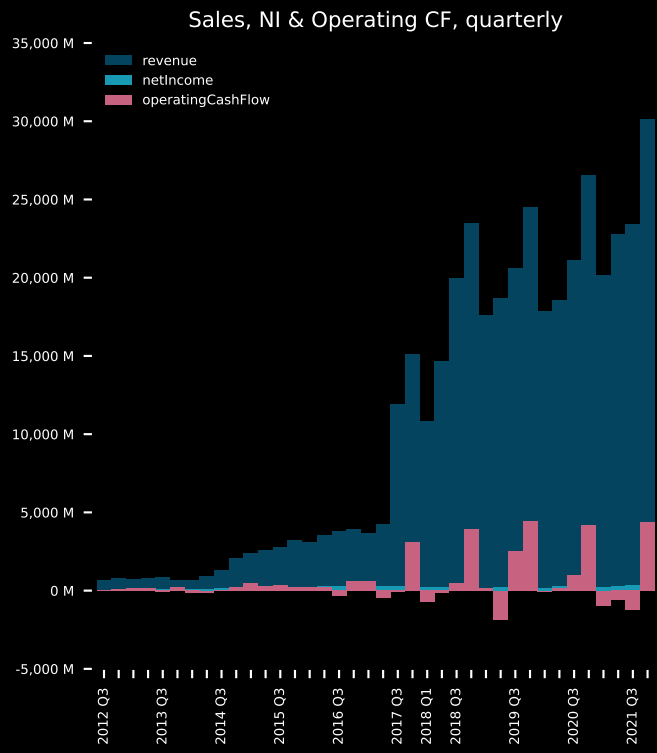
Wiwynn Corporation researches, designs, develops, tests, and sells computing and storage products, and rack solutions for cloud infrastructures and data centers in the United States, Europe, Asia, and internationally. The company offers integrated solutions to enterprises that want to build, distribute, or resell cloud services to their clients. Its products include servers, storage products, open rack accessories, OCP mezzanine network cards, storage cards, and system software products. The company also provides rack integration services; and computer and peripheral equipment, data storage media products, electric appliances and media products, and information software. In addition, the company offers management consulting, information software, and data processing services, as well as investment and human resource services. It also exports its products. The company was incorporated in 2012 and is headquartered in New Taipei City, Taiwan.



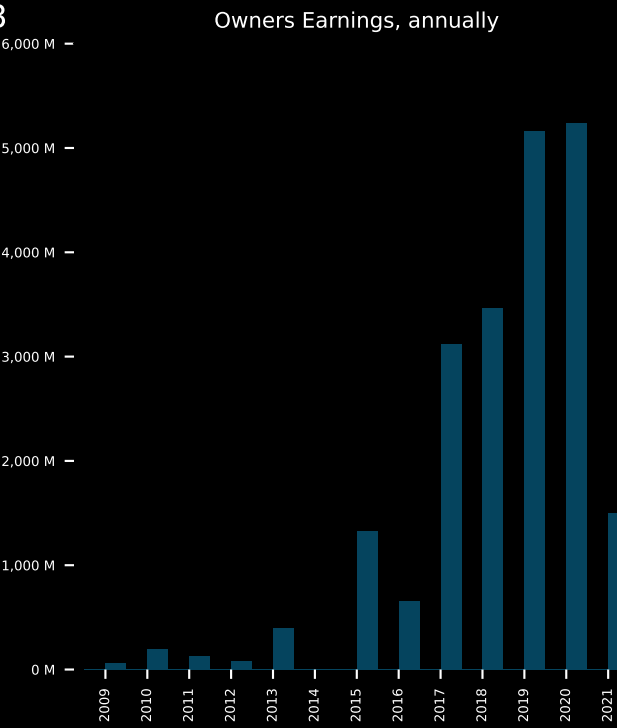
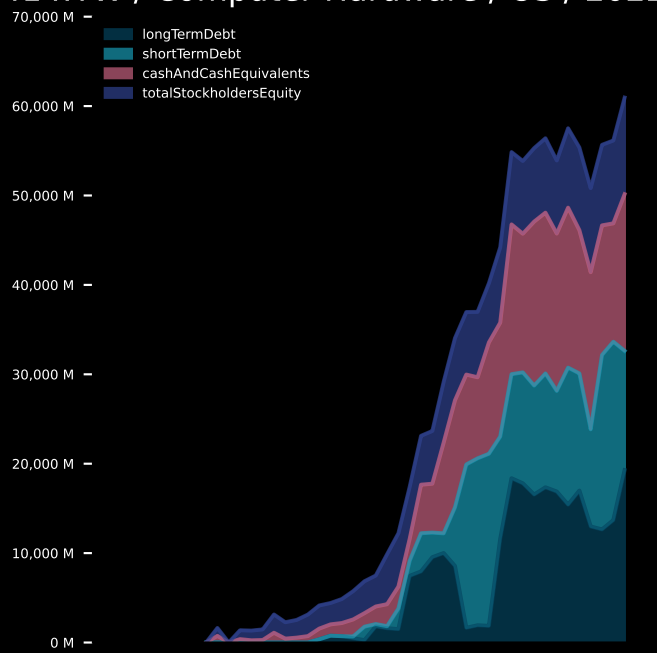
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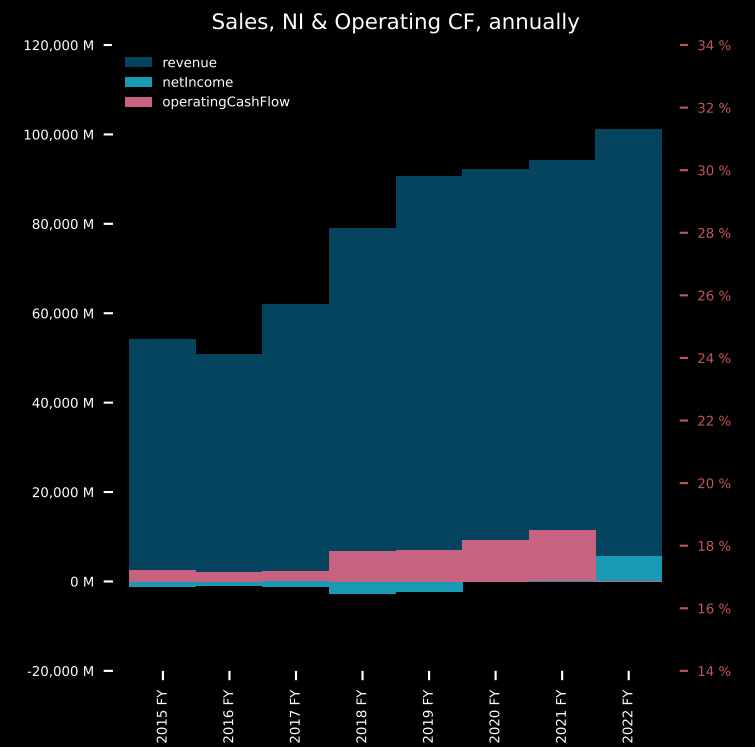
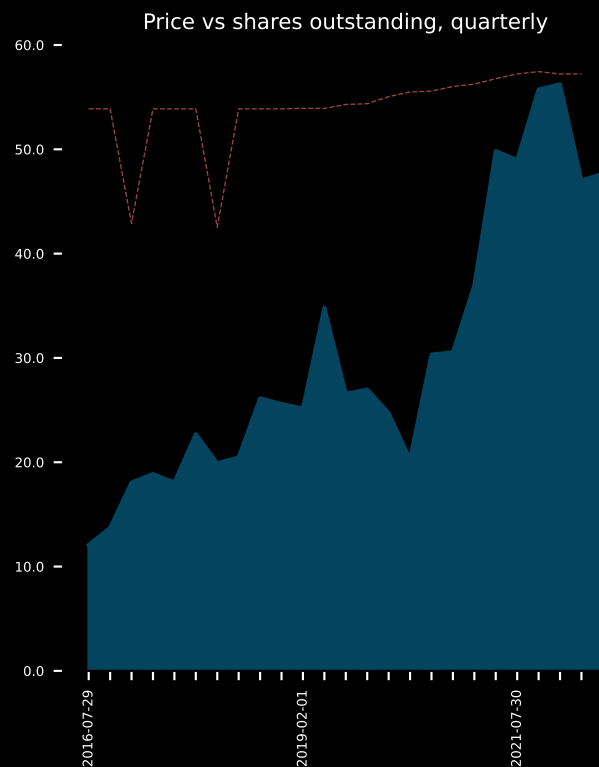
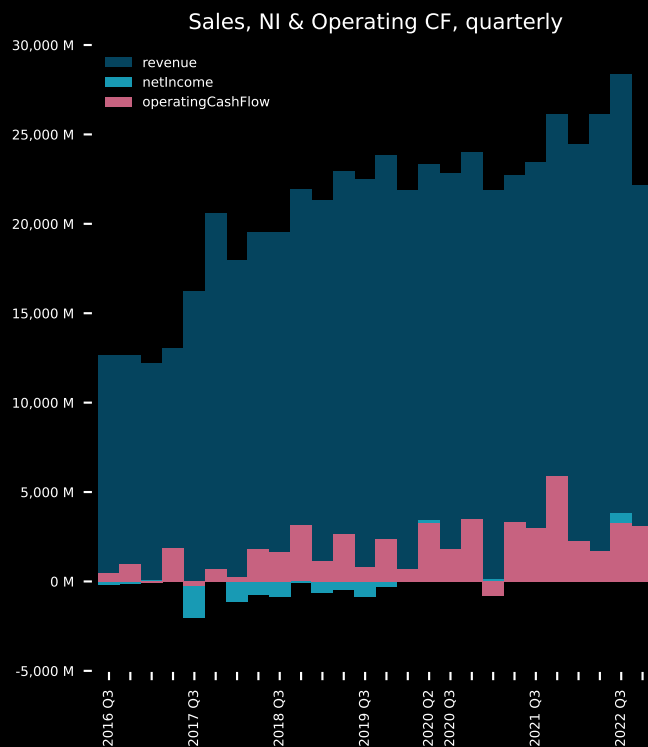
Micro-Star International Co., Ltd. manufactures and sells motherboards, interface cards, notebook computers, and other electronic products in Asia, Europe, the Americas, and internationally. The company operates through Computer and Peripherals, and Other segments. Its products portfolio includes laptops, desktops, monitors, graphic cards, gaming gears, PC cases and components, liquid cooling, and power supply products, as well as gaming laptop backpacks, apparel, and others. The company is also involved in the sale, support, after-sales service, and logistics service of computers and electronic components. Micro-Star International Co., Ltd. was incorporated in 1986 and is headquartered in New Taipei city, Taiwan.



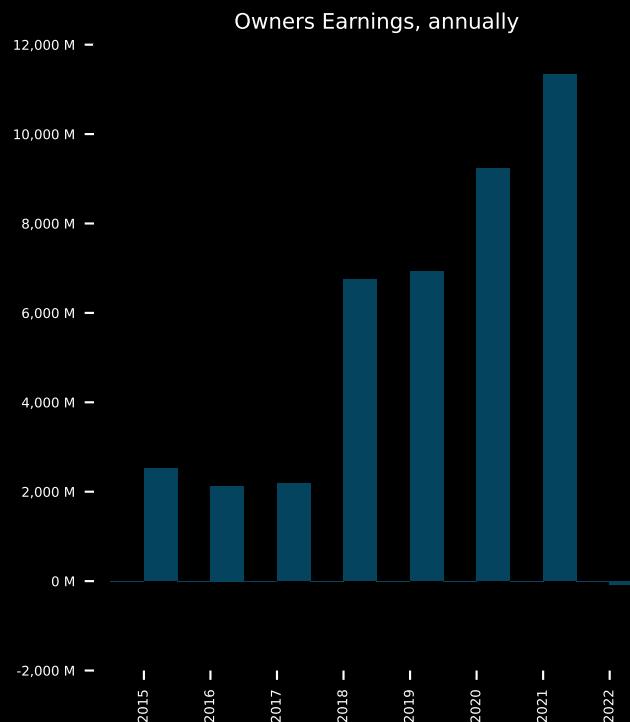
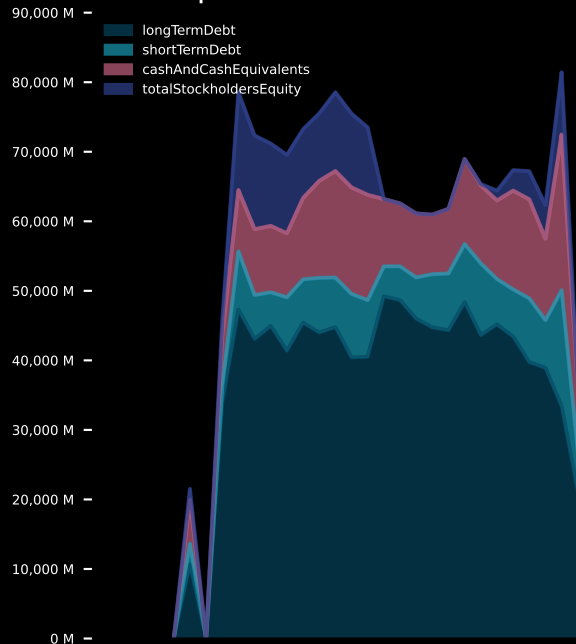
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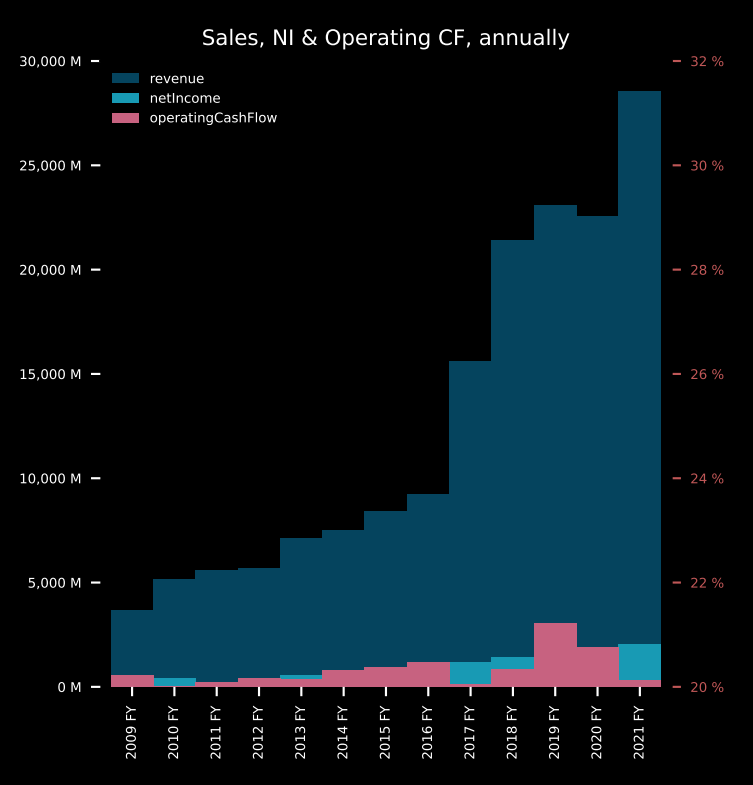
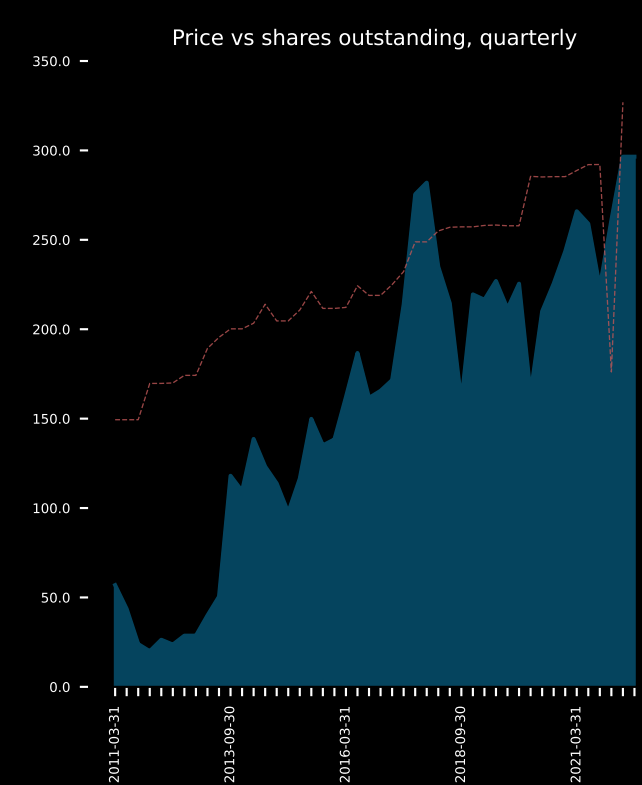
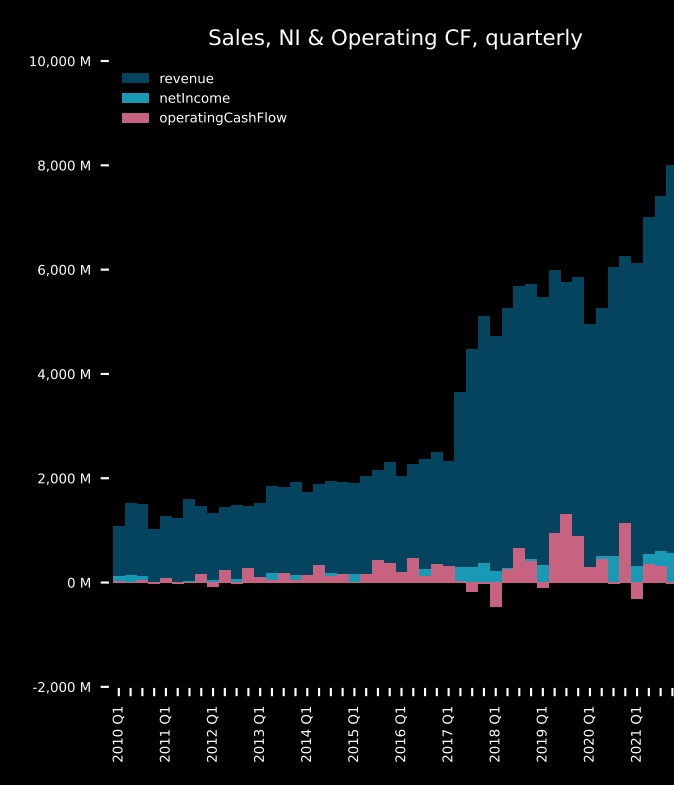
Ennoconn Corporation designs and develops industrial mother boards in Taiwan and internationally. It offers hardware system solutions to various vertical market applications, including point-of-sales (POS), banking automation, kiosk, lottery, and industrial automation. The company also provides motherboards, POS products, embedded box PCs, HMIs, and kiosk self-service terminal solutions; and design to order and electronic manufacturing services. In addition, it researches, develops, and sells hardware and software products; manufactures, wholesales, imports/exports, and services industrial computer and industrial systems; researches, develops, produces, and sells electronic materials for hardware and software products; and wholesales electronic materials, as well as provides installation, debugging, and technical consultation services. Further, the company is involved in the intelligent technology development and sale of hardware; wholesale and retail of telecommunications control of radio frequency equipment input and information software; research, design, and sale of mobile payment, and other information technology services.



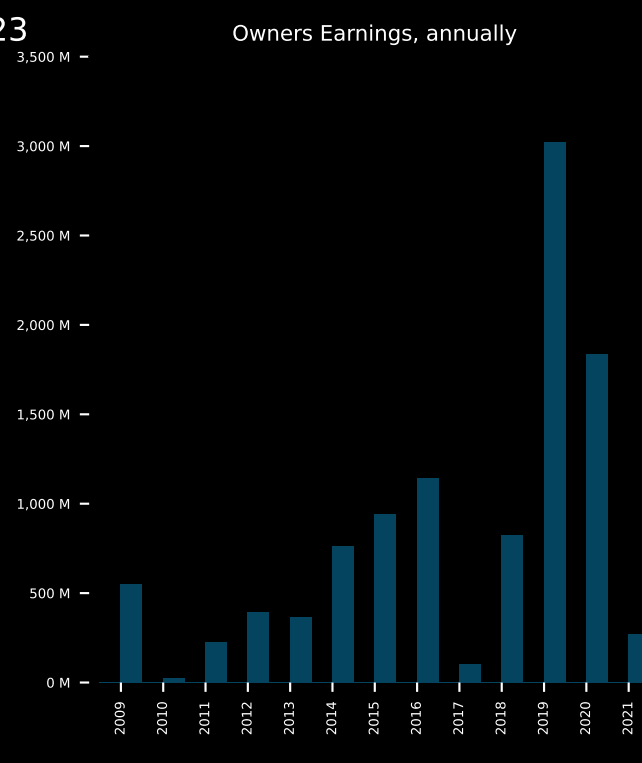
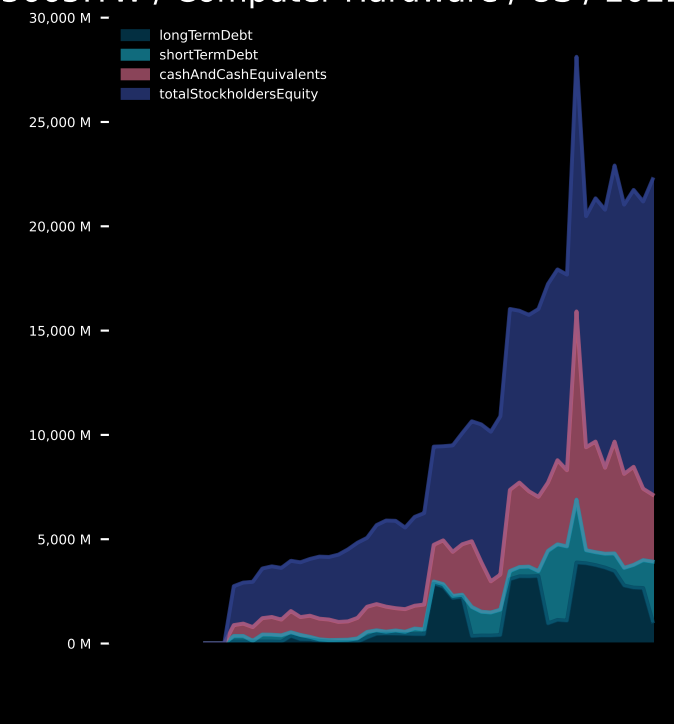
DELL / Computer Hardware / US / 2022-08-23



Dell Technologies Inc. designs, develops, manufactures, markets, sells, and supports information technology (IT) solutions, products, and services worldwide. The company operates through three segments: Infrastructure Solutions Group (ISG), Client Solutions Group (CSG), and VMware. The ISG segment provides traditional and next-generation storage solutions; and rack, blade, tower, and hyperscale servers. This segment also offers networking products and services that help its business customers to transform and modernize their infrastructure, mobilize and enrich end-user experiences, and accelerate business applications and processes; attached software and peripherals; and support and deployment, configuration, and extended warranty services. The CSG segment provides desktops, workstations, and notebooks; displays and projectors; attached and third-party software and peripherals, as well as support and deployment, configuration, and extended warranty services. The VMware segment supports customers in the areas of hybrid and multi-cloud, modern applications, networking, security, and digital workspaces, helping customers to manage IT



3665.TW / Computer Hardware / US / 2022-08-23

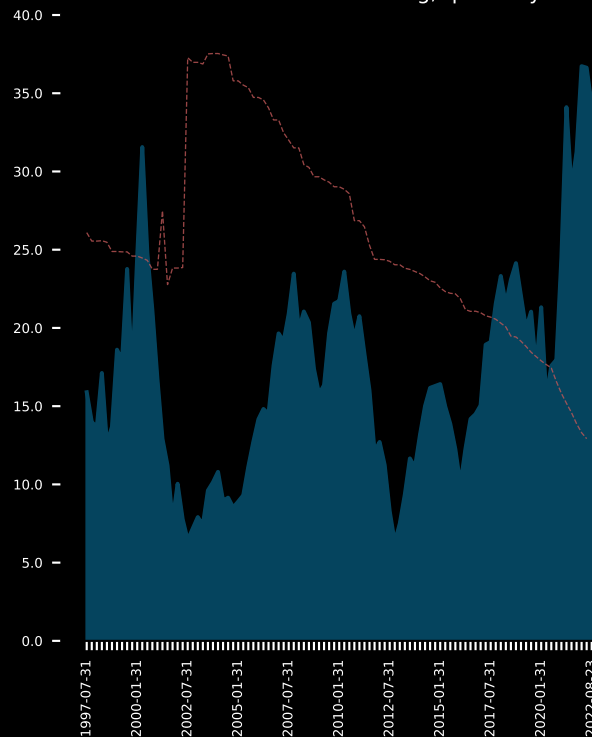


Bizlink Holding Inc. researches, designs, develops, manufactures, and sells various technological products and components for various technology industries in the United States, China, Germany and internationally. It operates through Computer Related Products, Fiber Optics, Home Appliances, and Others segments. The company provides adapters, high-speed cables, power whips and cables, connectors, modules, hubs and docks, and dongles; and cable storage, integration of electrical and mechanical parts, and over molding of fixings and mountings for cable harnesses, textile braided cable for harness systems, complex wire harnesses, and systems and customized solutions, as well as power cords, wire harness, and wires and cables. It also offers towline, micro coaxial, photoelectric hybrid, drag chain, phase, defibrillation, and USB extender cables, as well as optical fiber patchcord, thermistor detector, and transceivers, ultra-compact and high isolation WDM, coupler/PLC, optical switch/VOA, circulator/isolator/hybrid, high density module, and HDMI/DP/USB optical cables for optical fiber

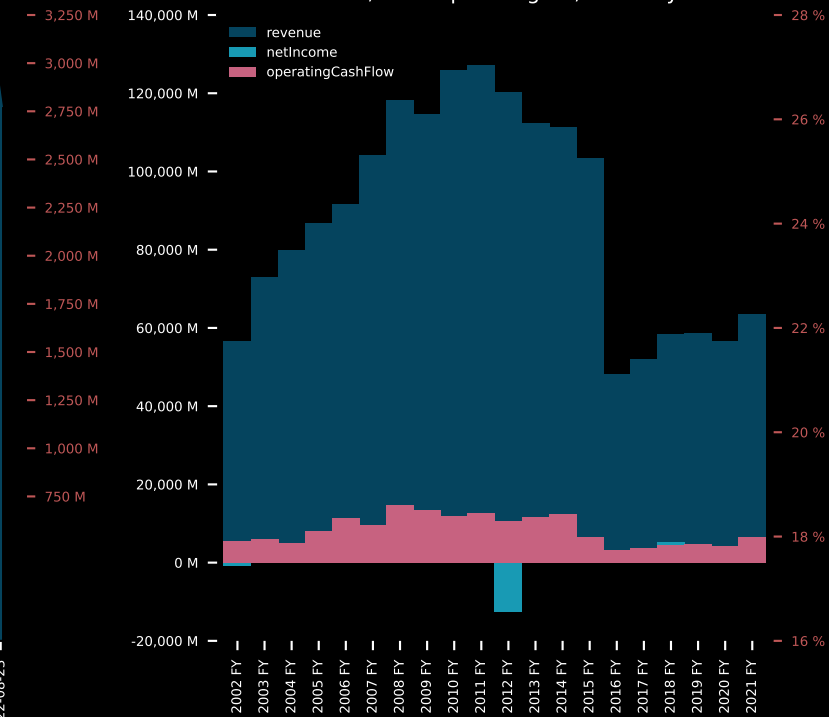
Sales, NI & Operating CF, quarterly



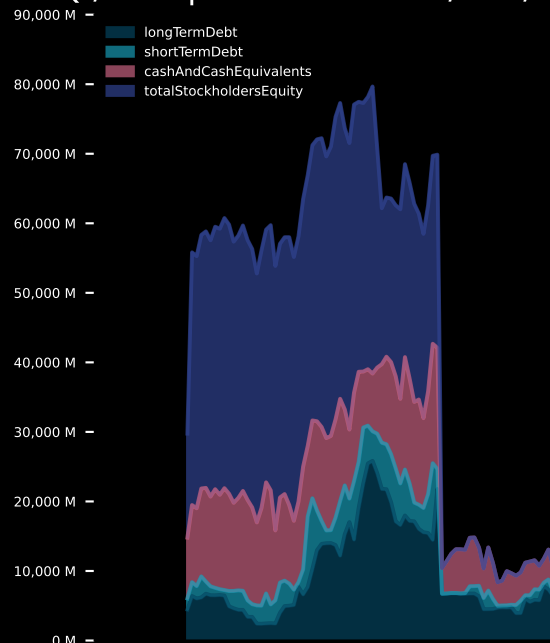
Price vs shares outstanding, quarterly



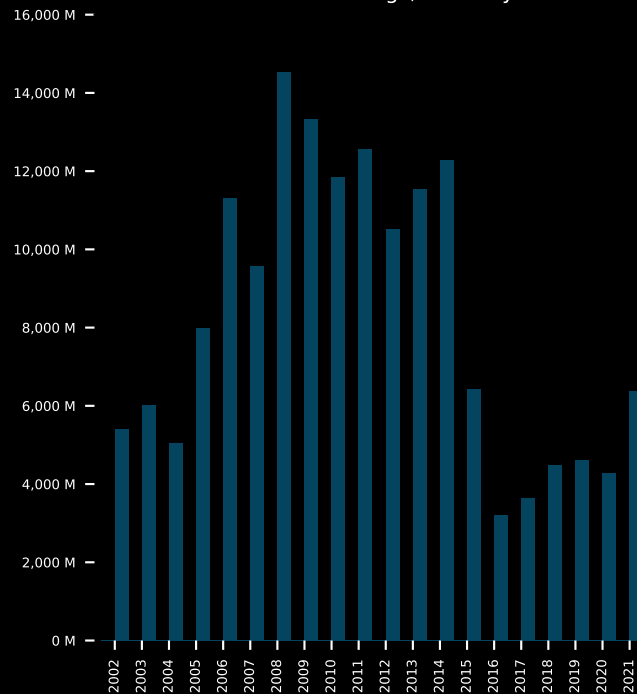
Sales, NI & Operating CF, annually



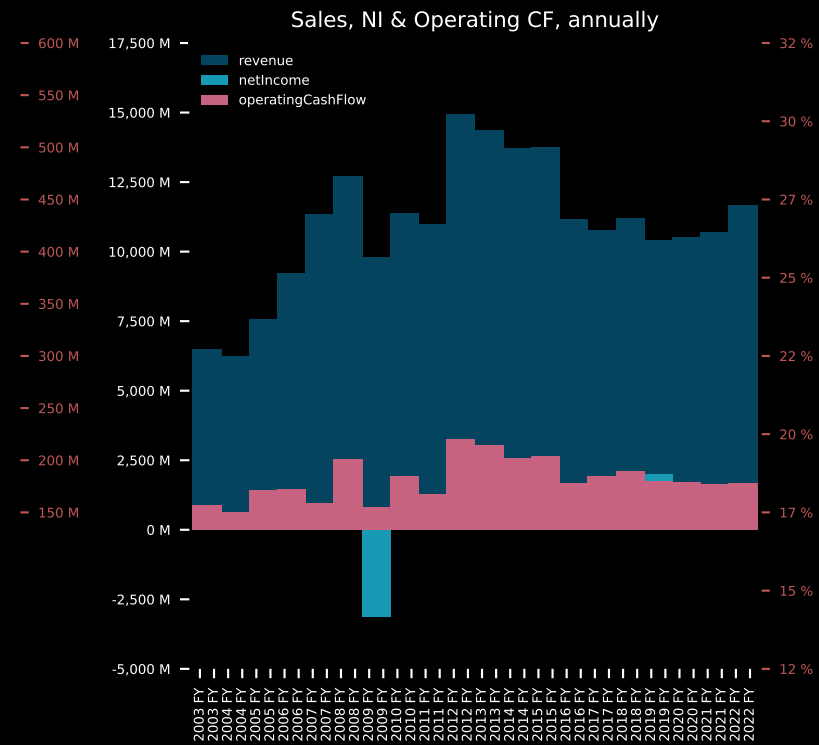
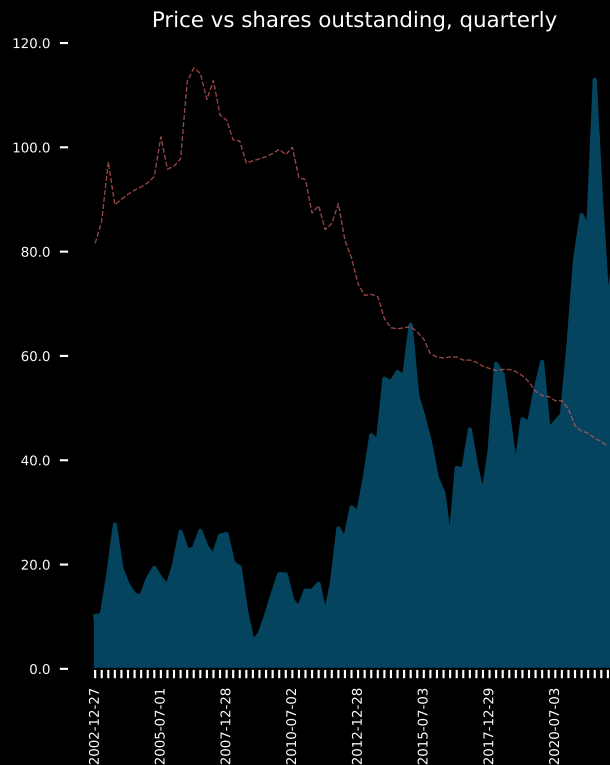
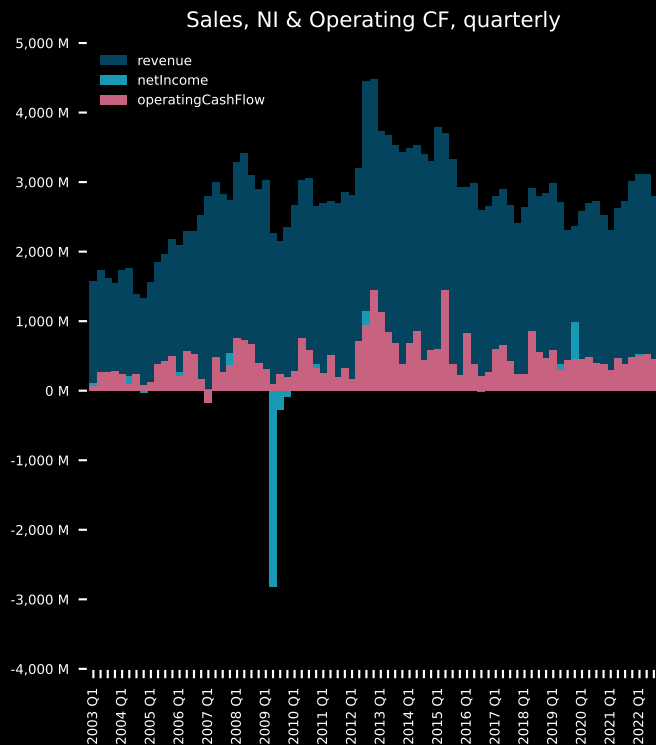
HPQ / Computer Hardware / US / 2022-08-23



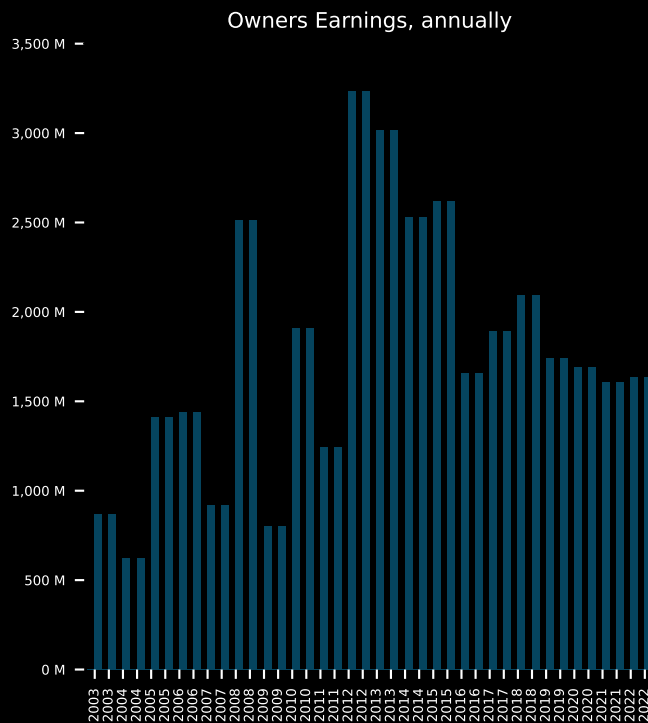
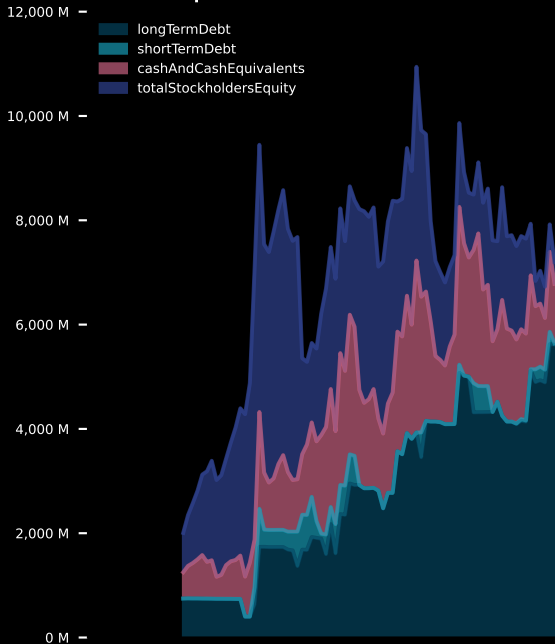
Owners Earnings, annually



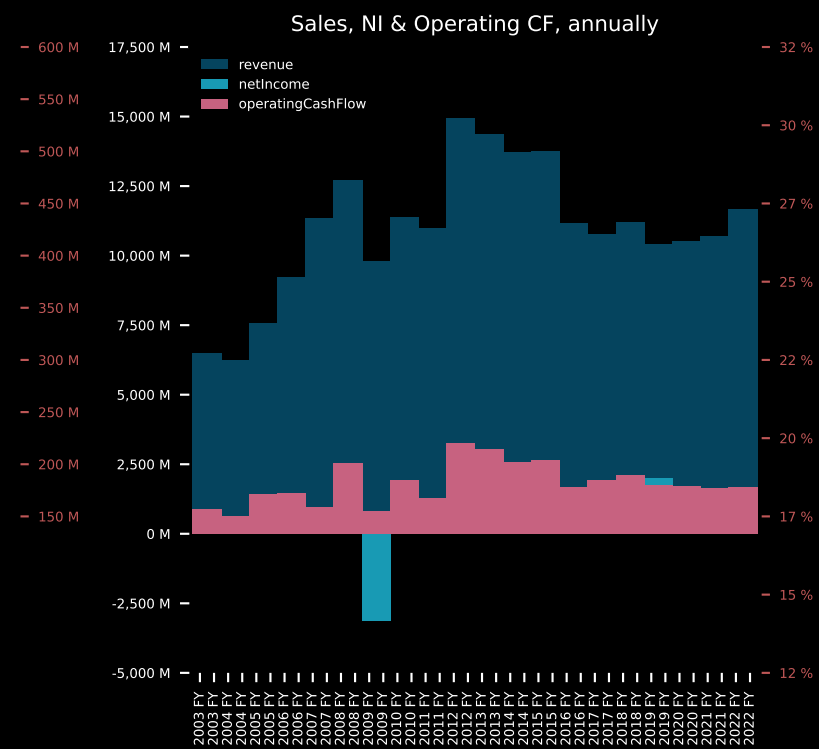
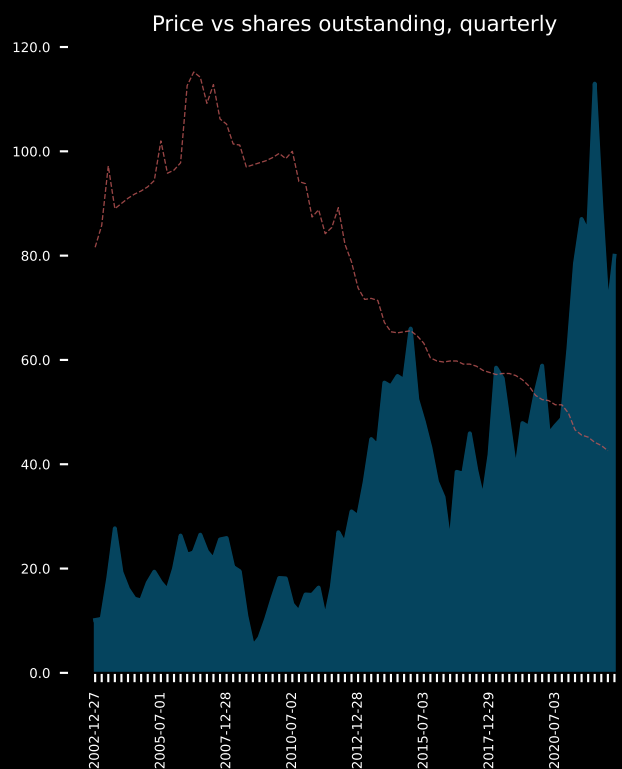
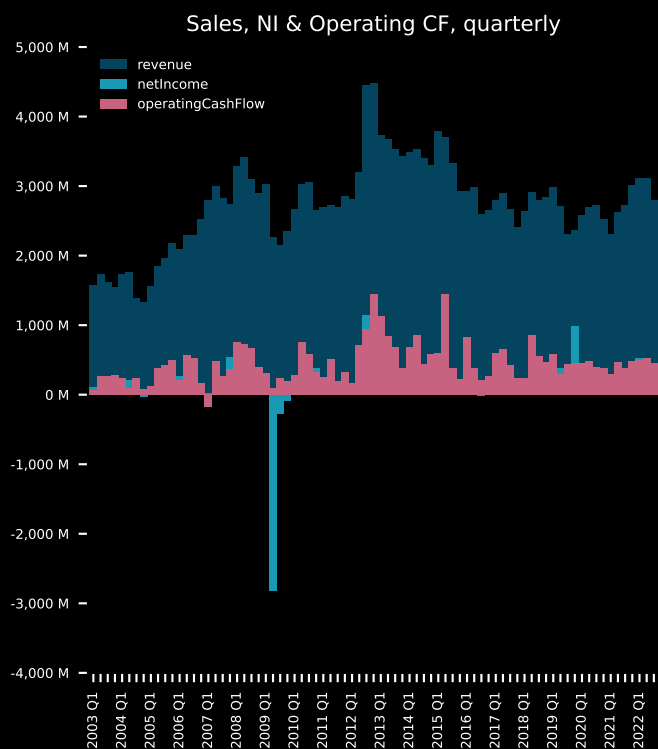
HP Inc. provides personal computing and other access devices, imaging and printing products, and related technologies, solutions, and services in the United States and internationally. The company operates through three segments: Personal Systems, Printing, and Corporate Investments. The Personal Systems segment offers commercial and consumer desktop and notebook personal computers, workstations, thin clients, commercial mobility devices, retail point-of-sale systems, displays and peripherals, software, support, and services. The Printing segment provides consumer and commercial printer hardware, supplies, solutions, and services. The Corporate Investments segment is involved in the HP Labs and business incubation, and investment projects. It serves individual consumers, small- and medium-sized businesses, and large enterprises, including customers in the government, health, and education sectors. The company was formerly known as Hewlett-Packard Company and changed its name to HP Inc. in October 2015. HP Inc. was founded in 1939 and is headquartered in Palo Alto, California.



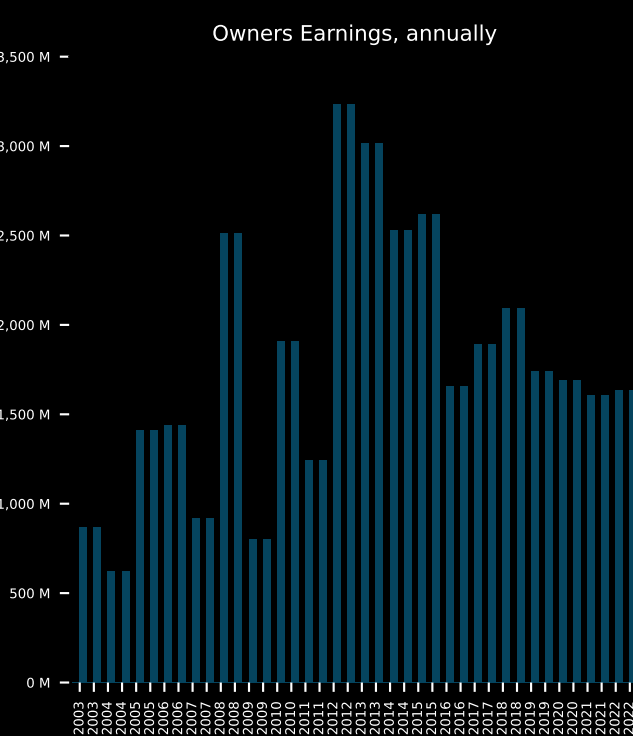
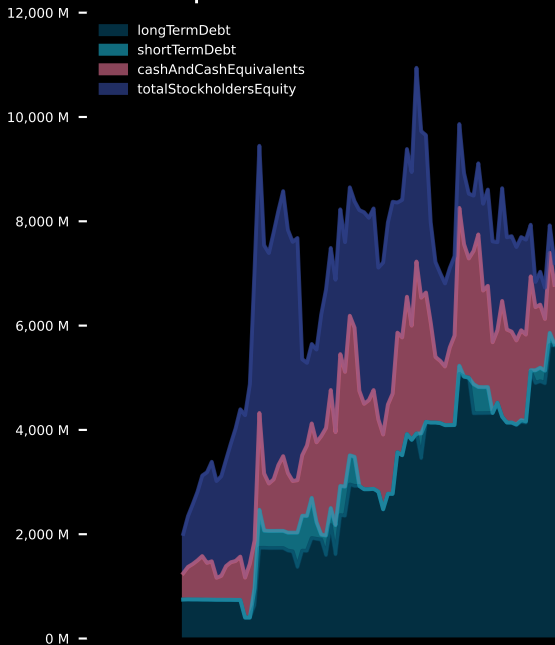
STX / Computer Hardware / IE / 2022-08-22



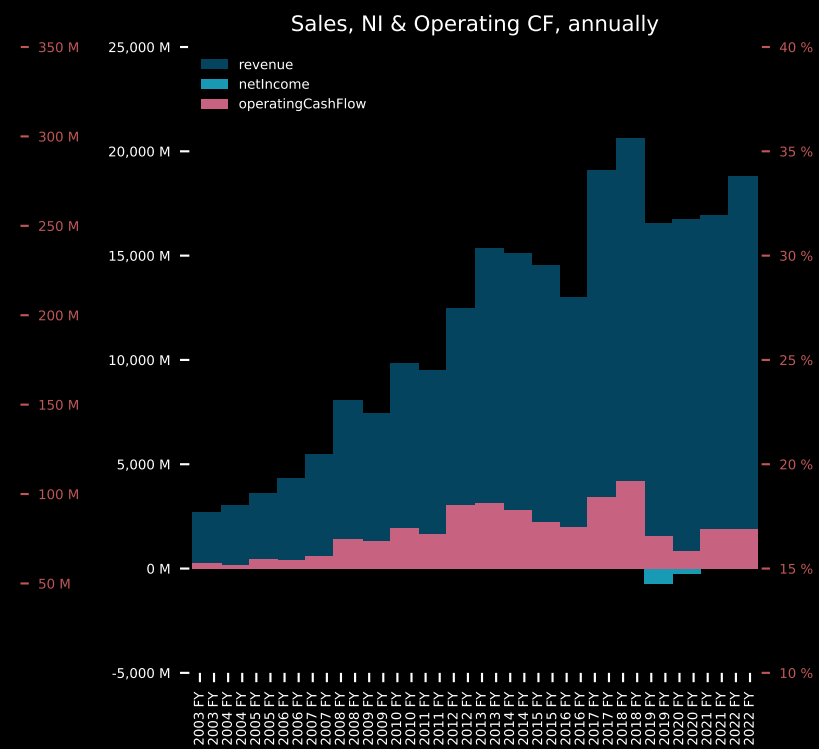
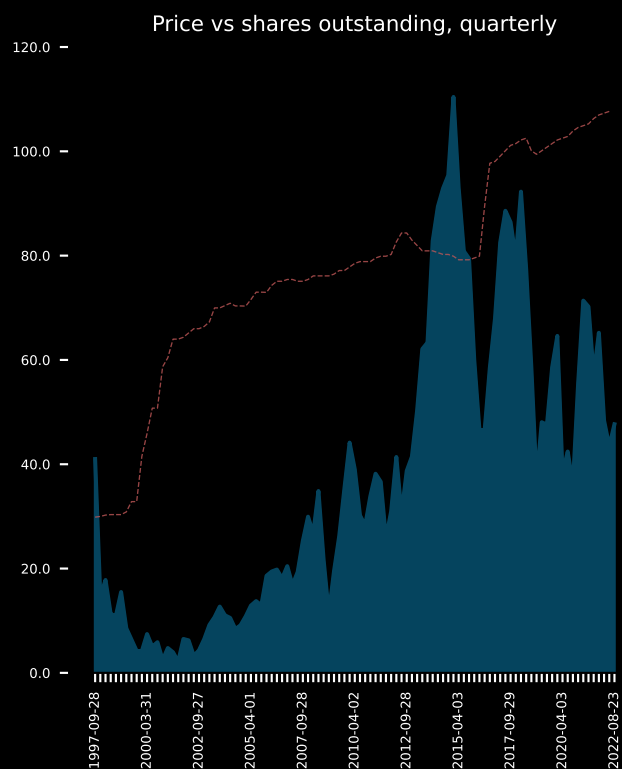
Seagate Technology Holdings plc provides data storage technology and solutions in Singapore, the United States, the Netherlands, and internationally. It provides mass capacity storage products, including enterprise nearline hard disk drives (HDDs), enterprise nearline solid state drives (SSDs), enterprise nearline systems, video and image HDDs, and network-attached storage drives. The company also offers legacy applications comprising Mission Critical HDDs and SSDs; external storage solutions the Seagate Ultra Touch, One Touch, and Expansion product lines, as well as under the LaCie and Maxtor brand names; desktop drives; notebook drives, DVR HDDs, and gaming SSDs. In addition, it provides Lyve edge-to-cloud mass capacity platform. The company sells its products primarily to OEMs, distributors, and retailers. Seagate Technology Holdings plc was founded in 1978 and is based in Dublin, Ireland.



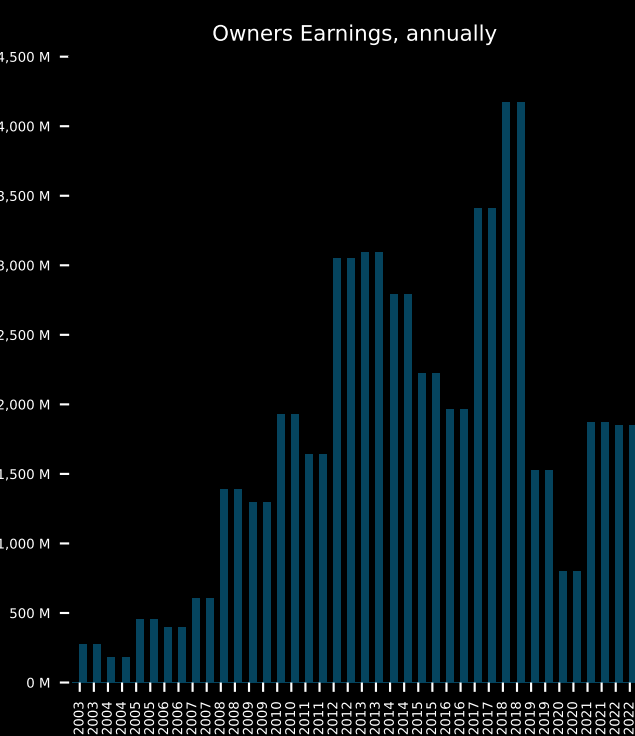
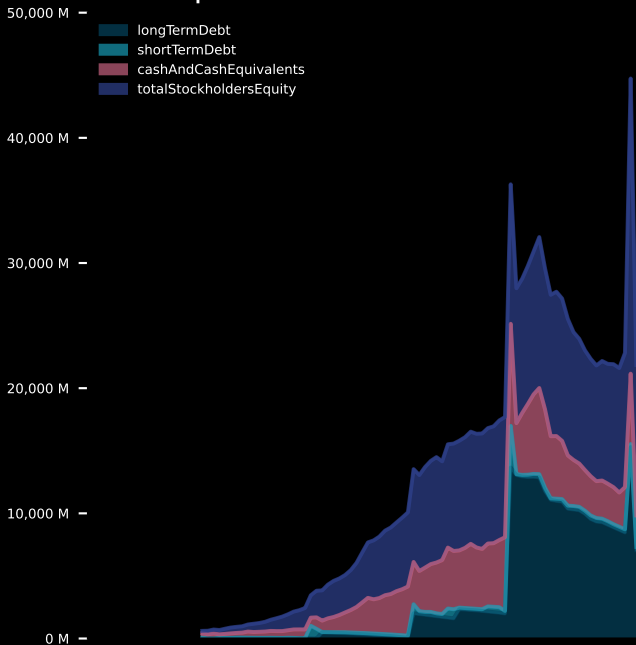
STX / Computer Hardware / IE / 2022-08-22



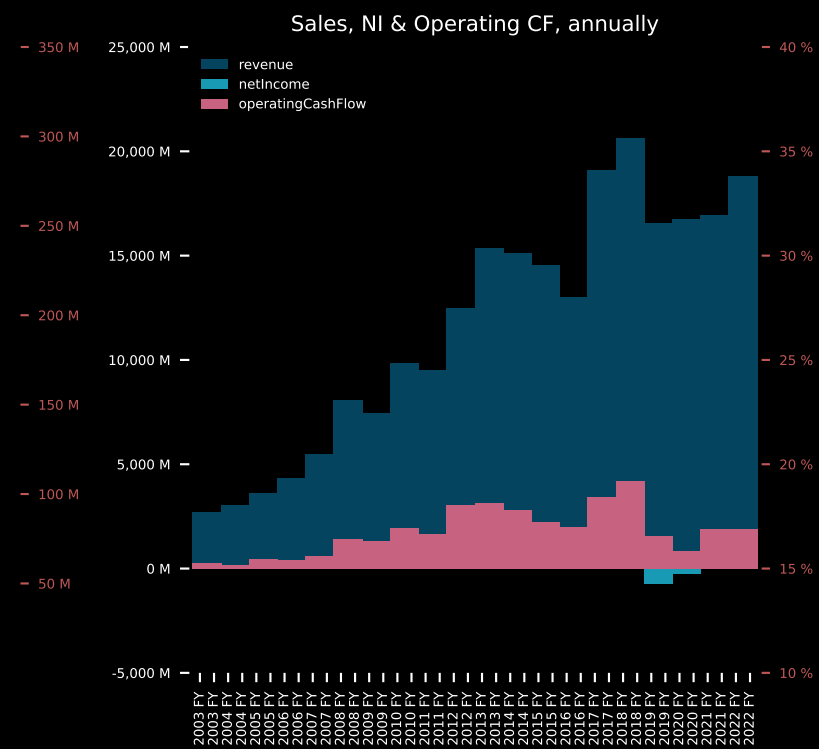
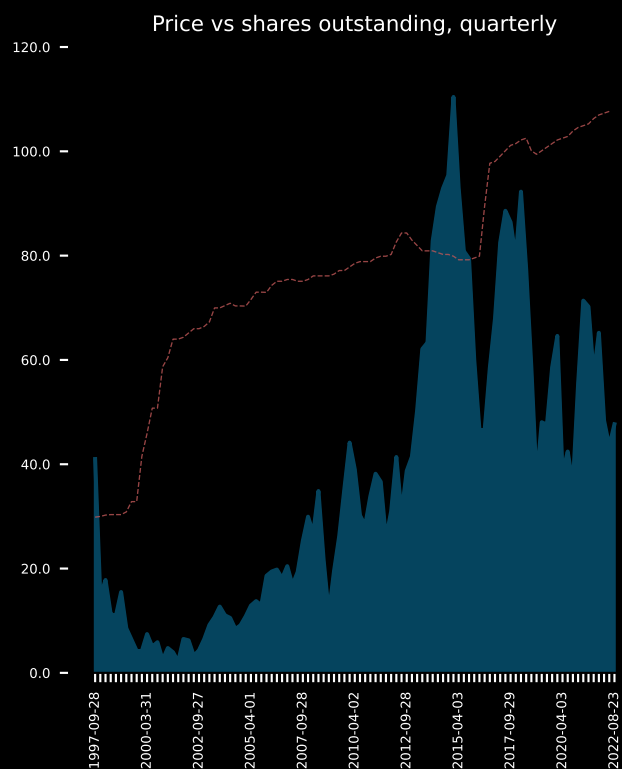
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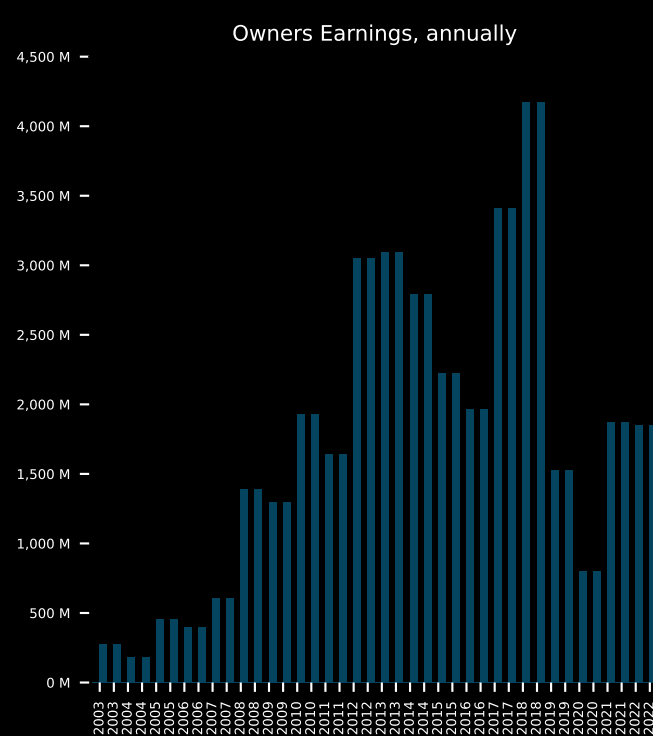
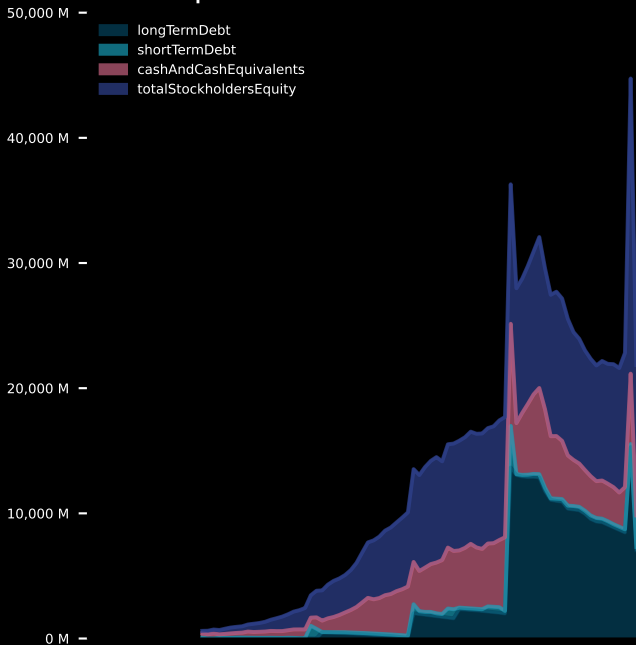
WDC / Computer Hardware / US / 2022-08-23



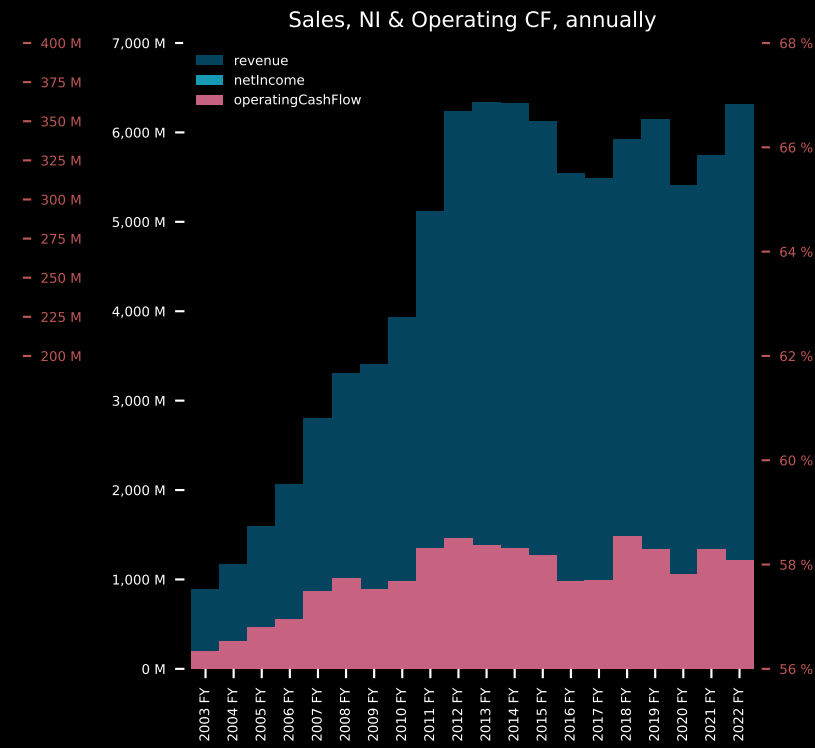
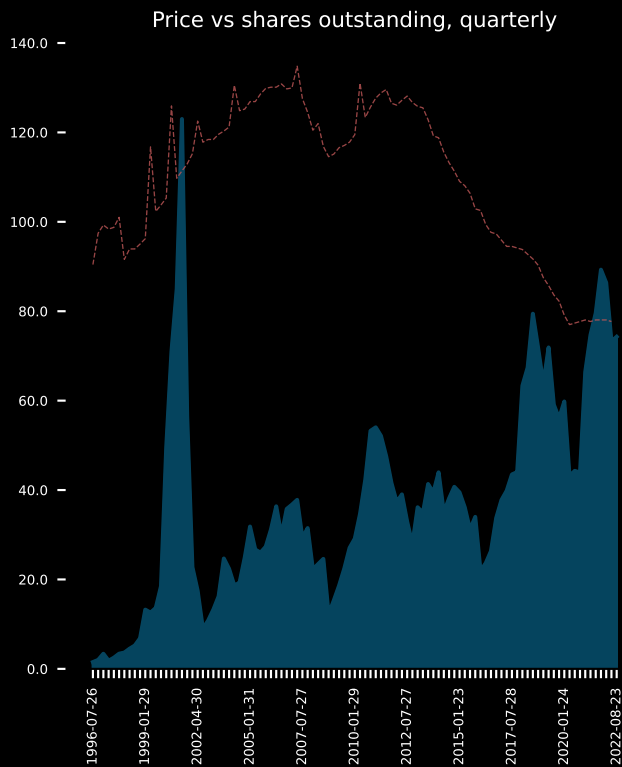
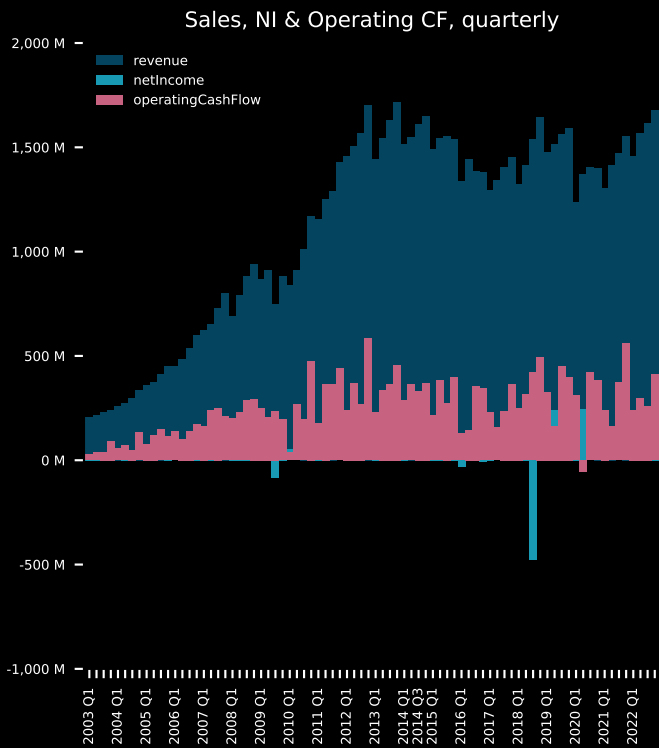
Western Digital Corporation develops, manufactures, and sells data storage devices and solutions in the United States, China, Hong Kong, Europe, the Middle East, Africa, rest of Asia, and internationally. It offers client devices, including hard disk drives (HDDs) and solid state drives (SSDs) for computing devices, such as desktop and notebook personal computers (PCs), smart video systems, gaming consoles, and set top boxes; flash-based embedded storage products for mobile phones, tablets, notebook PCs, and other portable and wearable devices, as well as automotive, Internet of Things, industrial, and connected home applications; and flash-based memory wafers. The company also provides data center devices and solutions comprising enterprise helium hard drives; enterprise SSDs consisting of flash-based SSDs and software solutions for use in enterprise servers, online transactions, data analysis, and other enterprise applications; data center solutions for data storage systems and tiered storage models; and data storage platforms. In addition, it offers client solutions, such as external HDD storage products in mobile and desktop form; client



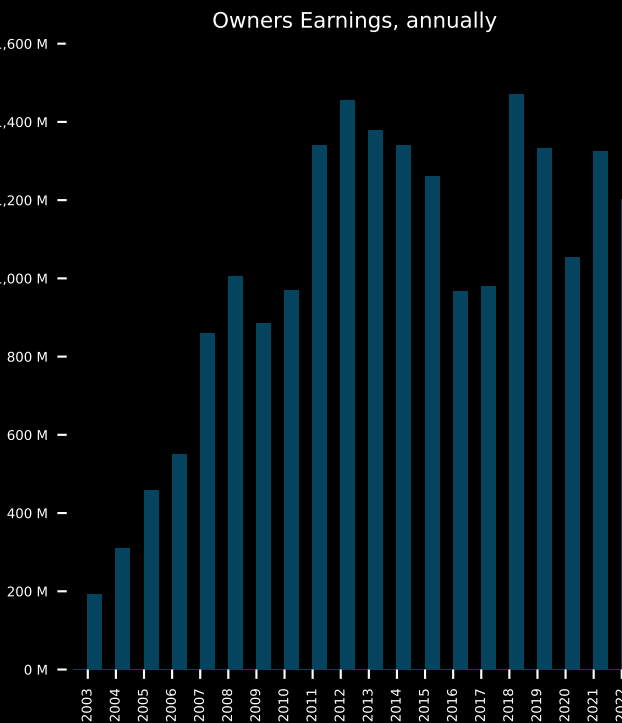
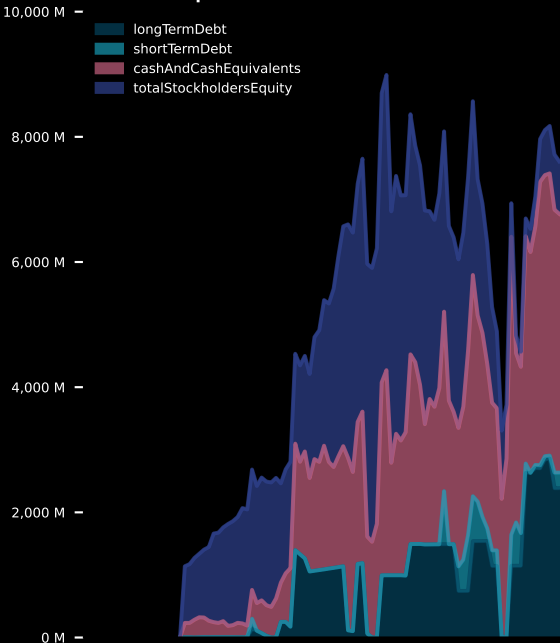
WDC / Computer Hardware / US / 2022-08-23



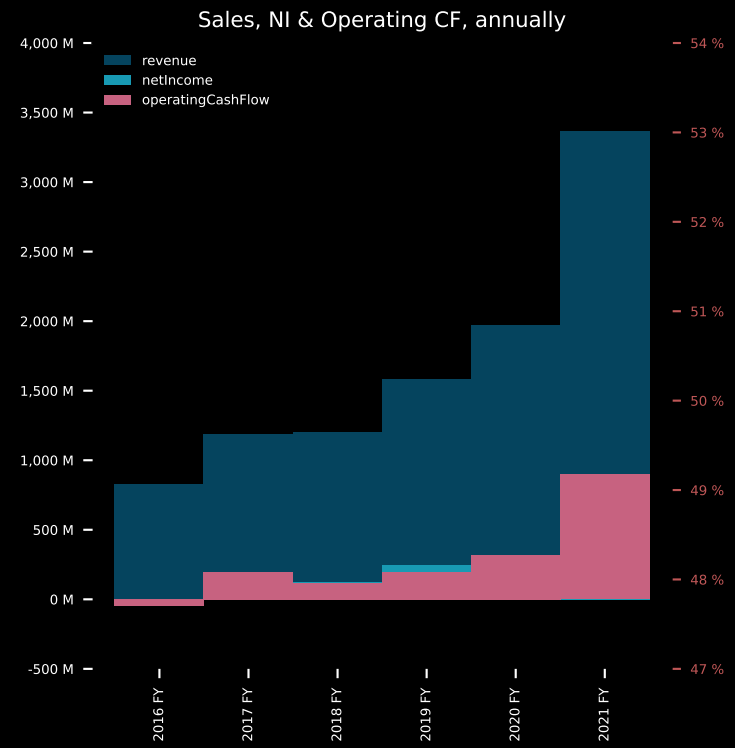
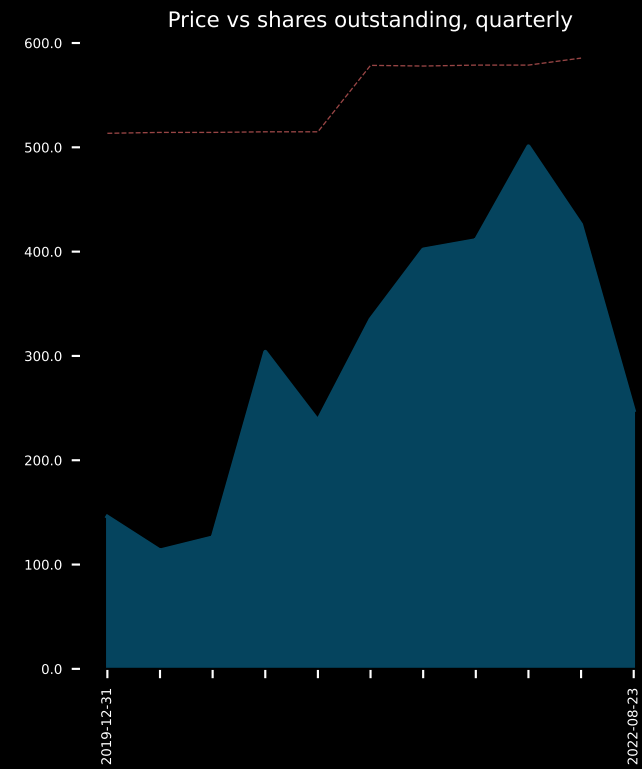
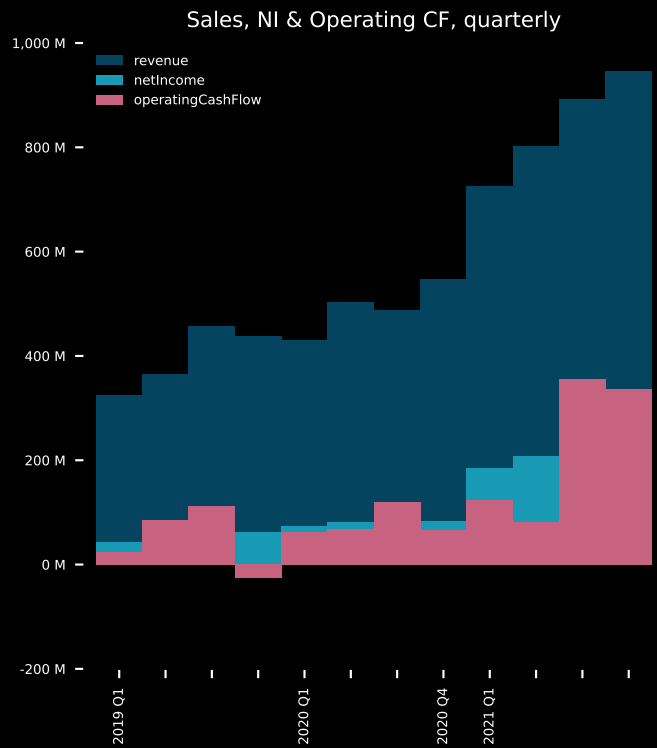
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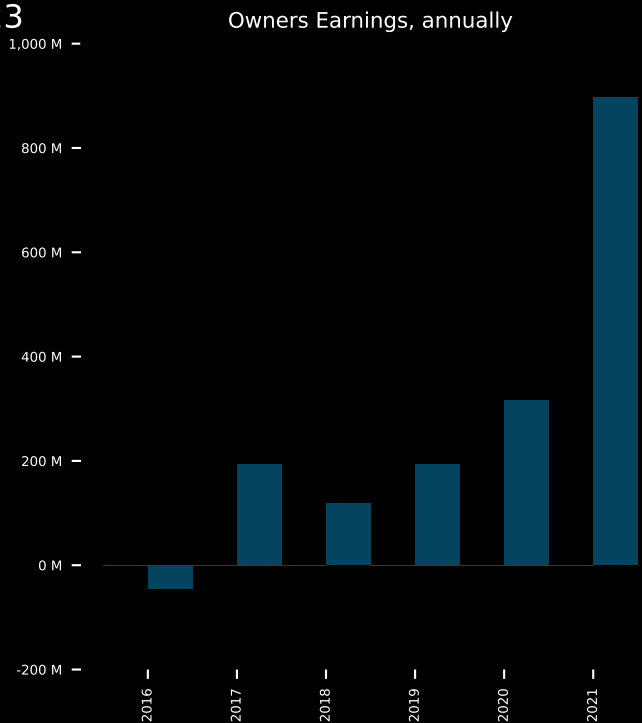
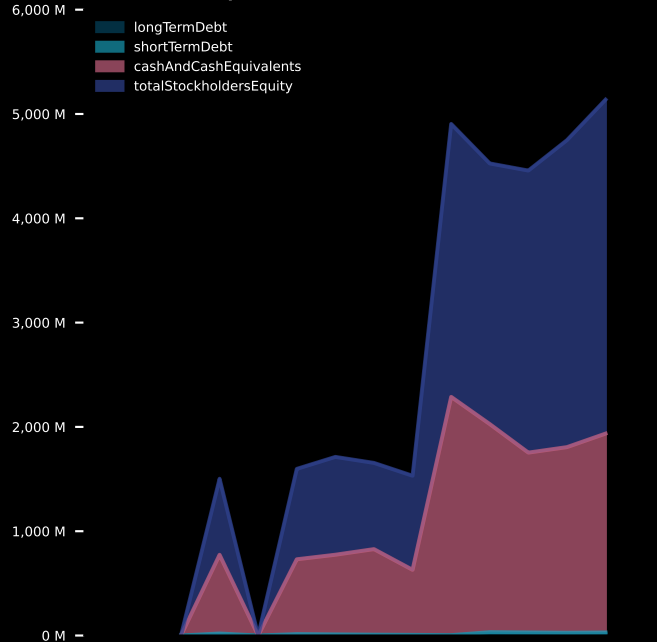
NTAP / Computer Hardware / US / 2022-08-23



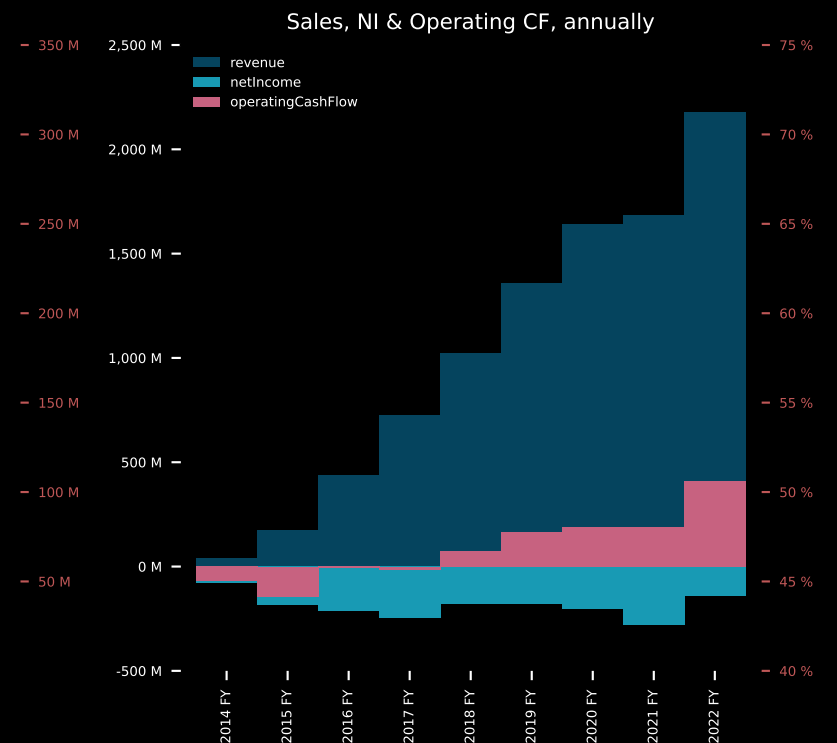
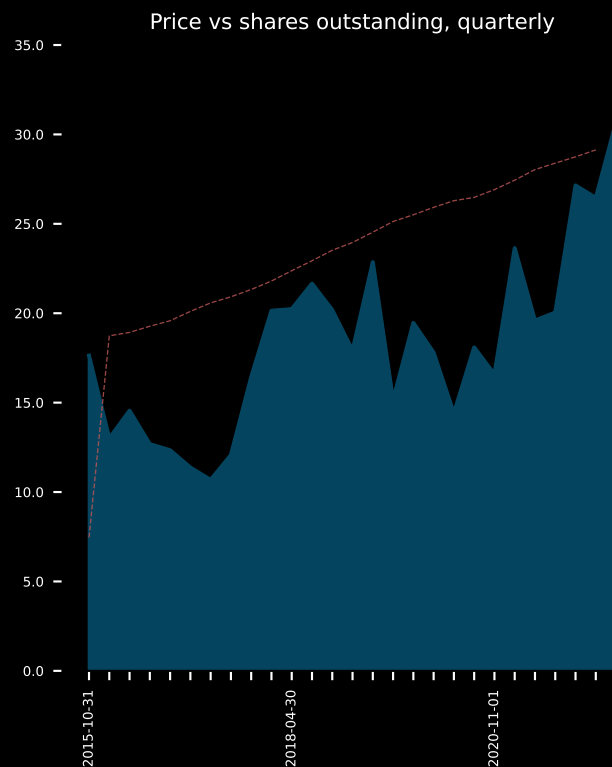
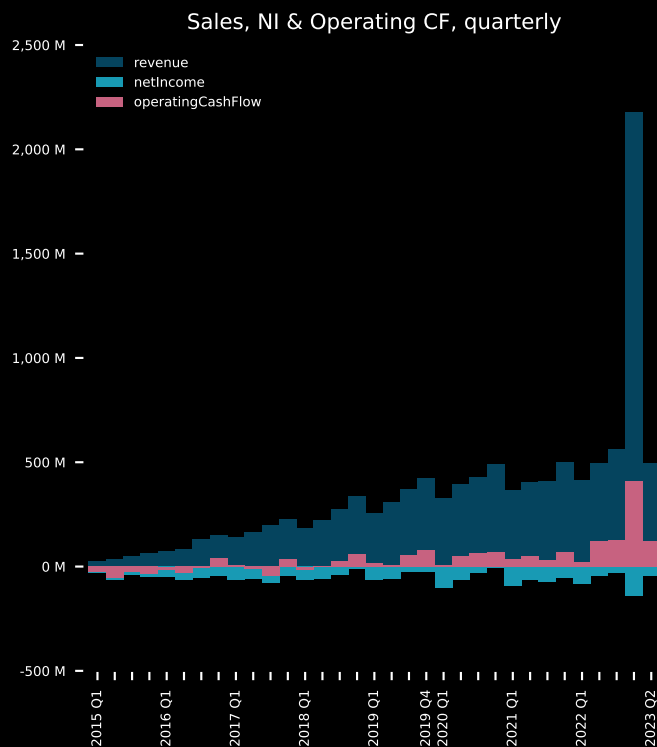
NetApp, Inc. provides software, systems, and cloud services to manage and share data on-premises, and private and public clouds worldwide. The company offers cloud storage services, including NetApp Cloud Volumes; cloud control solutions, such as NetApp Cloud Manager and NetApp Virtual Desktop Service; cloud services and analytics comprising NetApp Cloud Insights, NetApp Cloud Sync, NetApp Cloud Compliance, NetApp Cloud Tiering, NetApp SaaS Backup, NetApp Cloud Backup, and NetApp Global File Cache; and Cloud Optimization solutions, such as Spot by NetApp, Spot Cloud Analyzer by NetApp, Spot Eco by NetApp, Spot Ocean by NetApp, Spot Wave by NetApp, Spot Elastigroup by NetApp, and NetApp Virtual Desktop Managed Service. It provides data storage solutions comprising NetApp All-Flash FAS series, NetApp Fabric Attached Storage, NetApp FlexPod, NetApp E/EF series, NetApp StorageGRID, NetApp SolidFire, and NetApp HCI; data protection solutions, such as NetApp SnapCenter Backup Management, NetApp SnapMirror Data Replication, NetApp SnapLock Data Compliance, and NetApp Data Availability Services; and data management solutions, including NetApp ONTAP Cloud.



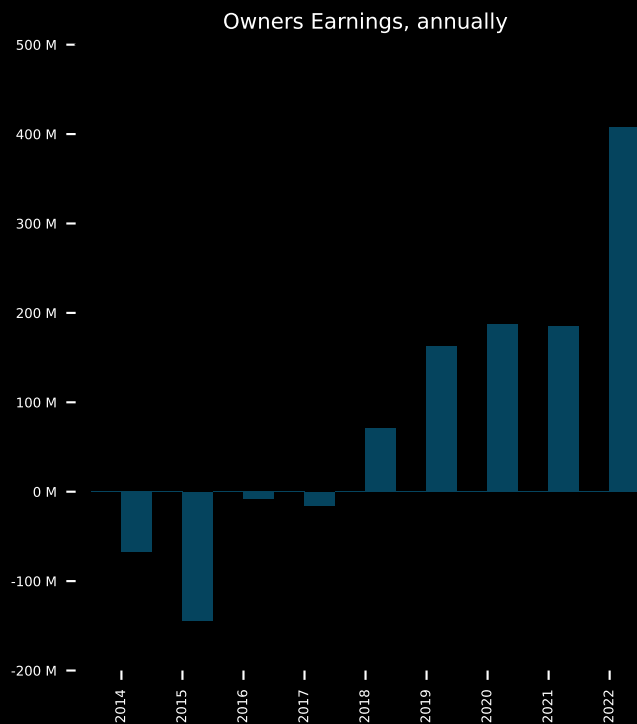
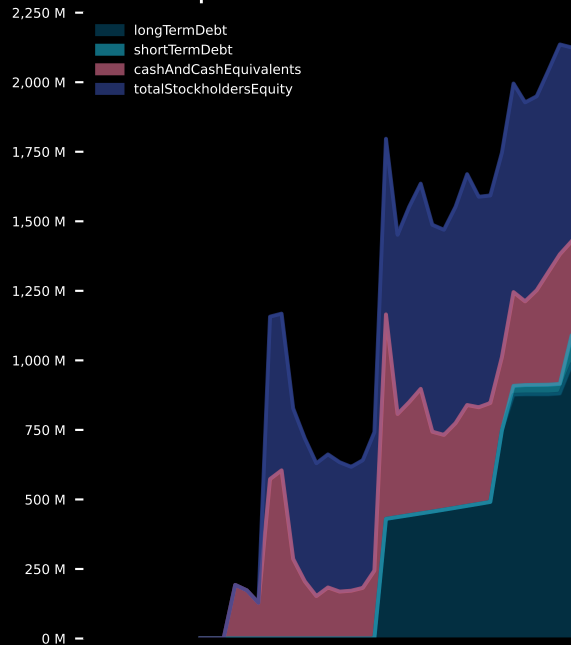
6756.TW / Computer Hardware / US / 2022-08-23



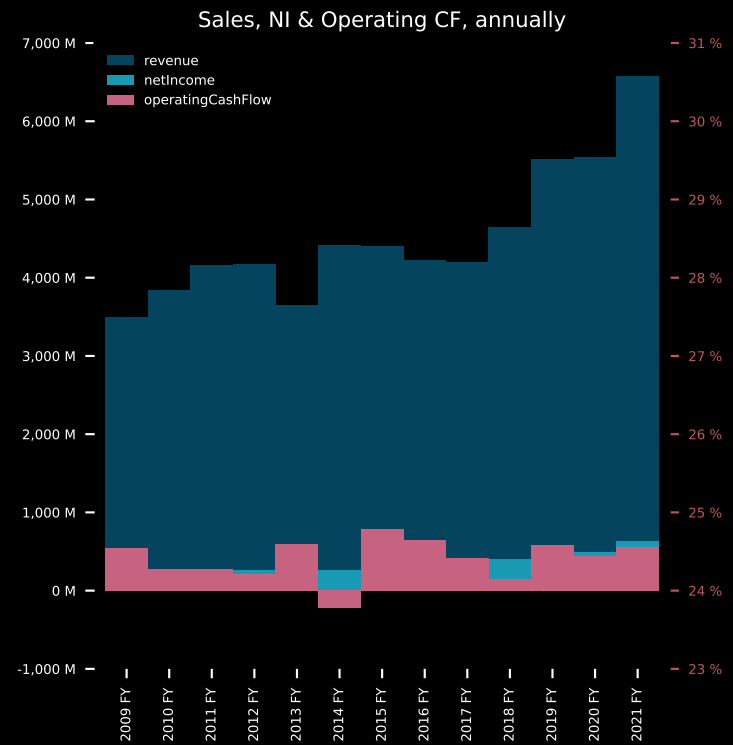
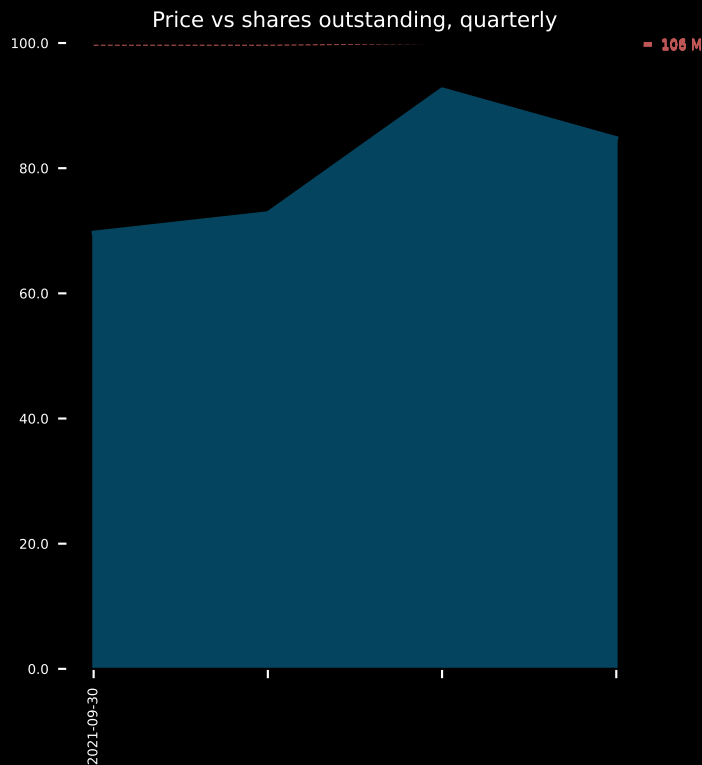
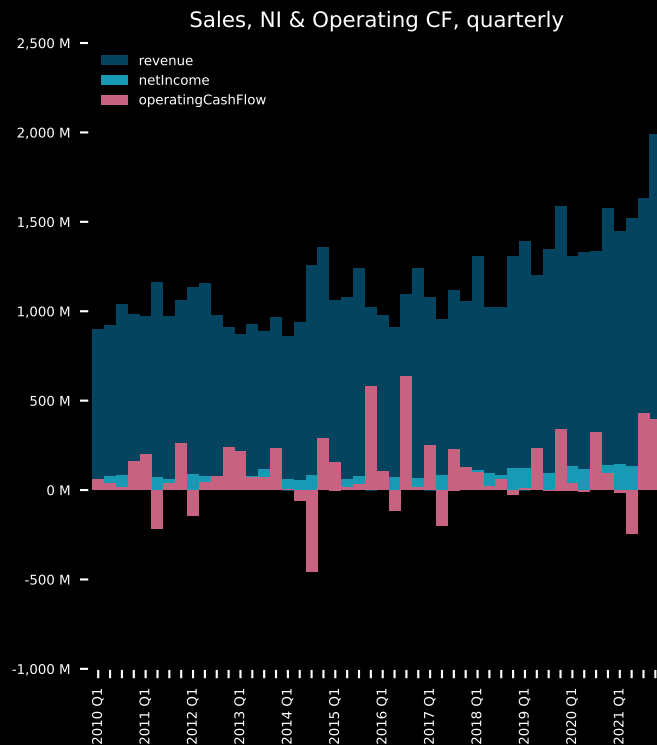
VIA Labs, Inc. engages in the research, design, manufacture, and sale of USB and USB power delivery controllers for multi-functional devices and platforms in Taiwan, Hong Kong, China, Europe, Japan, and internationally. The company offers host, hub, and SATA bridge controllers; USB type-C products, including electronic markers, display port alternate mode products, USB data switches, USB audio products, and re-drivers; and power related IC products, such as USB-C DFP CC controllers, USB-C UFP CC controllers, and USB PD wall adapters. It also provides contract testing, sales marketing support, integrated circuits chip testing, and technical support services. The company was founded in 1997 and is headquartered in New Taipei City, Taiwan. VIA Labs, Inc. is a subsidiary of VIA Technologies, Inc.



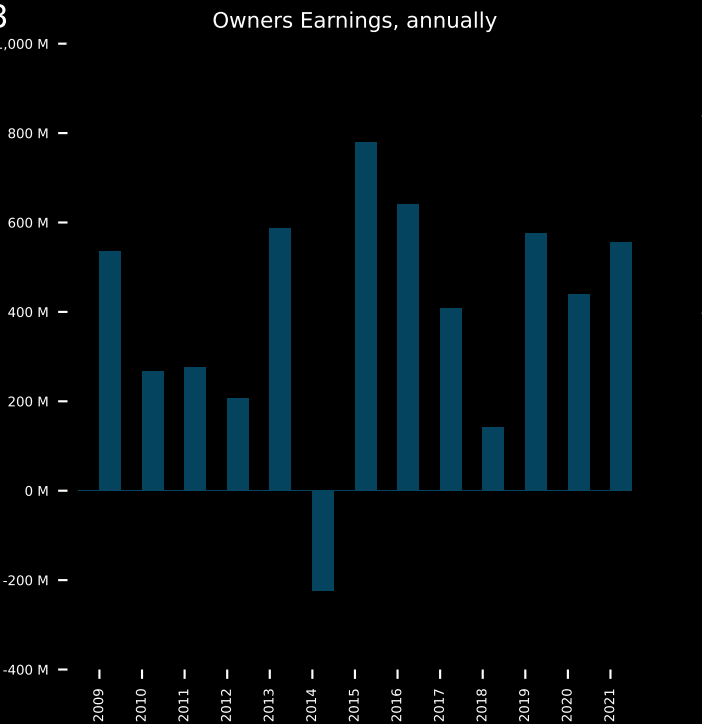
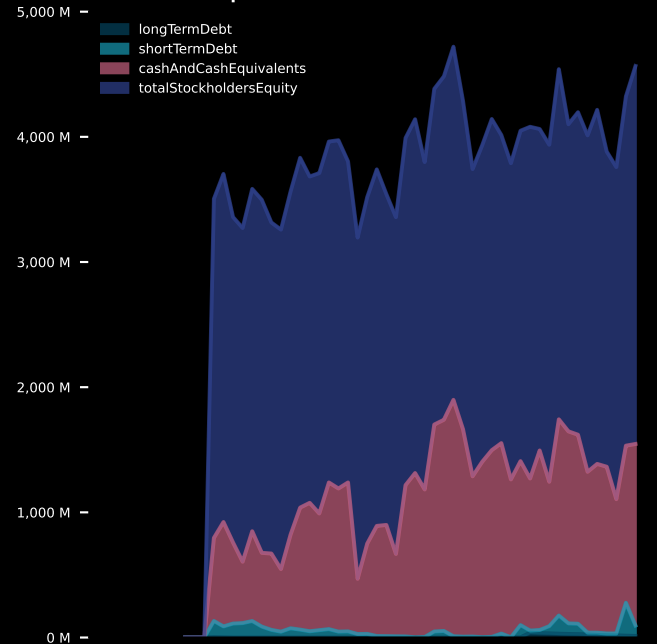
PSTG / Computer Hardware / US / 2022-08-23



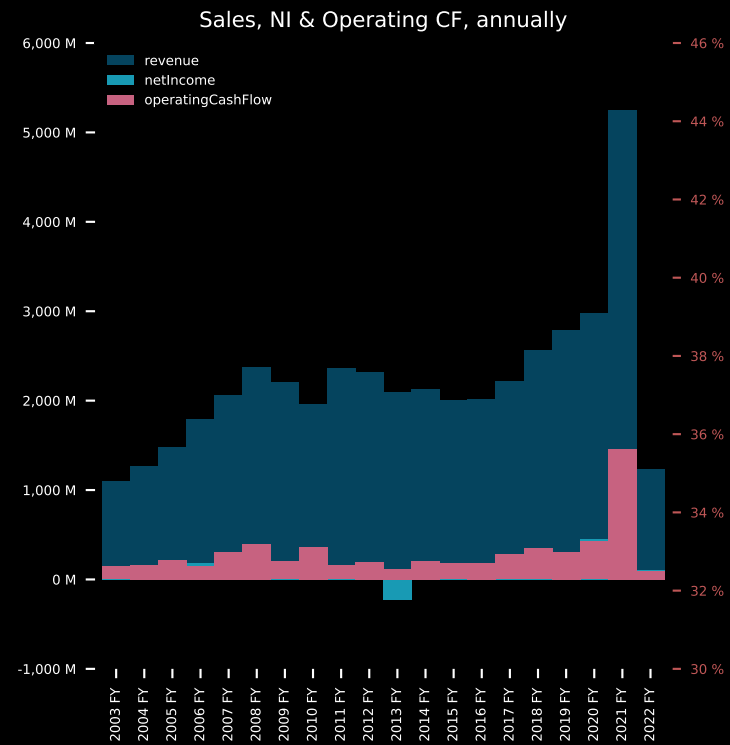
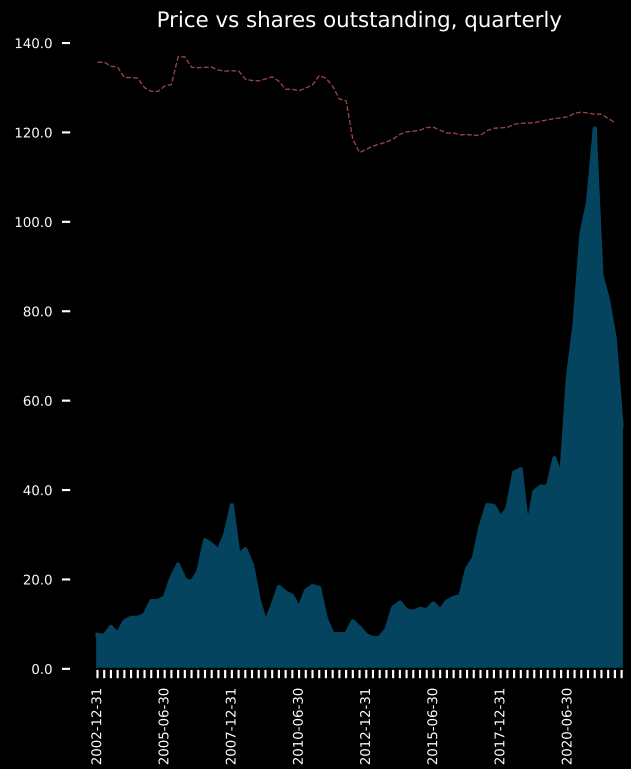
Pure Storage, Inc. provides data storage technologies, products, and services in the United States and internationally. The company's Purity software is shared across its products and provides enterprise-class data services, such as data reduction, data protection, and encryption, as well as storage protocols, including block, file, and object. Its products portfolio includes FlashArray for block-oriented storage, addressing databases, applications, virtual machines, and other traditional workloads; FlashArray//XL; and FlashArray//C, an all-QLC flash array. The company also provides FlashBlade, a solution for unstructured data workloads of various types; FlashStack that combines compute, network, and storage to provide an infrastructure platform; FlashRecover, an all-flash modern data-protection solution; and AIRI, a full-stack AI-ready infrastructure. In addition, it offers evergreen storage subscription, Pure as-a-Service, and Cloud Block Store, as well as Portworx a cloud-native Kubernetes data management solution. It also offers technical and professional, training and education, and certification services. The company sells its products and services through a direct sales model.



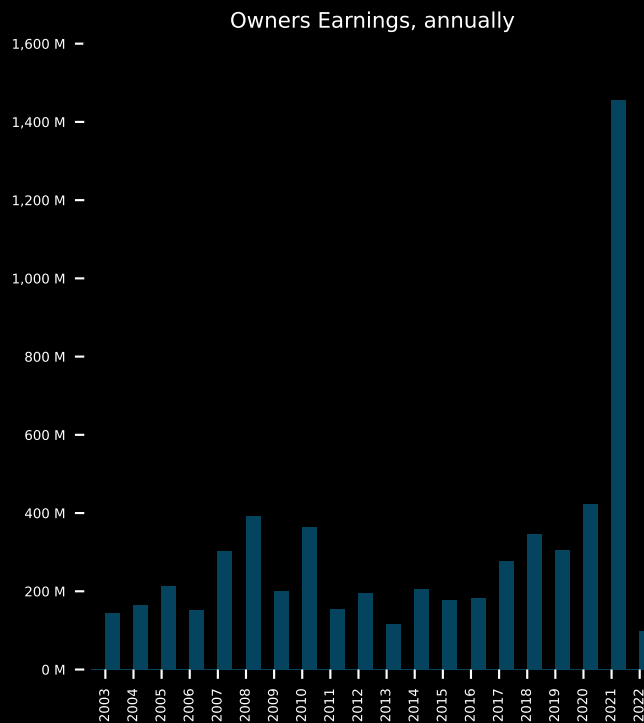
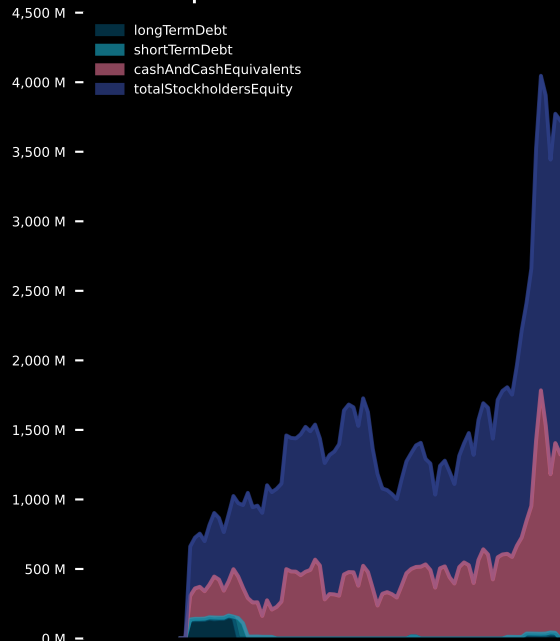
2480.TW / Computer Hardware / US / 2022-08-23



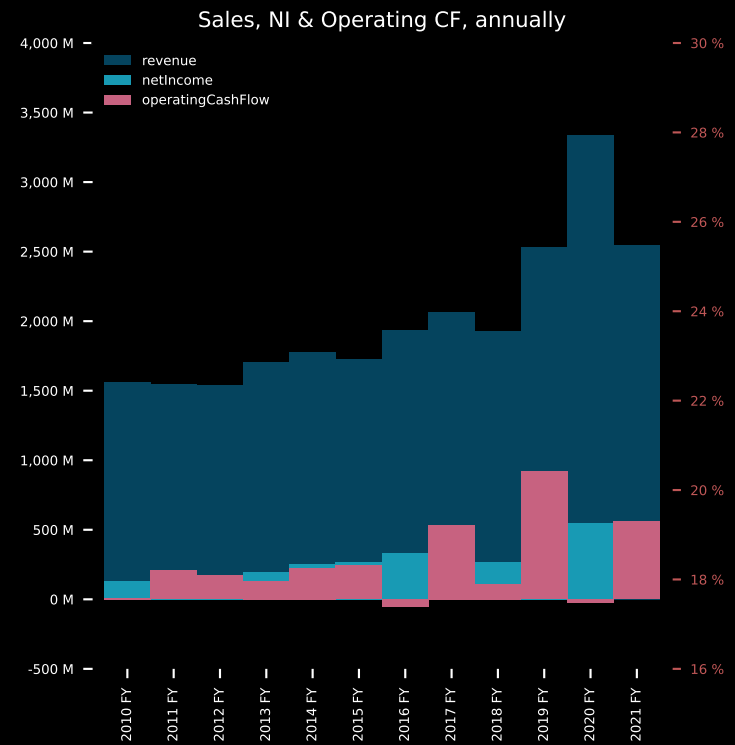
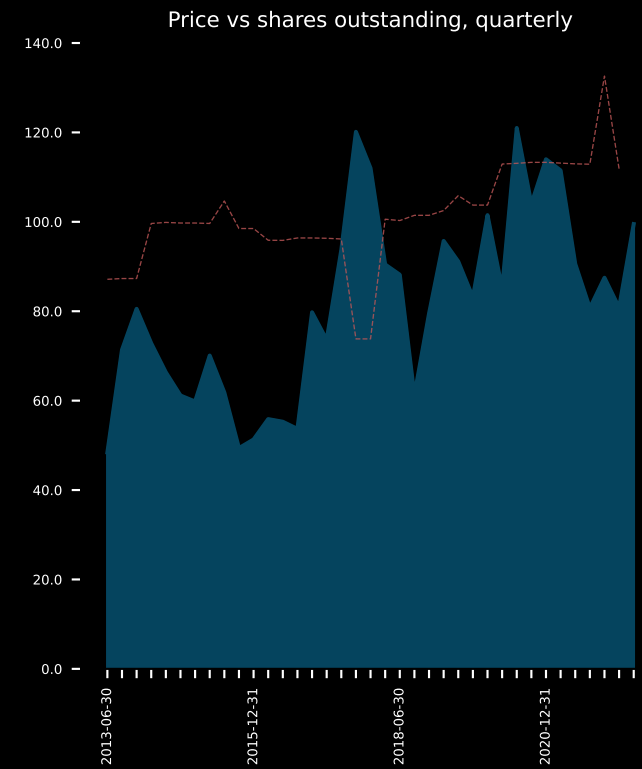
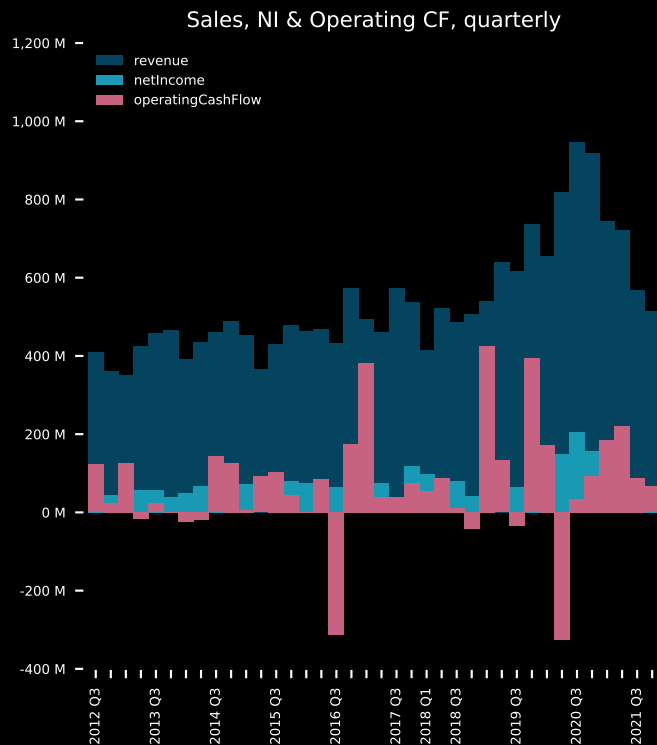
Stark Technology, Inc. provides system integration services for information and communication technology products in Taiwan. It offers systems integration services in the areas of infrastructure, peripheral, enterprise network, application software, and telecom, as well as professional, implementation, and consulting and maintenance services. The company also provides information security services, such as network and content security; and enterprise, hi-tech, FSI, telecom, and public sector industrial applications. It serves financial services, education and research, high tech manufacturing, electronics, communications, transportation and automotive, healthcare and hospitality, and other industries, as well as government. Stark Technology, Inc. was founded in 1993 and is headquartered in Hsinchu City, Taiwan.



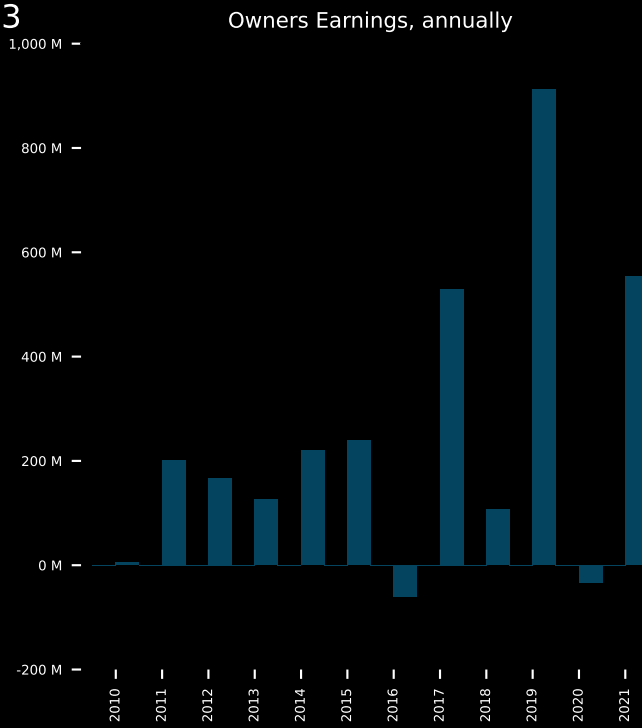
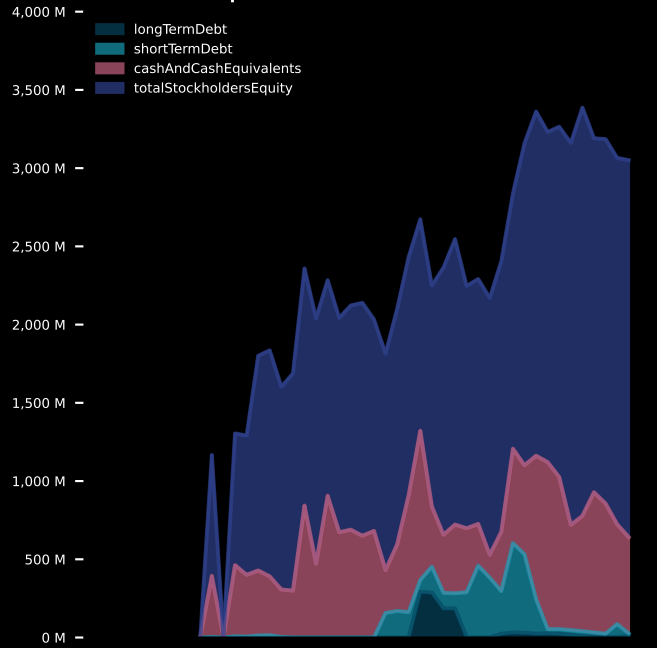
LOGI / Computer Hardware / CH / 2022-08-23



Logitech International S.A., through its subsidiaries, designs, manufactures, and markets products that helps people connect to digital and cloud experiences worldwide. The company offers pointing devices, such as wireless mouse; corded and cordless keyboards, living room keyboards, and keyboard-and-mouse combinations; PC webcams; and keyboards for tablets and smartphones, as well as other accessories for mobile devices. It also provides keyboards, mice, headsets, and simulation products, such as steering wheels and flight sticks for gamers; video conferencing products, and controllers for video conferencing room solutions; portable wireless Bluetooth and Wi-Fi connected speakers, PC speakers, PC headsets, microphones, in-ear headphones, and wireless audio wearables; home entertainment controllers for smart home devices comprising lighting, thermostats and door locks, and home security cameras. The company sells its products through a network of distributors, retailers, and e-tailers under the Logitech, Logitech G, ASTRO Gaming, Streamlabs, Blue Microphones, Ultimate Ears, and Jaybird brands. Its channel

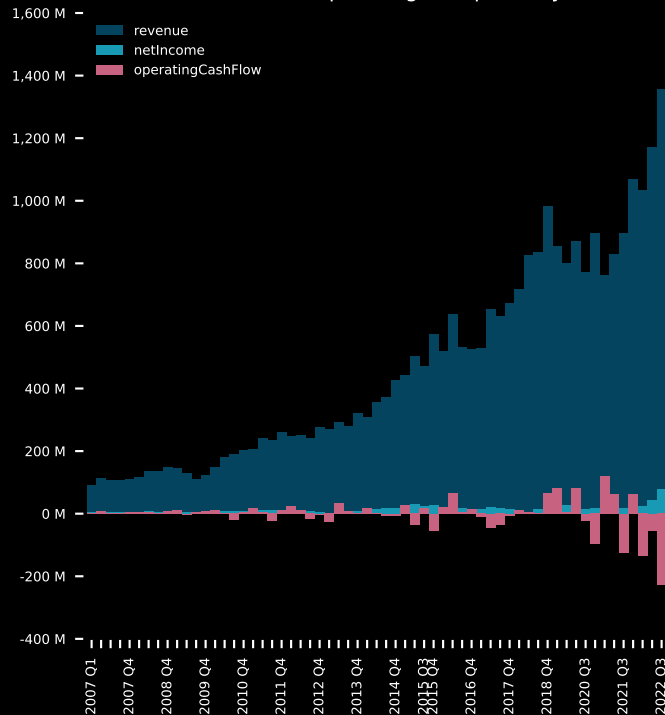


4977.TW / Computer Hardware / KY / 2022-08-23

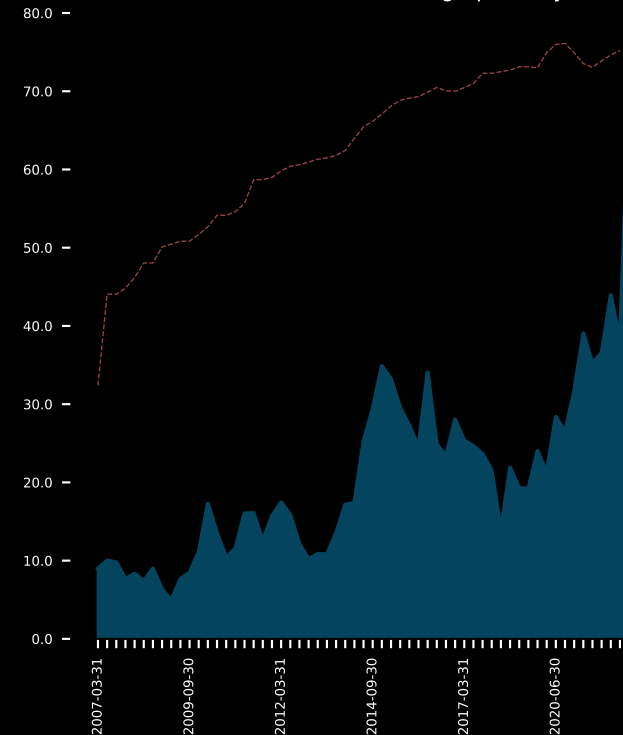


PCL Technologies, Inc., together with its subsidiaries, researches, manufactures, and sells optical transceiver products in Taiwan and internationally. The company offers fiber channels, TO-Can packages, and optical sub-assemblies, as well as fiber-to-the-home products to telecommunications and cable television companies. It also provides manufacturing services for various optical components and modules, including sub-assemblies and modules; generic and custom tooling design, and testing support and reliability services; and sales support, post-sales, and supply chain management services. The company serves the network communications, cloud computing, wireless communications, and telecommunications industries. PCL Technologies, Inc. was founded in 2007 and is headquartered in George Town, the Cayman Islands.

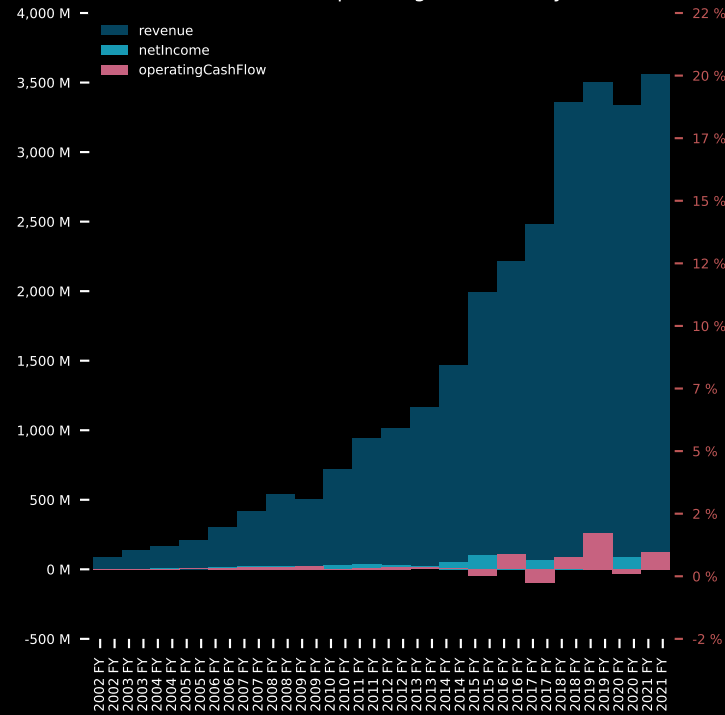
Sales, NI & Operating CF, quarterly



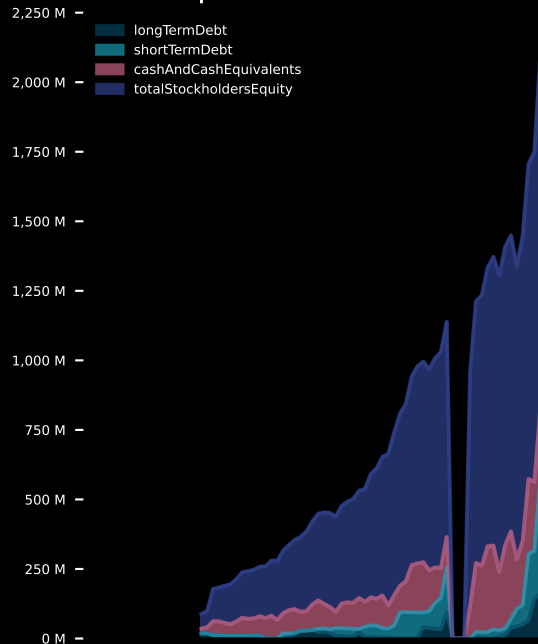
Price vs shares outstanding, quarterly



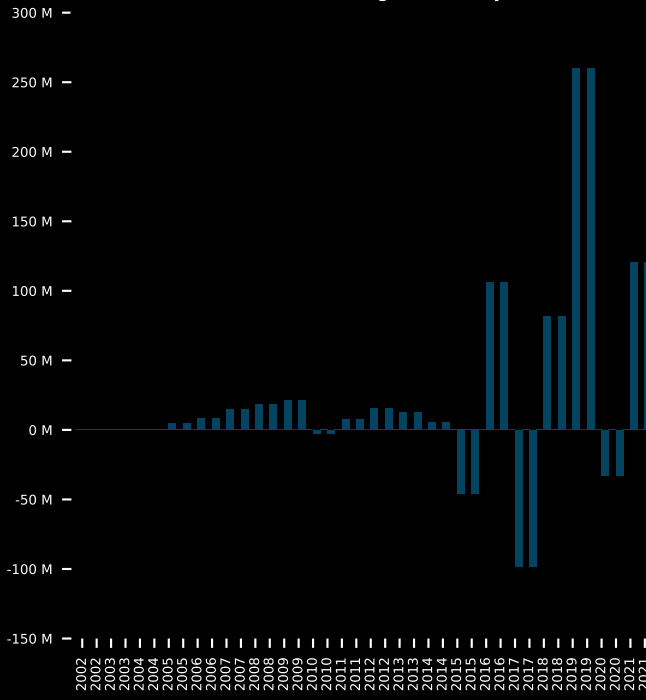
Sales, NI & Operating CF, annually



SMCI / Computer Hardware / US / 2022-08-23

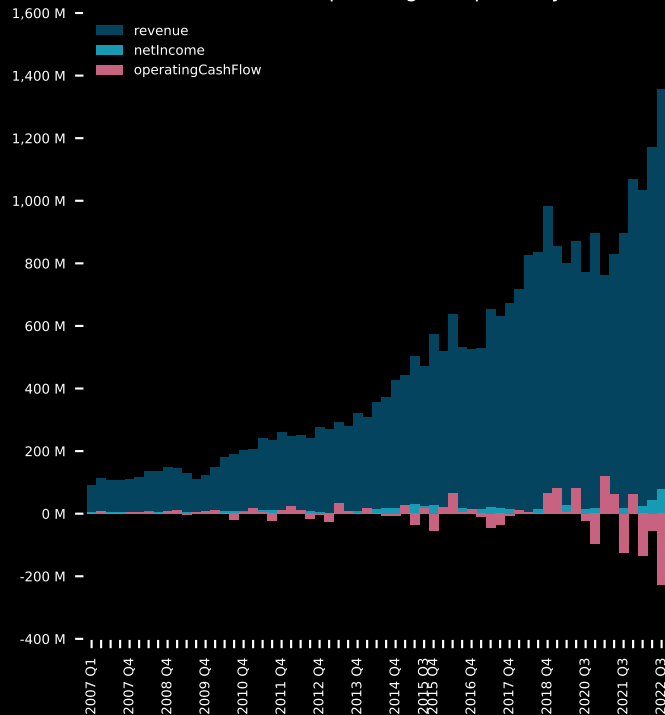


Owners Earnings, annually

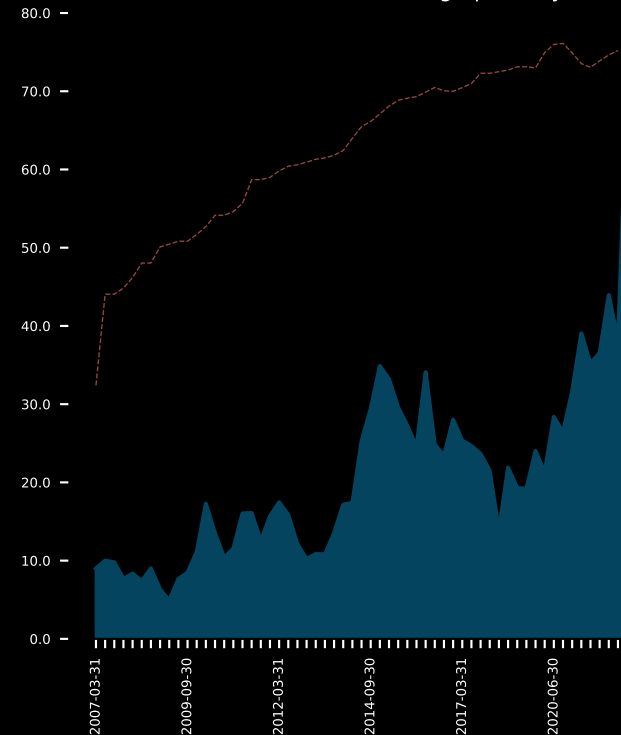


Super Micro Computer, Inc., together with its subsidiaries, develops and manufactures high-performance server and storage solutions based on modular and open architecture. Its solutions range from complete server, storage, modular blade servers, blades, workstations, full racks, networking devices, server management software, and server sub-systems, as well as support and services. The company also provides application-optimized server solutions, including rackmount and blade servers, storage systems, and subsystems and accessories; and server software management solutions, such as Server Management Suite, including Supermicro Server Manager, Supermicro Power Management software, Supermicro Update Manager, and SuperDoctor 5. In addition, it offers server subsystems and accessories comprising server boards, chassis, power supplies, and other accessories. Further, the company provides server and storage system integration, configuration, and software upgrade and update services; and technical documentation services, as well as identifies service requirements, creates and executes project plans, and conducts

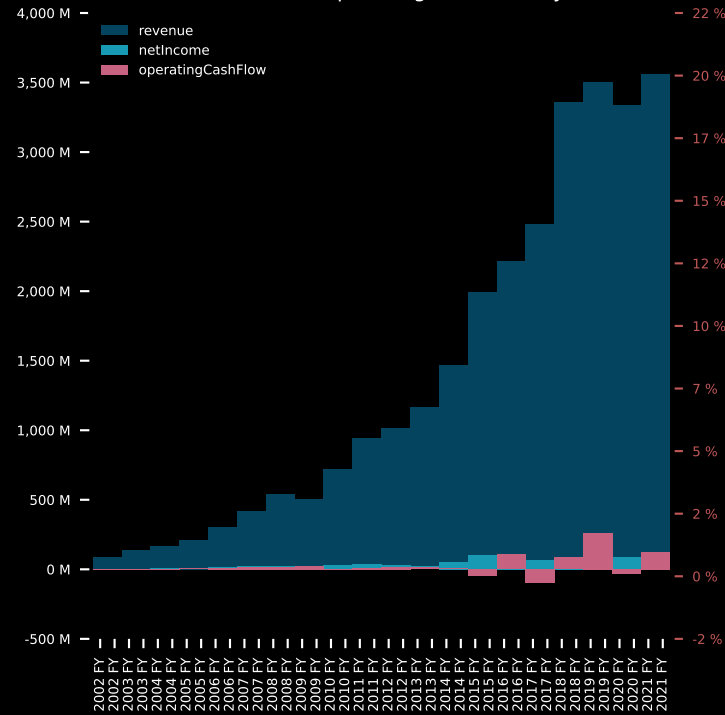
Sales, NI & Operating CF, quarterly



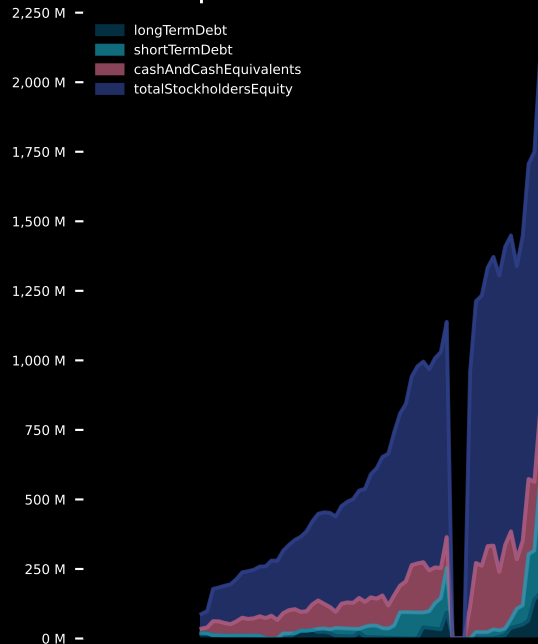
Price vs shares outstanding, quarterly



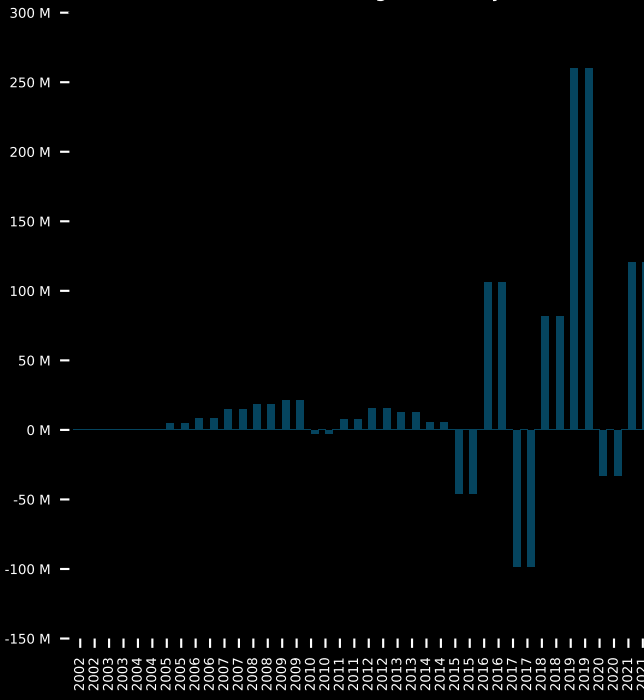
Sales, NI & Operating CF, annually



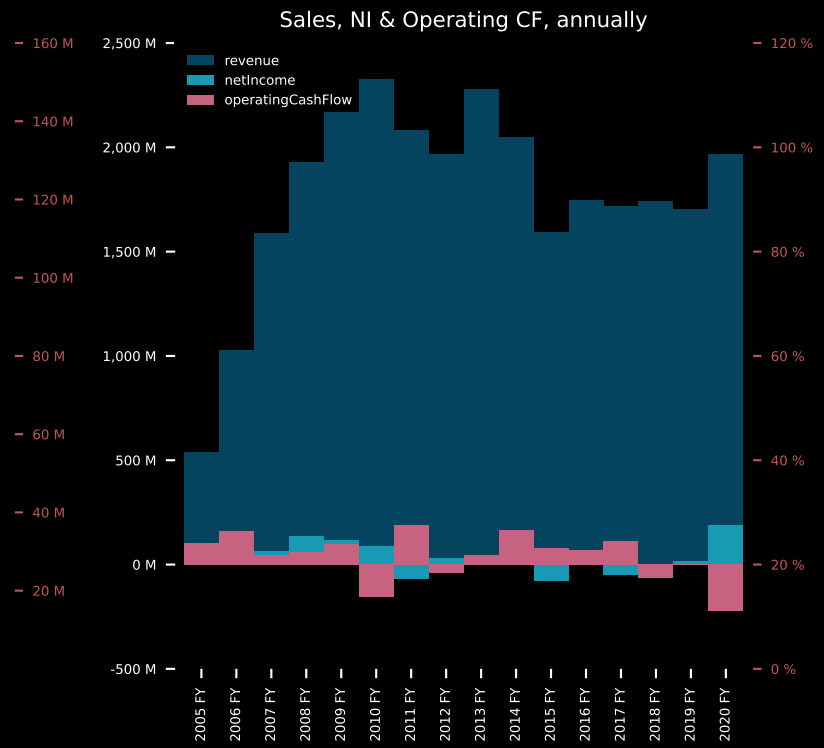
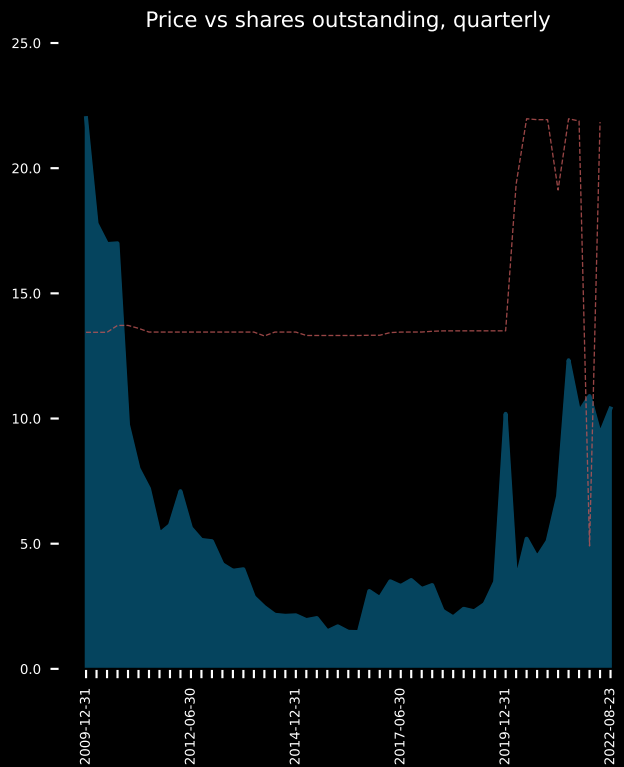
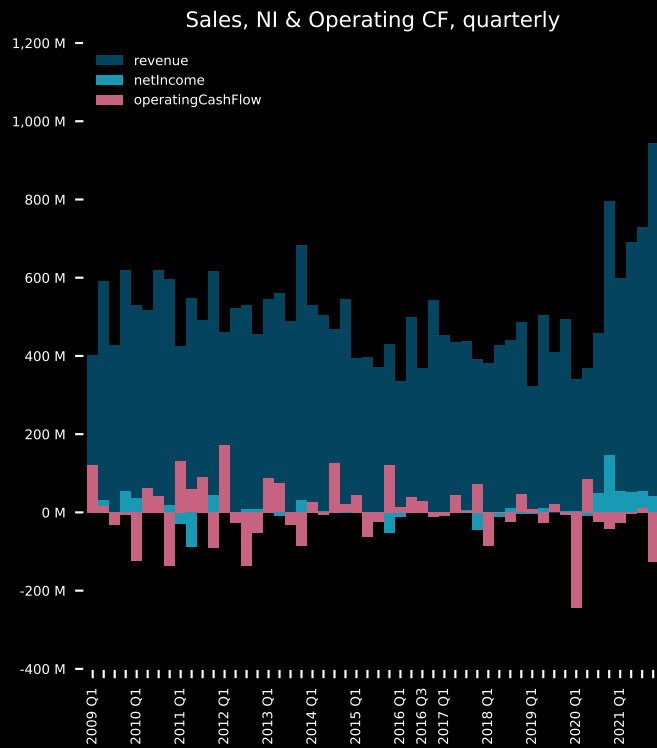
SMCI / Computer Hardware / US / 2022-08-23



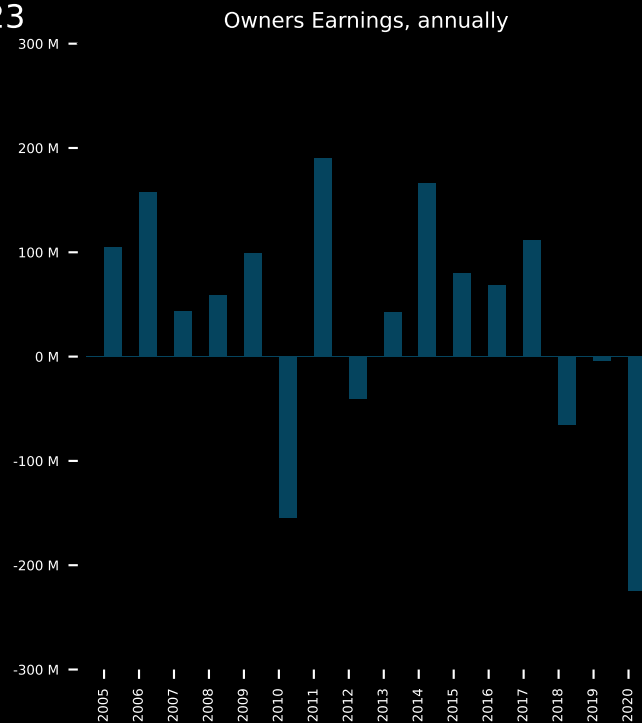
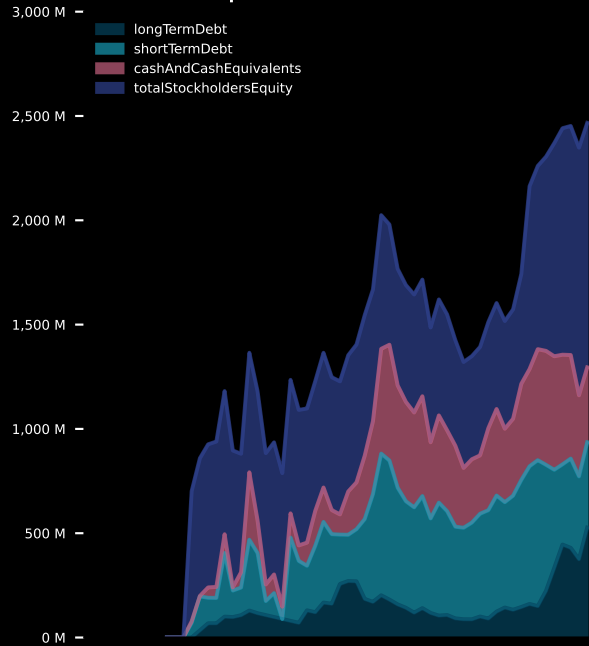
Owners Earnings, annually



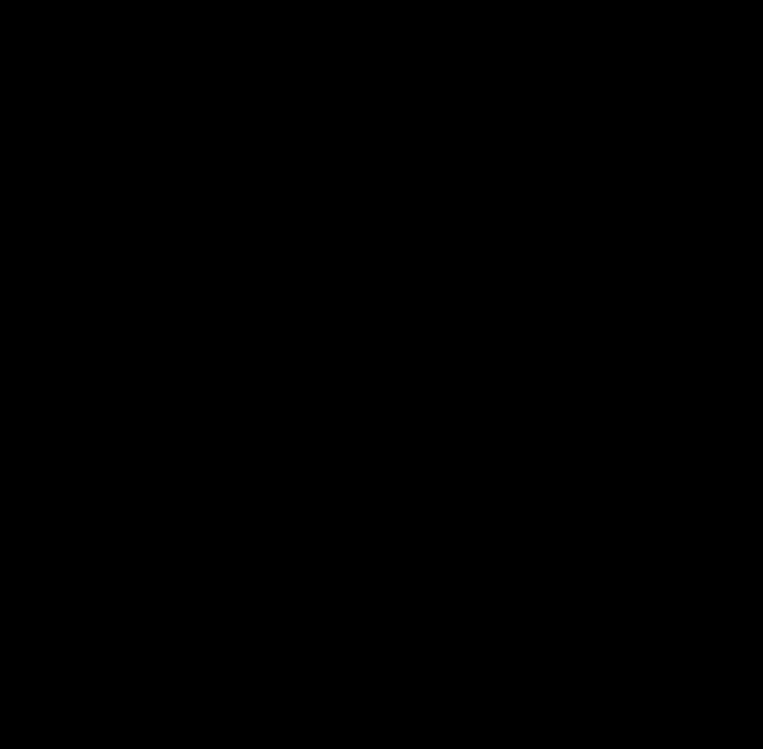
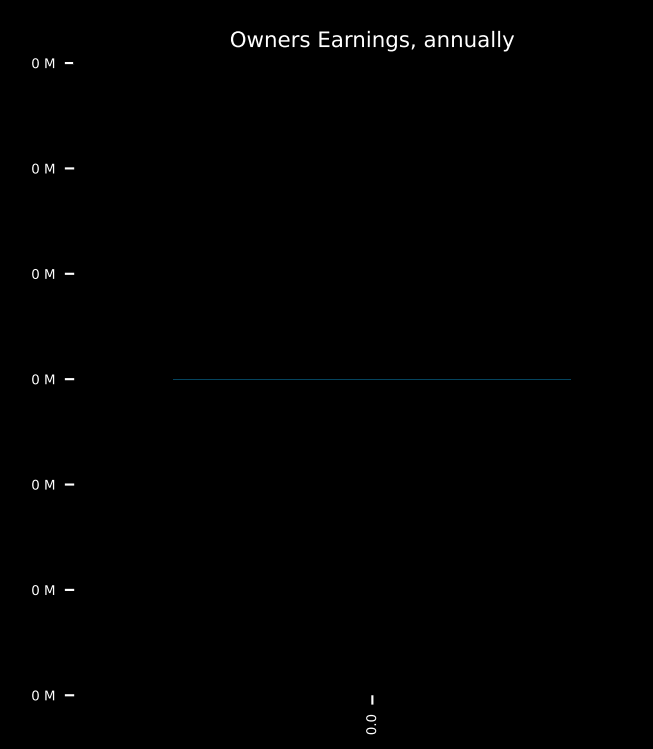
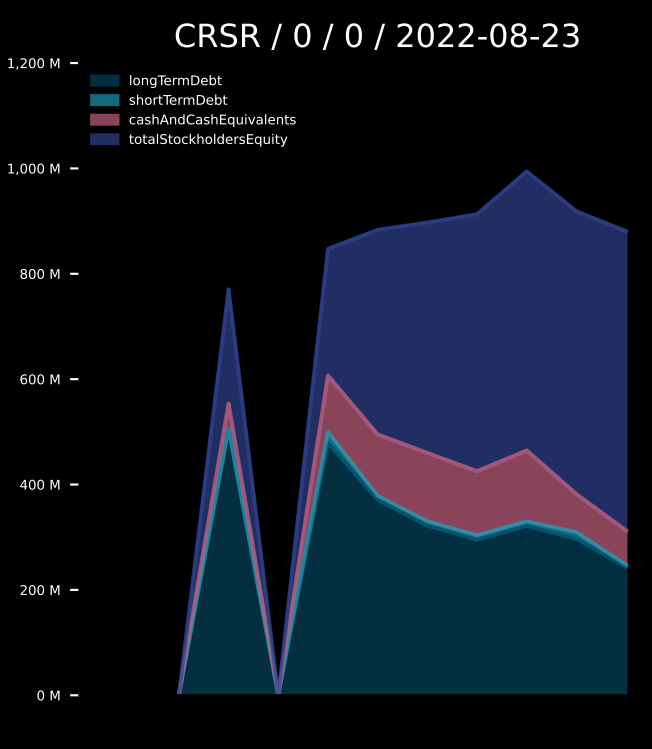
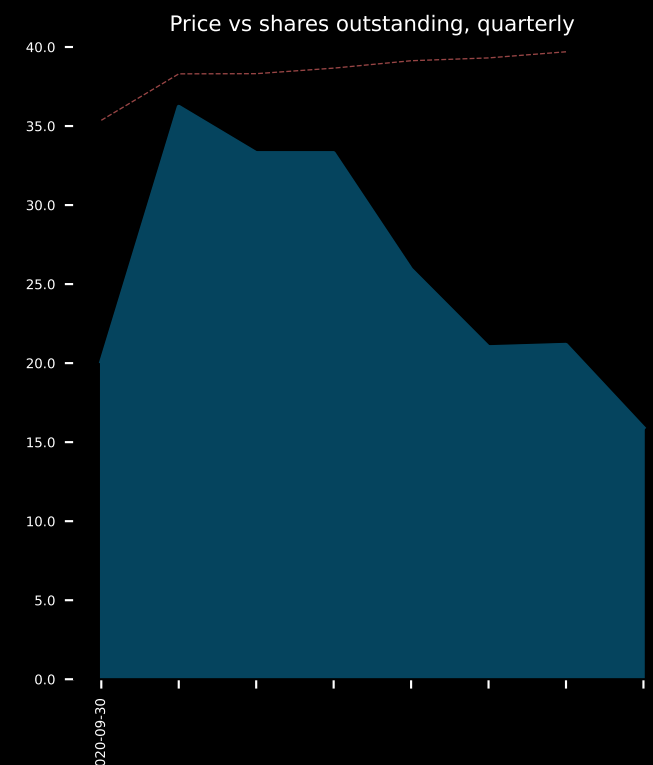
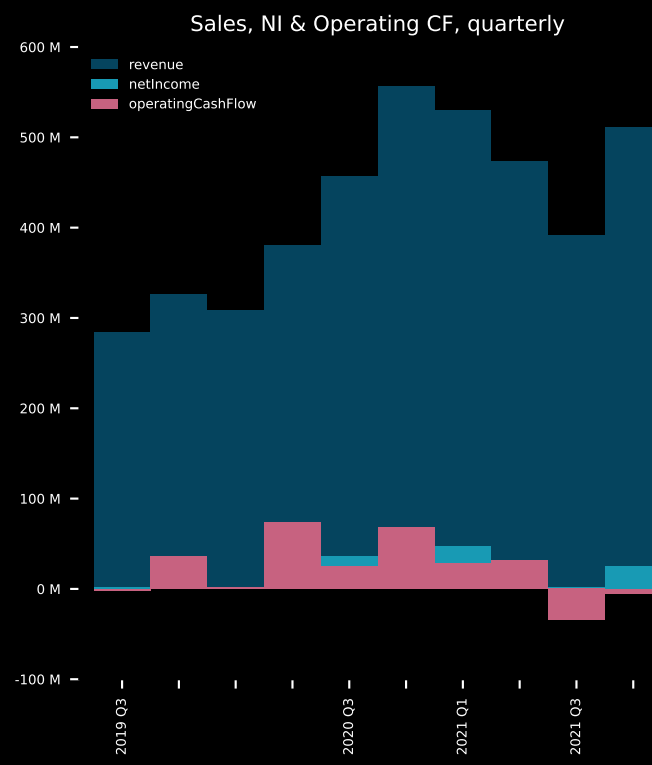
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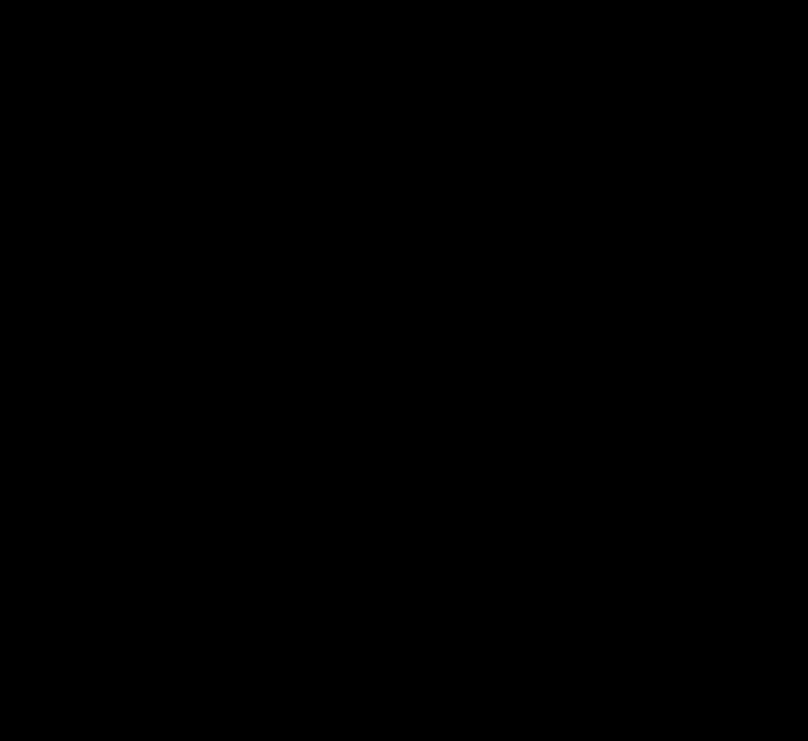
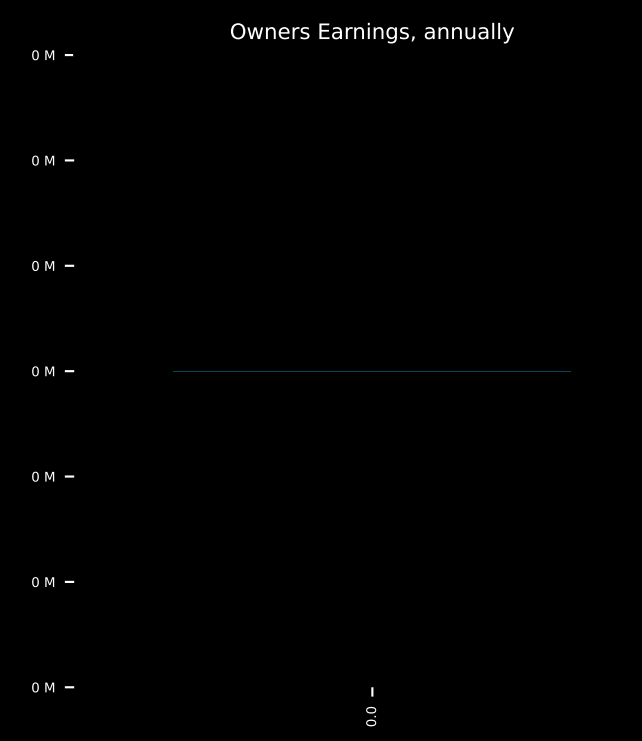
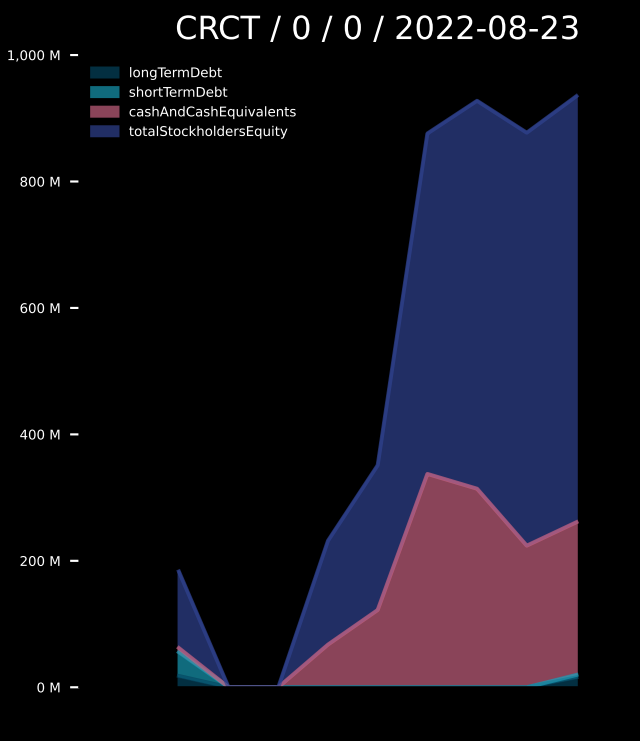
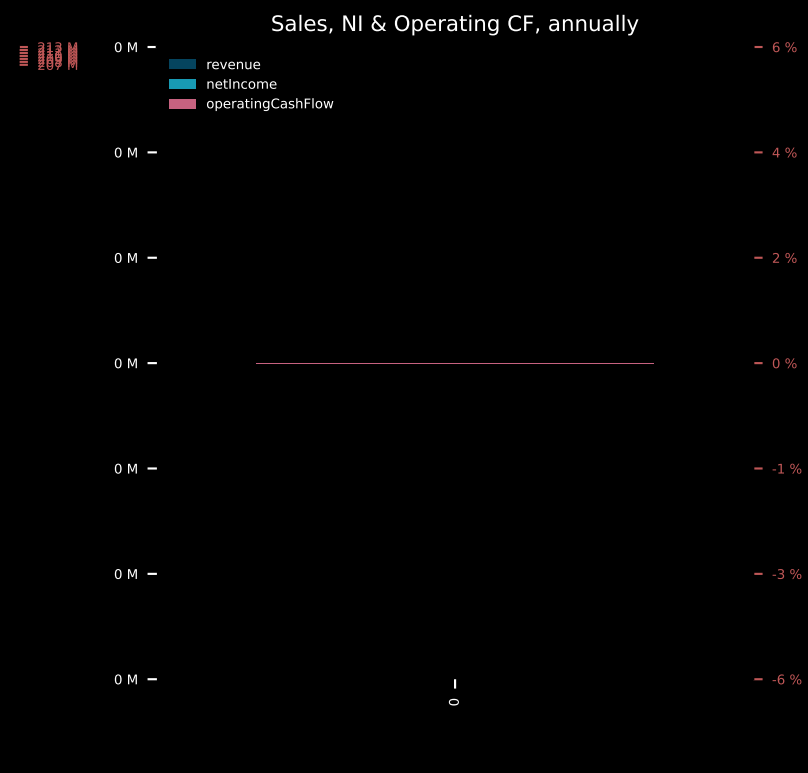
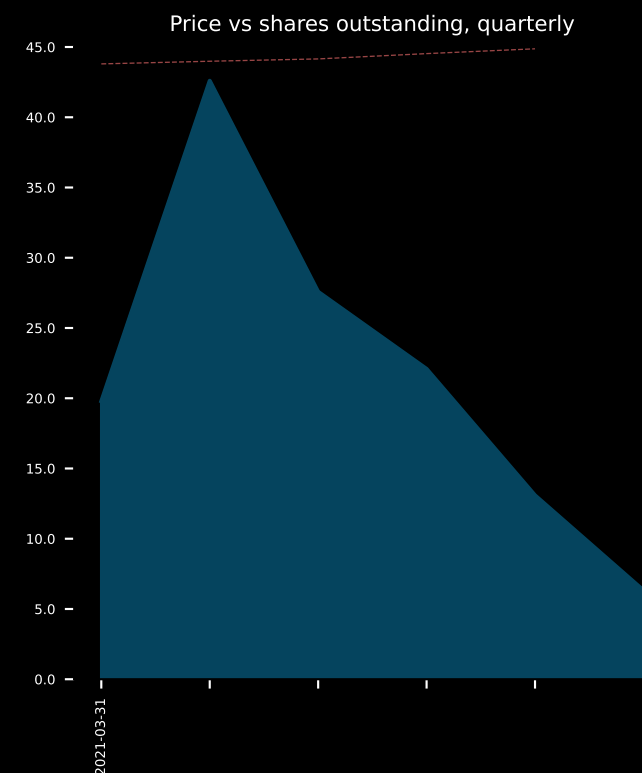
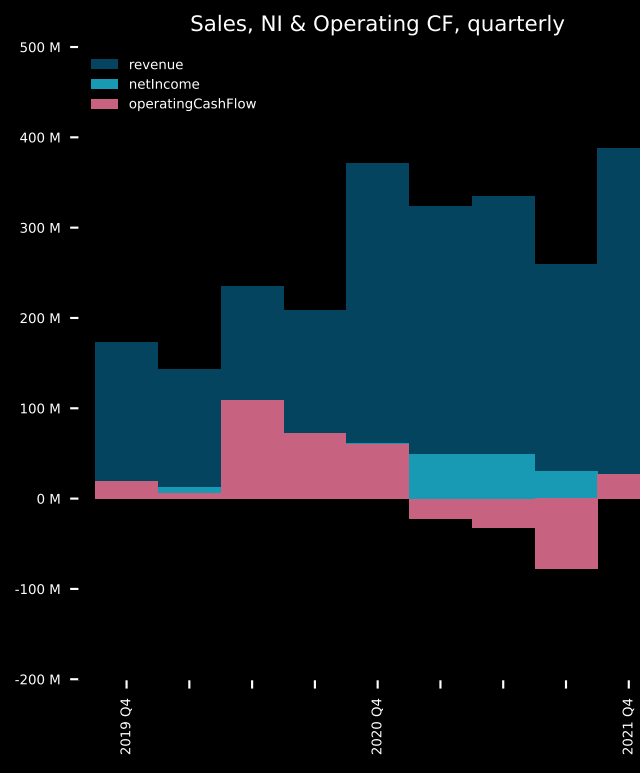


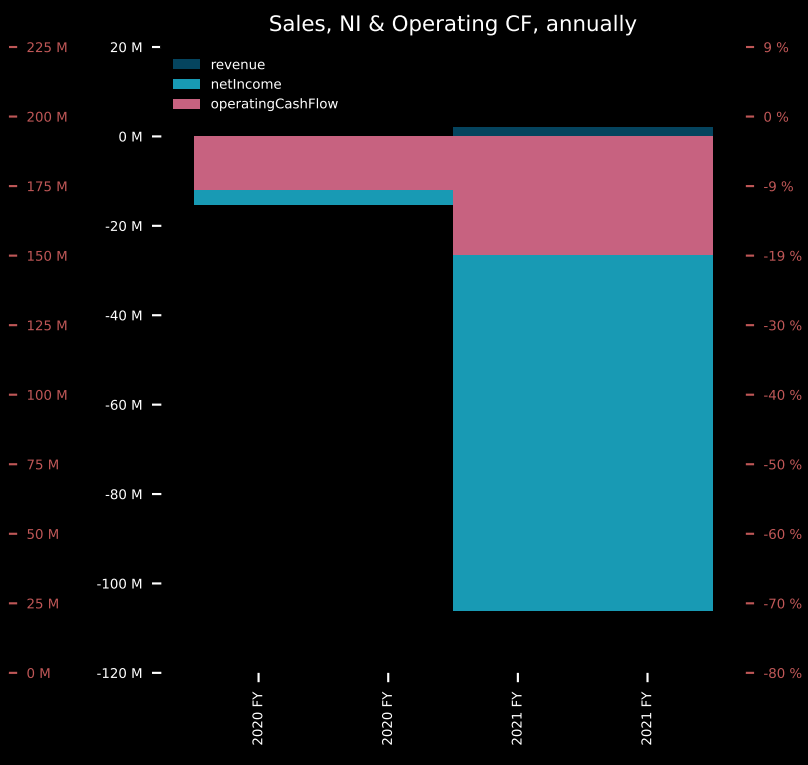
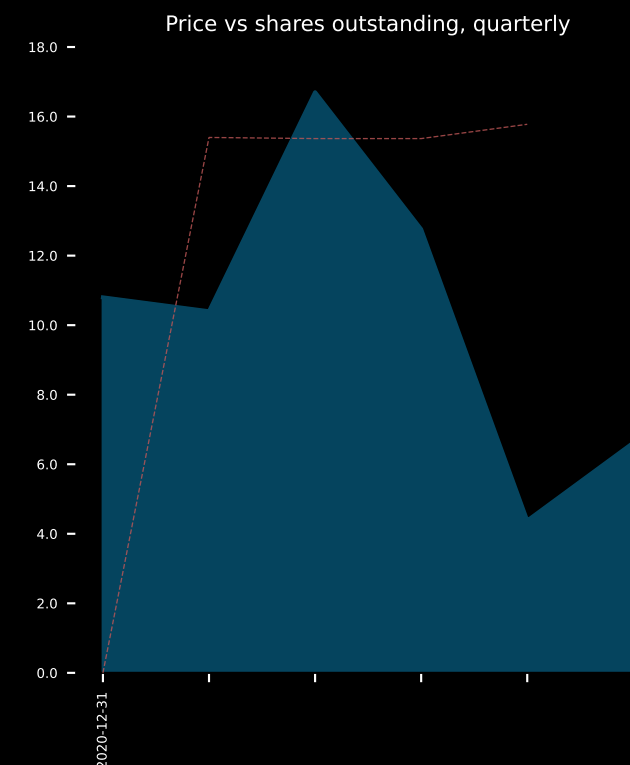
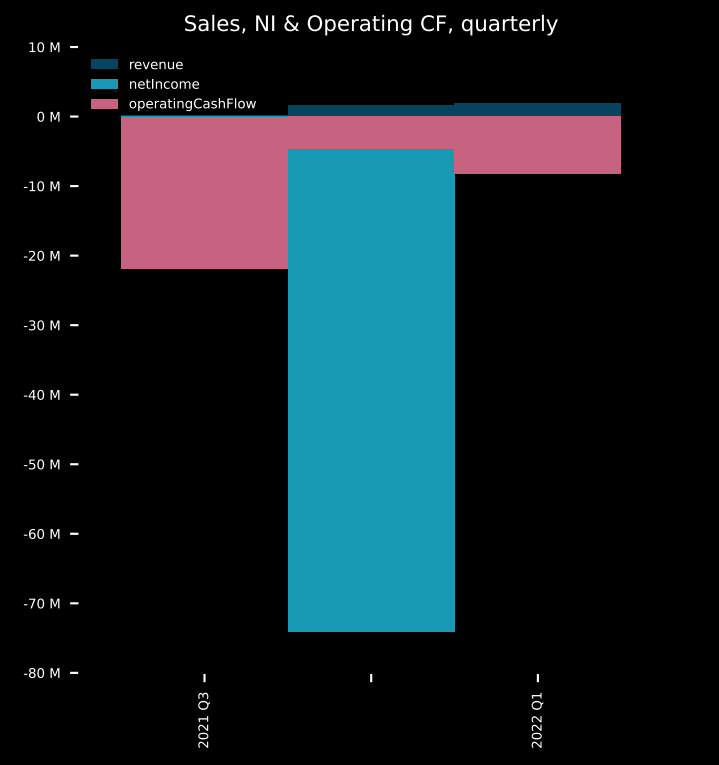
POS13.SA / Computer Hardware / BR / 2022-08-23



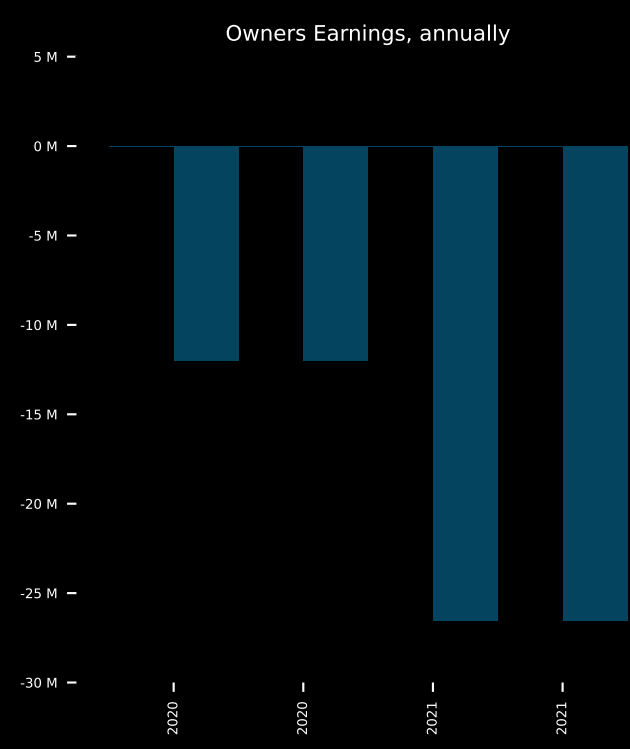
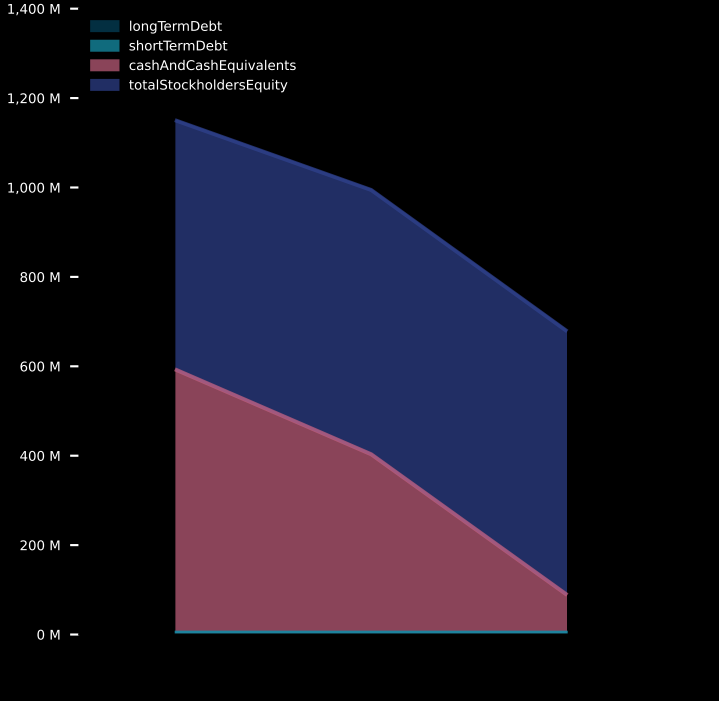
Positivo Tecnologia S.A., together with its subsidiaries, engages in the development, trading, and industrialization of information technology (IT) solutions in Brazil and internationally. The company operates through Retail, Government, and Servers segments. It is also involved in the manufacture, sale, and rental of software and hardware products; sale of IT equipment, and pedagogic and school management application systems; provision of technical-pedagogical planning and support services; representation, sale, implementation, training and support, and technical assistance for equipment, as well as technical, technological, and scientific teaching systems in various areas; and other related activities. The company offers small and medium-sized computers, portable computers, tablets, monitors, electronic boards, computerized educational desks, servers, mobile phones, smartphones, and educational software systems, as well as telemedicine devices and equipment; and manufactures and sells medical, laboratory, and IT and communication equipment, as well as electronic components. It serves schools, as well as retail, corporate, and government customers. The company also provides IT solutions for various segments.



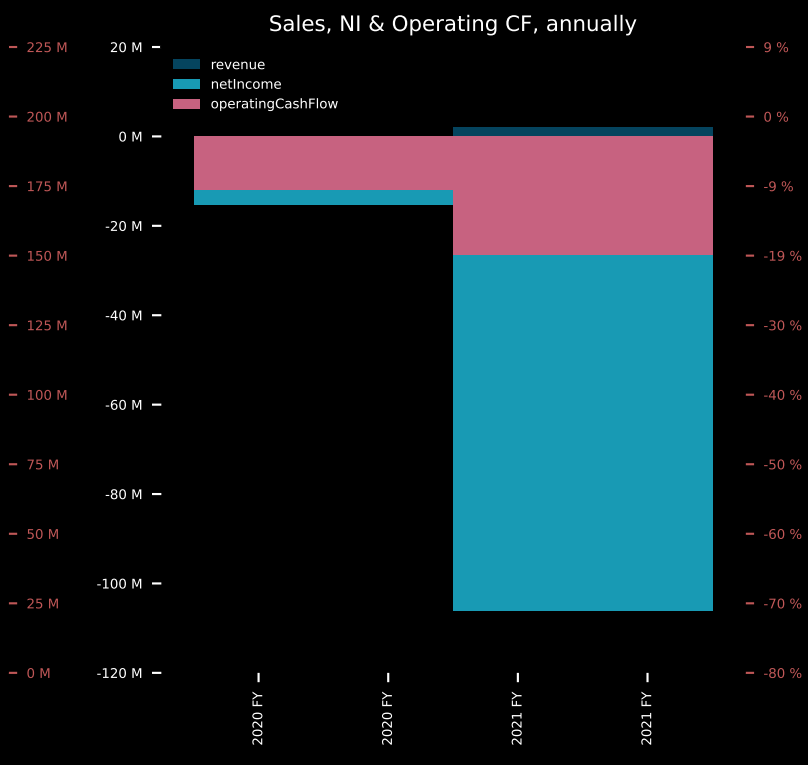
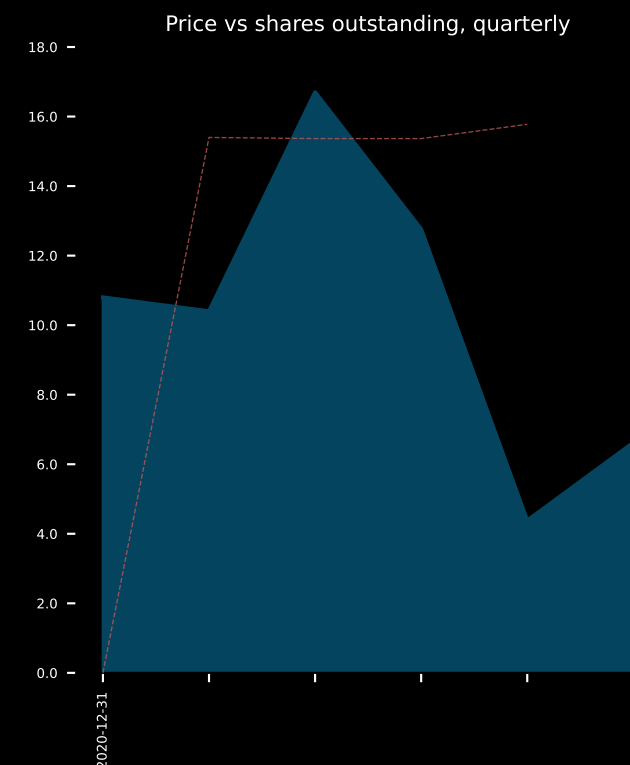
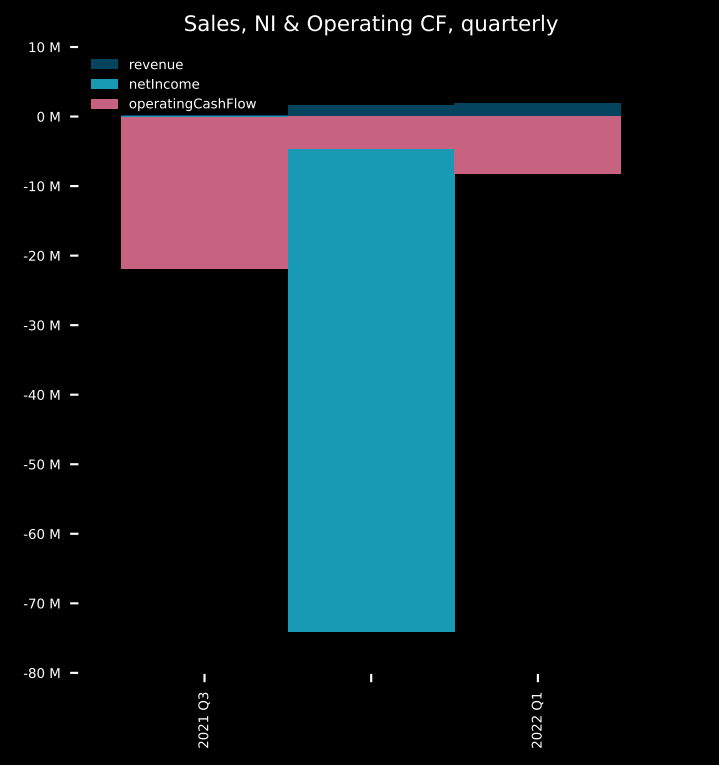




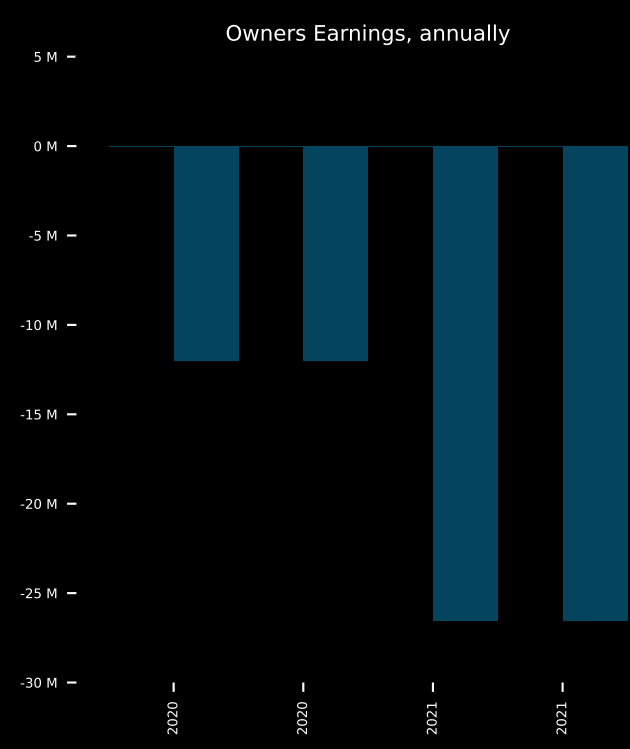
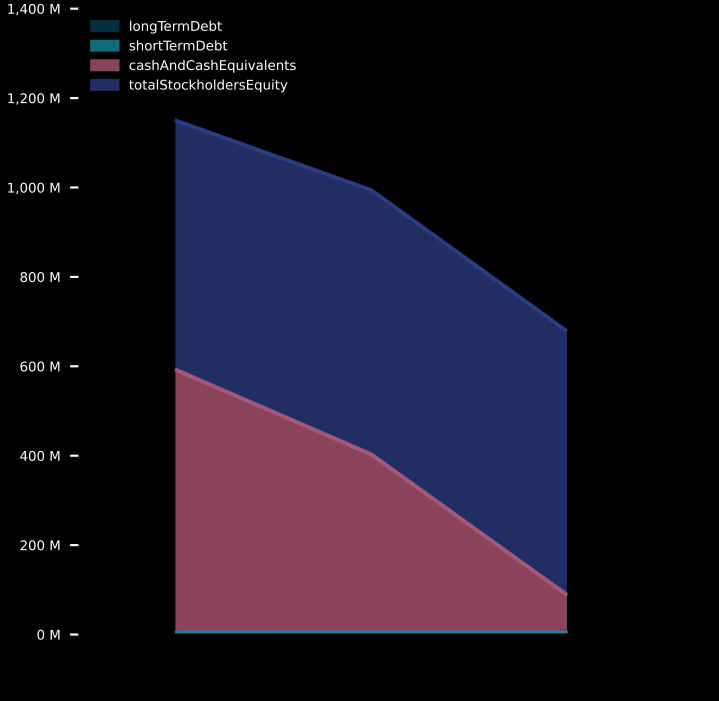
IONQ / Computer Hardware / US / 2022-08-23



IonQ, Inc. engages in the development of general-purpose quantum computing systems. It sells access to quantum computers with 20 qubits. The company makes access to its quantum computers through cloud platforms, such as Amazon Web Services' (AWS) Amazon Braket, Microsoft's Azure Quantum, and Google's Cloud Marketplace, as well as through its cloud service. IonQ, Inc. was founded in 2015 and is headquartered in College Park, Maryland.

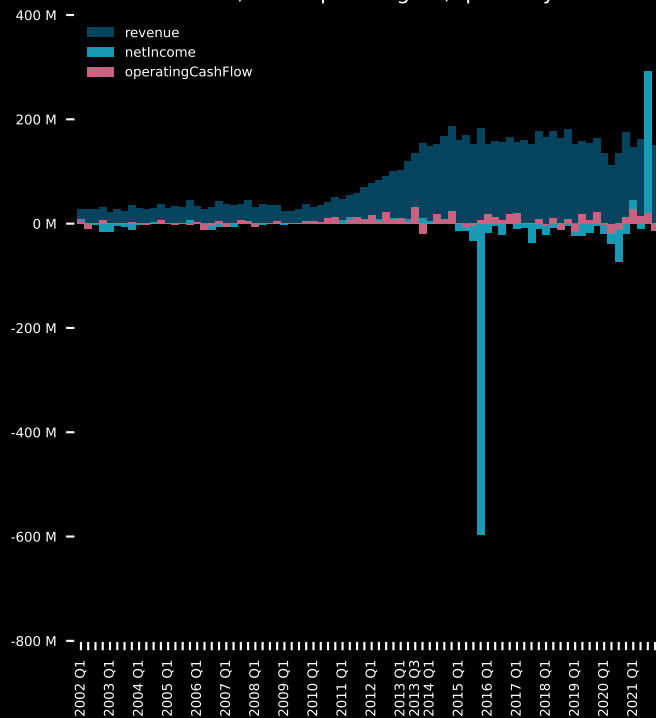


IONQ / Computer Hardware / US / 2022-08-23

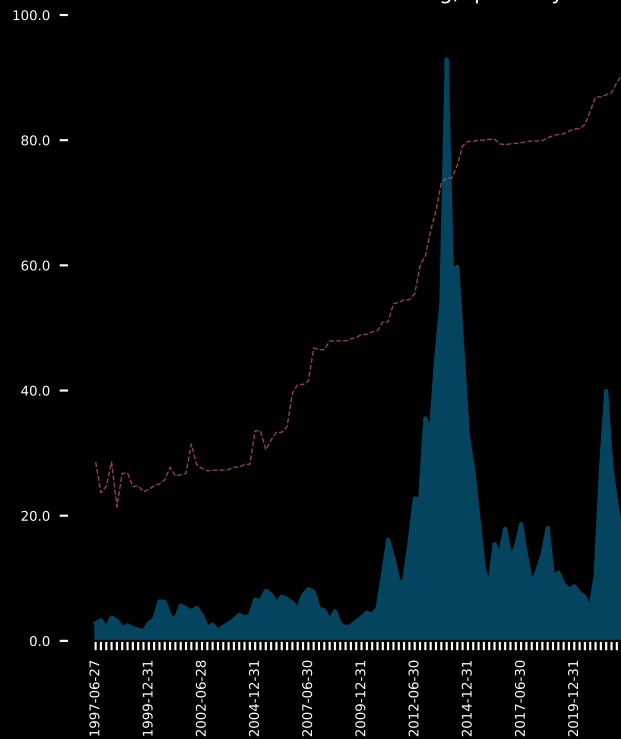


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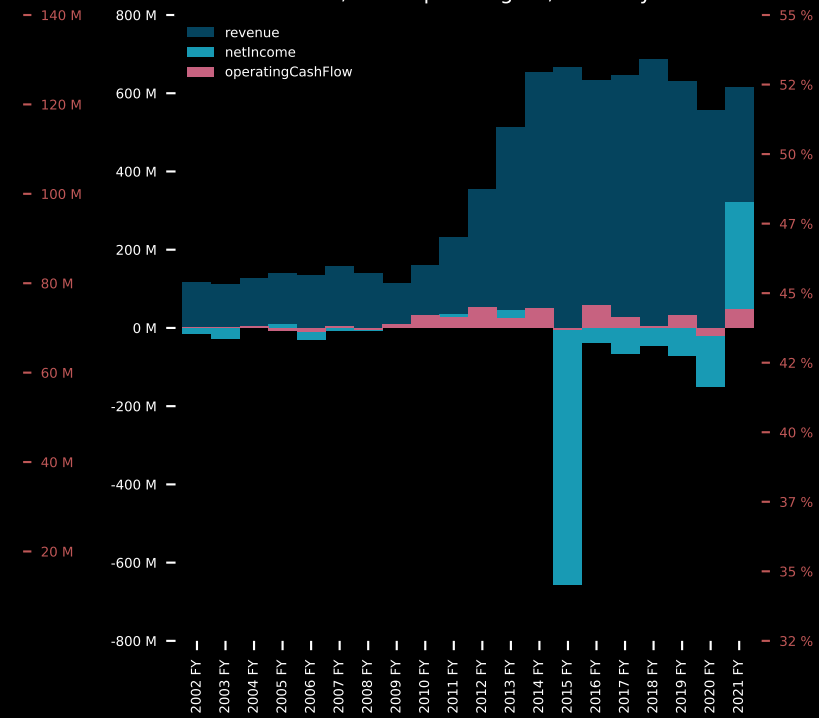
Sales, NI & Operating CF, quarterly



Price vs shares outstanding, quarterly



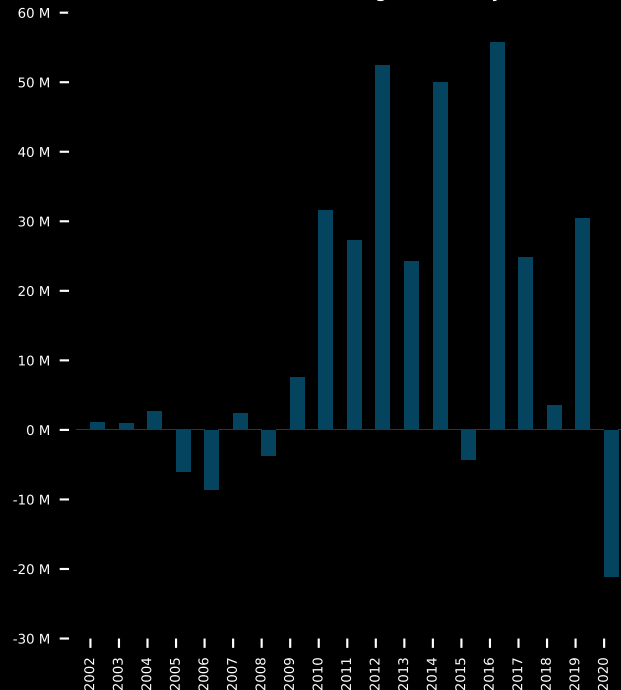
Sales, NI & Operating CF, annually



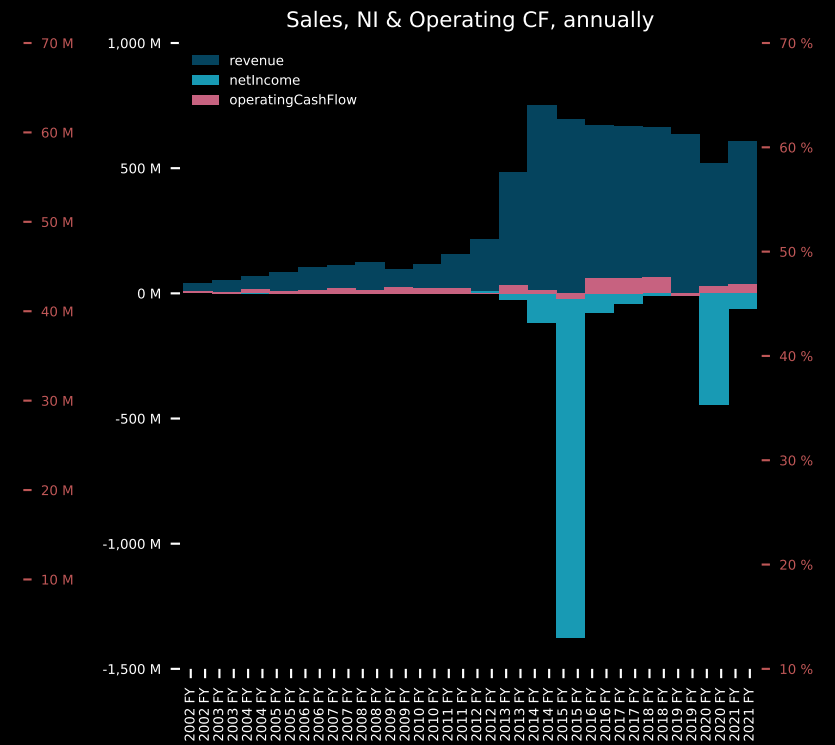
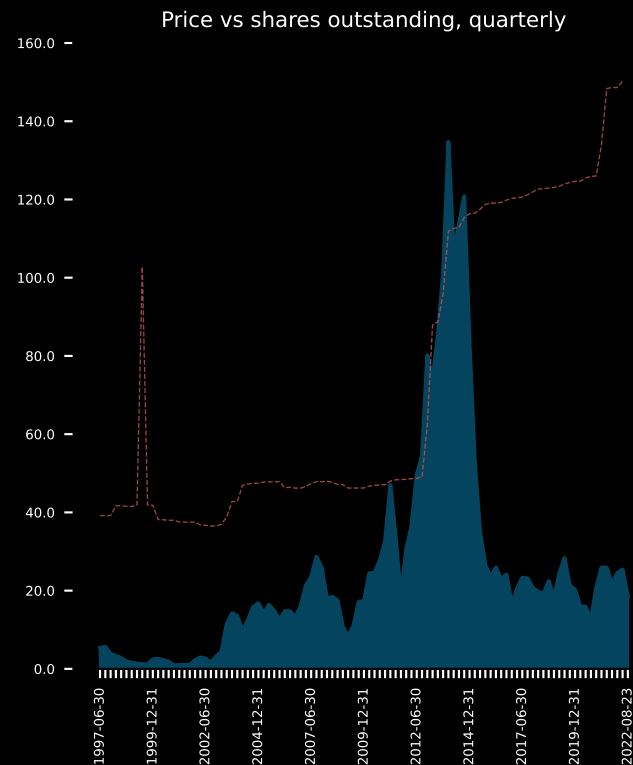
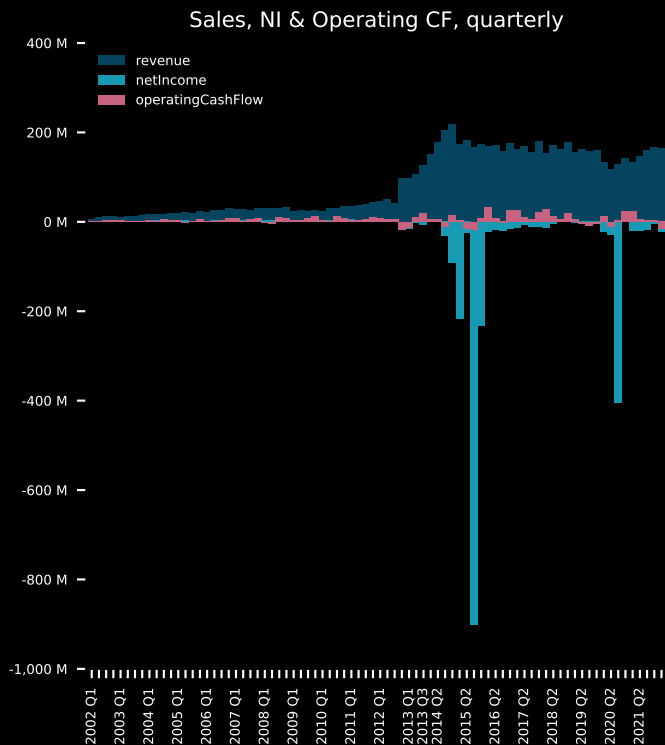
DDD / Computer Hardware / US / 2022-08-22



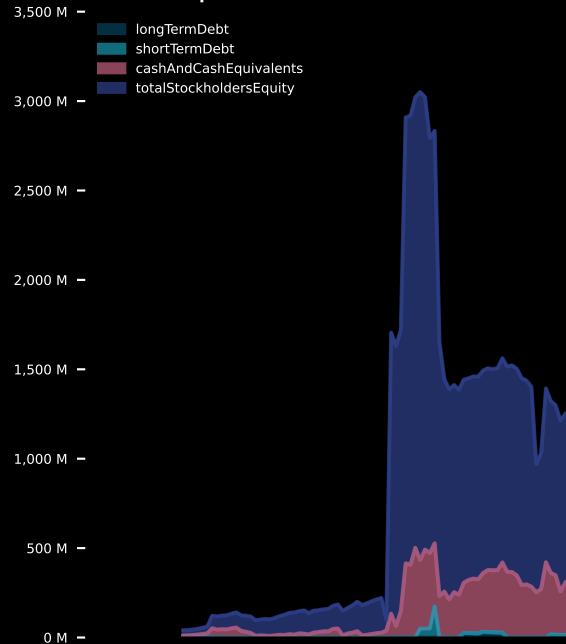
Owners Earnings, annually



3D Systems Corporation, through its subsidiaries, provides 3D printing and digital manufacturing solutions in the Americas, Europe, the Middle East, Africa, and the Asia Pacific. The company offers 3D printers, such as stereolithography, selective laser sintering, direct metal printing, multi jet printing, color jet printing, and extrusion and SLA based bioprinting that transform digital data input generated by 3D design software, computer aided design (CAD) software, or other 3D design tools into printed parts. It also develops, blends, and markets various print materials, such as plastic, nylon, metal, composite, elastomeric, wax, polymeric dental, and bio-compatible materials. In addition, the company provides digital design tools, including software, scanners, and haptic devices, as well as solutions for product design, simulation, mold and die design, 3D scan-to-print, reverse engineering, production machining, metrology, and inspection and manufacturing workflows under the Geomagic brand. Further, it offers 3D Sprint and 3DXpert, a proprietary software to prepare and optimize CAD data and manage the additive manufacturing processes, which is used by various industries for prototyping and production.

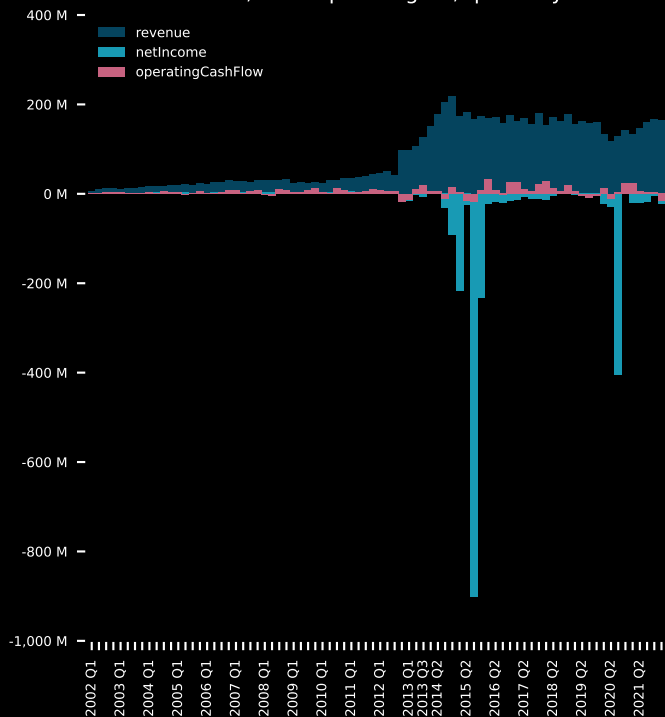


SSYS / Computer Hardware / US / 2022-08-23

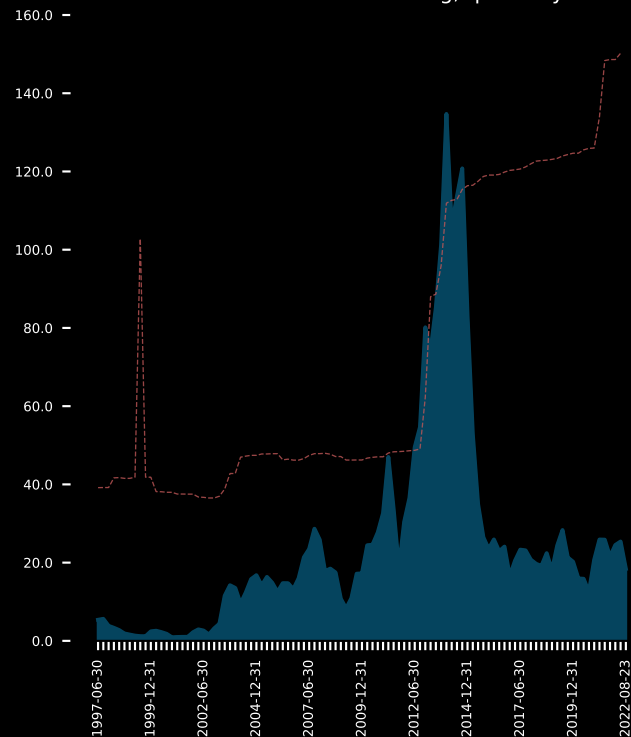


Stratasys Ltd. provides connected polymer-based 3D printing solutions. It offers 3D printing systems, such as polyjet printers, FDM printers, stereolithography printing systems, and programmable photo polymerization printers for rapid prototyping, such as design validation, visualization, and communication. The company also provides 3D printing materials, including approximately FDM spool-based filament materials, polyjet cartridge-based resin materials, non-color digital materials, and color variations for use in 3D printers and production systems. In addition, it offers GrabCAD Additive Manufacturing Platform, an open and enterprise-ready software that enables manufacturers to manage production-scale additive manufacturing operations; GrabCAD Shop, which simplifies the 3D printing shop workflow; GrabCAD software development kit that provides application programming interfaces, documentation, sample code, and professional support network; and GrabCAD Workbench, a cloud-based project data management solution. Further, the company operates Thingiverse.com, an online community for sharing downloadable and digital 3D designs and GrabCAD Connect, its f

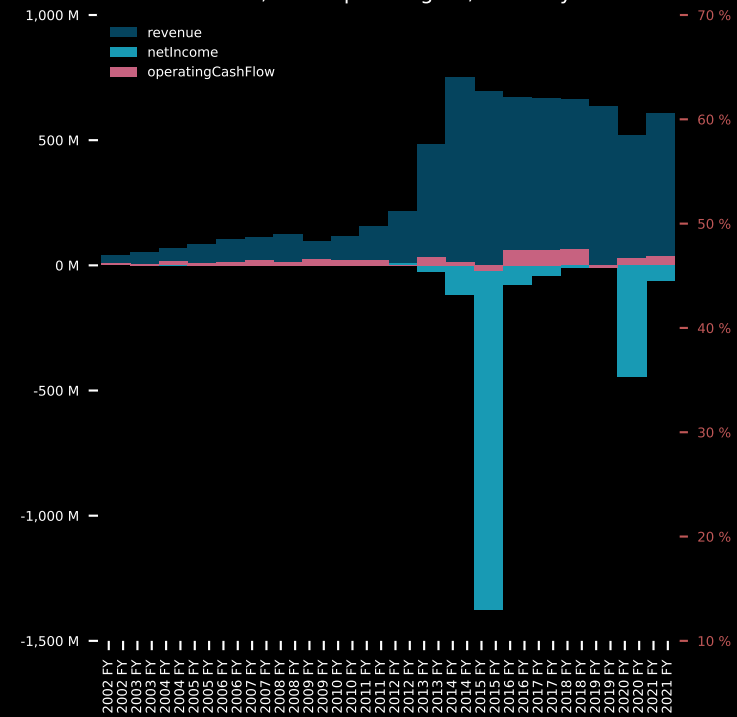
Sales, NI & Operating CF, quarterly



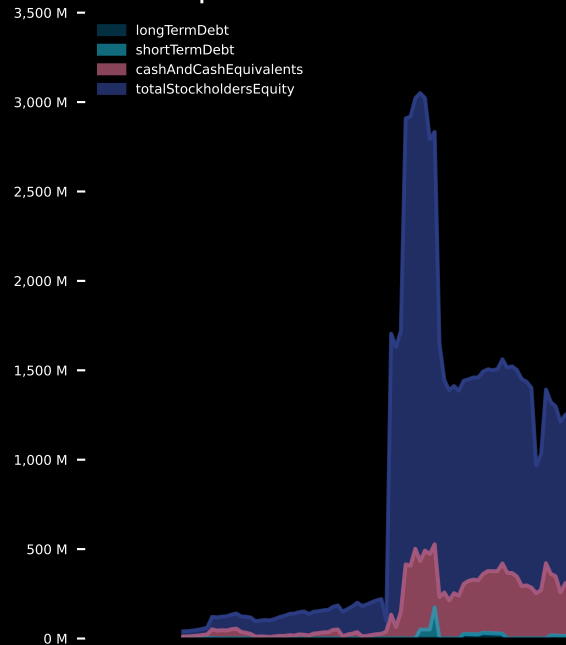
Price vs shares outstanding, quarterly



Sales, NI & Operating CF, annually



SSYS / Computer Hardware / US / 2022-08-23

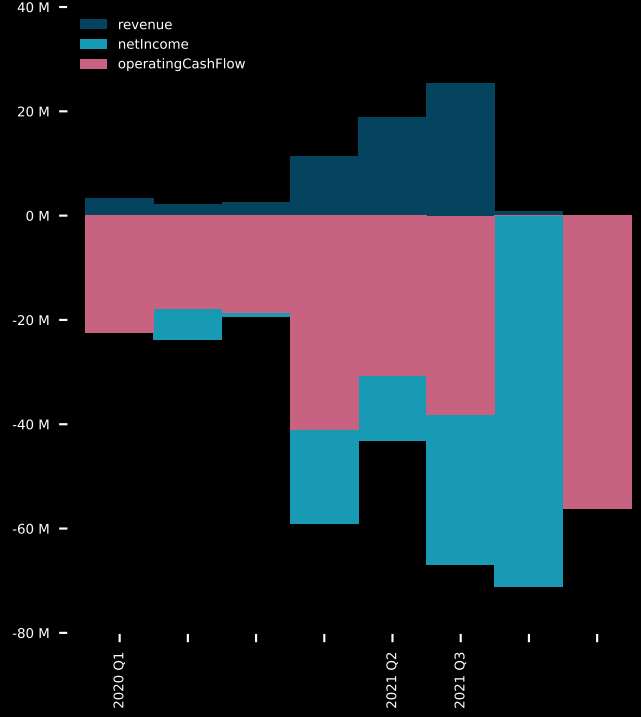


Owners Earnings, annually

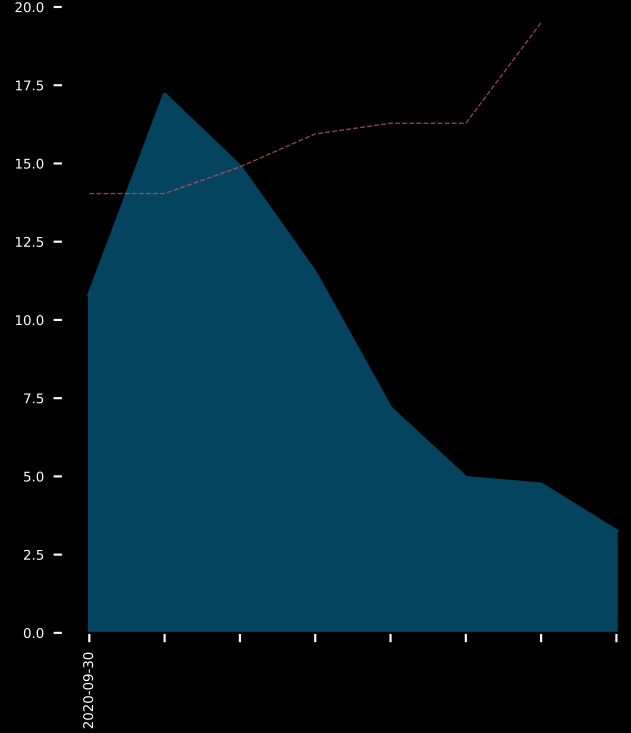


Stratasys Ltd. provides connected polymer-based 3D printing solutions. It offers 3D printing systems, such as polyjet printers, FDM printers, stereolithography printing systems, and programmable photo polymerization printers for rapid prototyping, such as design validation, visualization, and communication. The company also provides 3D printing materials, including approximately FDM spool-based filament materials, polyjet cartridge-based resin materials, non-color digital materials, and color variations for use in 3D printers and production systems. In addition, it offers GrabCAD Additive Manufacturing Platform, an open and enterprise-ready software that enables manufacturers to manage production-scale additive manufacturing operations; GrabCAD Shop, which simplifies the 3D printing shop workflow; GrabCAD software development kit that provides application programming interfaces, documentation, sample code, and professional support network; and GrabCAD Workbench, a cloud-based project data management solution. Further, the company operates Thingiverse.com, an online community for sharing downloadable and digital 3D designs and GrabCAD Connect, its f

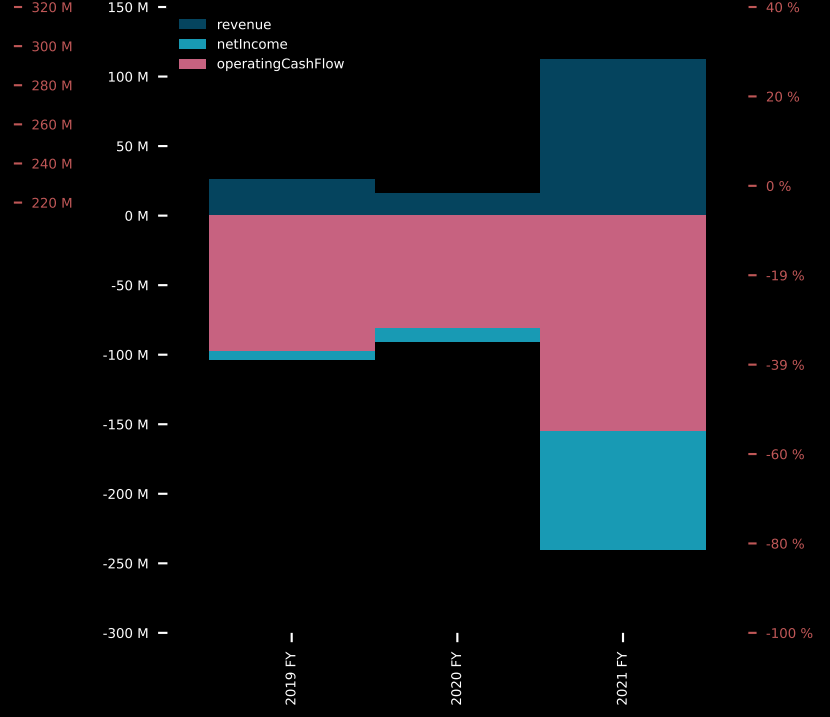
Sales, NI & Operating CF, quarterly



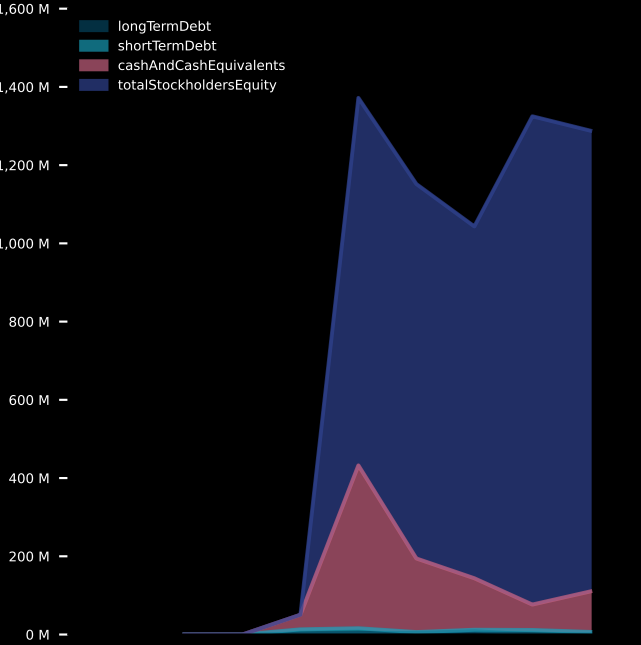
Price vs shares outstanding, quarterly



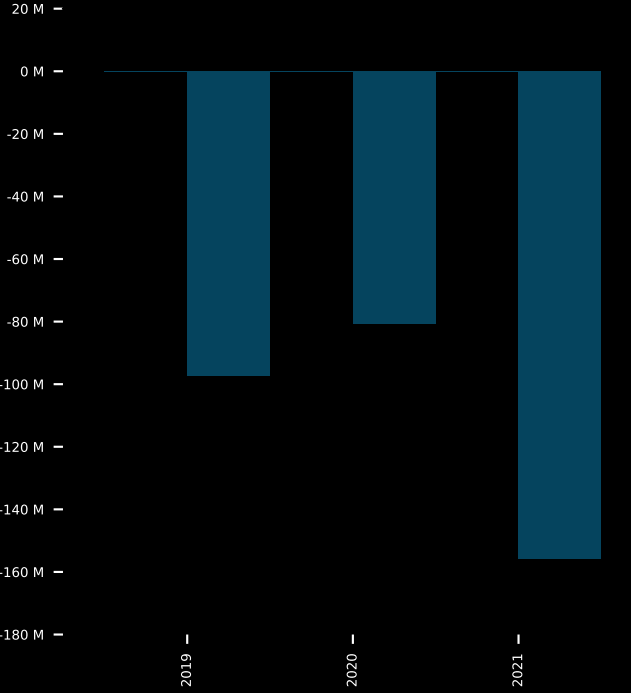
Sales, NI & Operating CF, annually



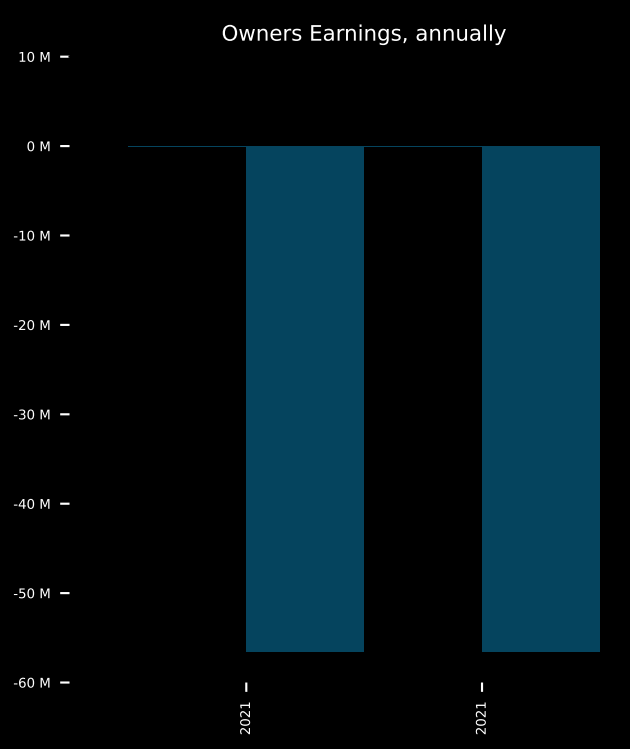
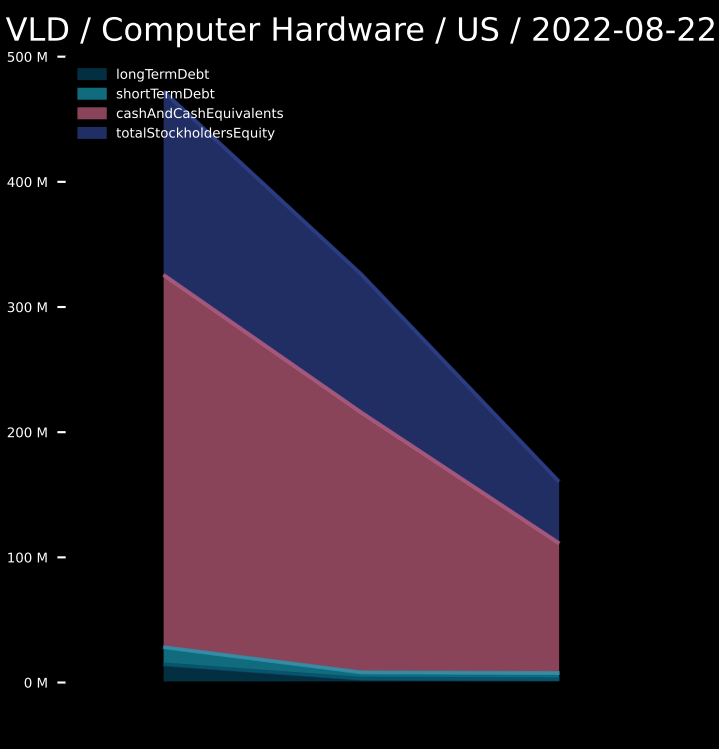
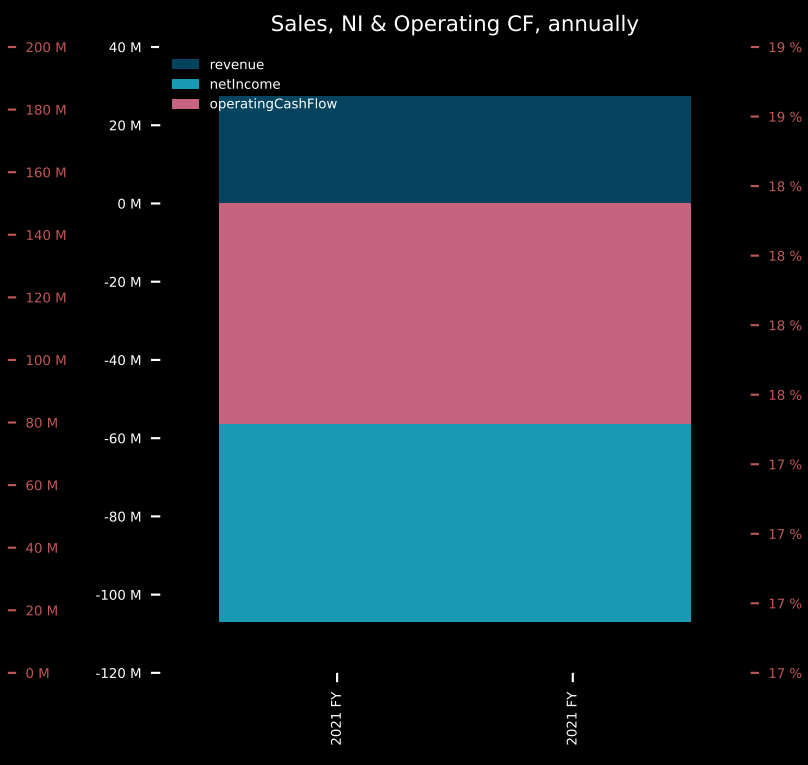
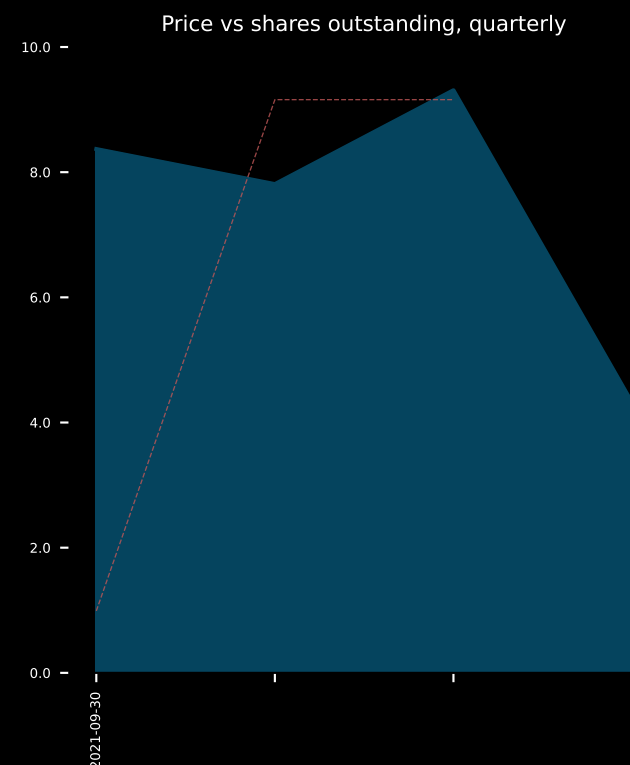
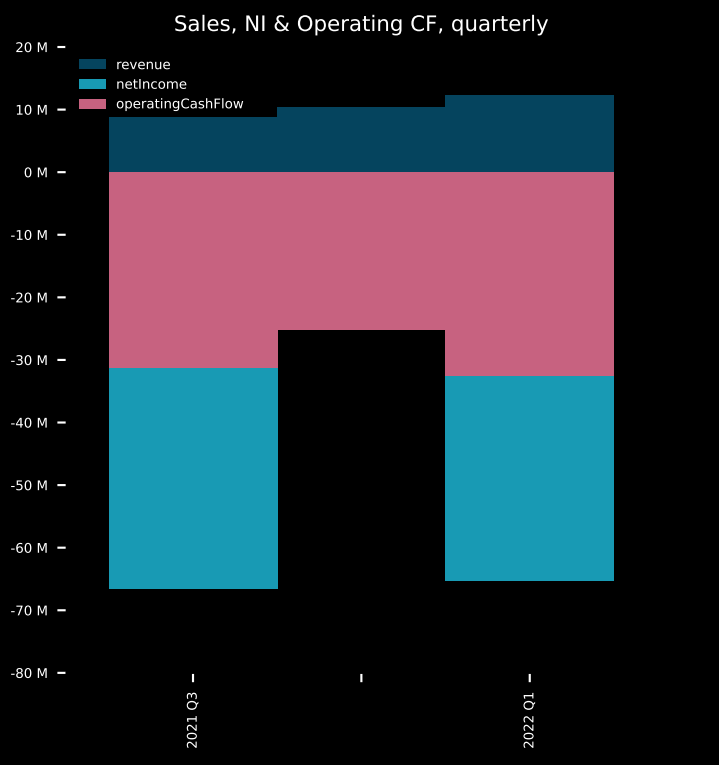
DM / Computer Hardware / US / 2022-08-23



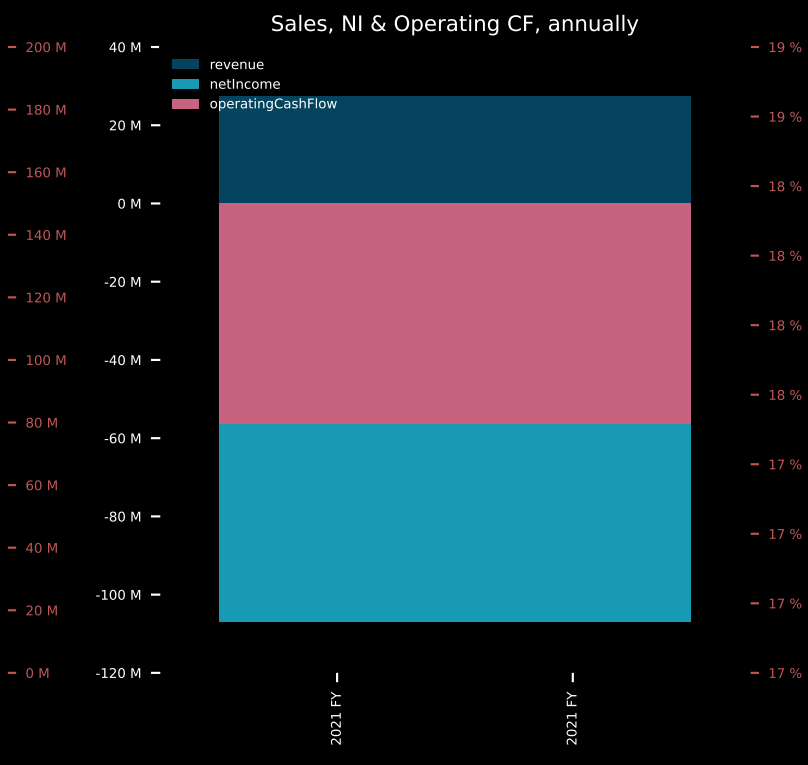
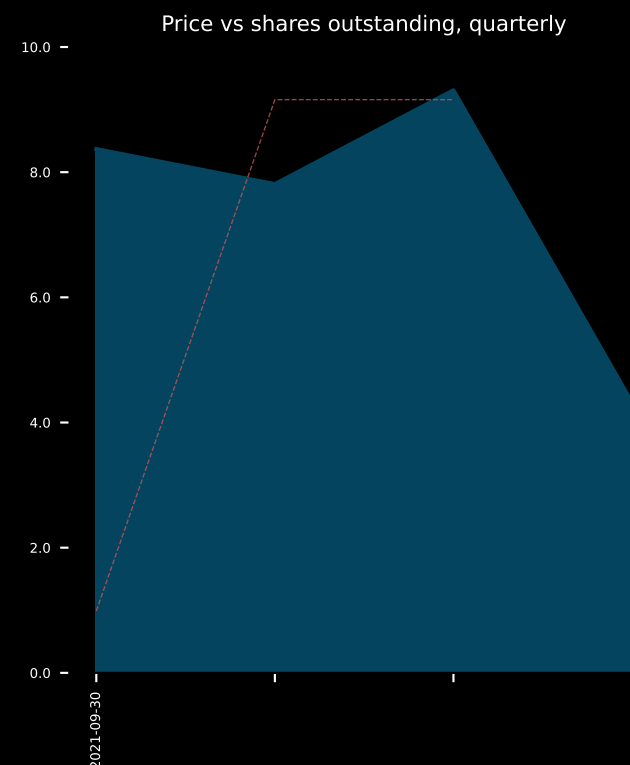
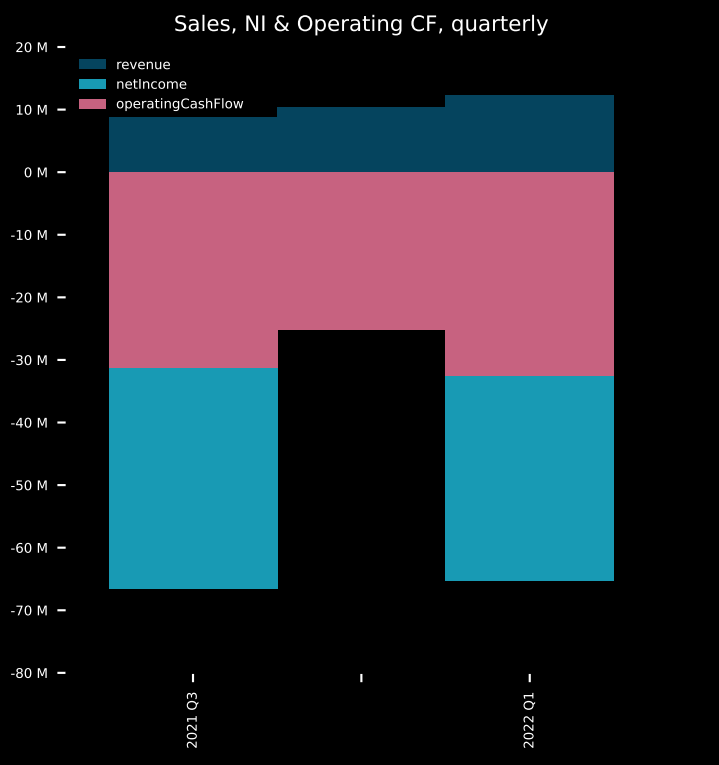
Owners Earnings, annually



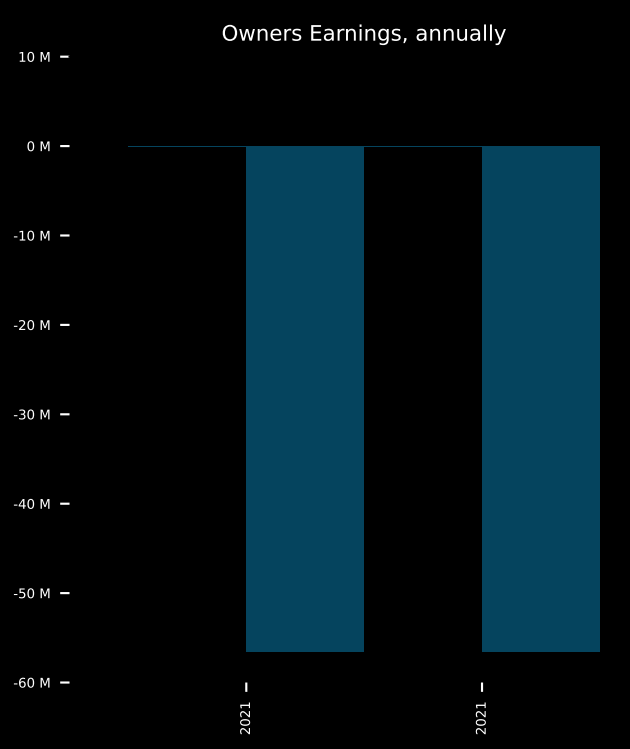
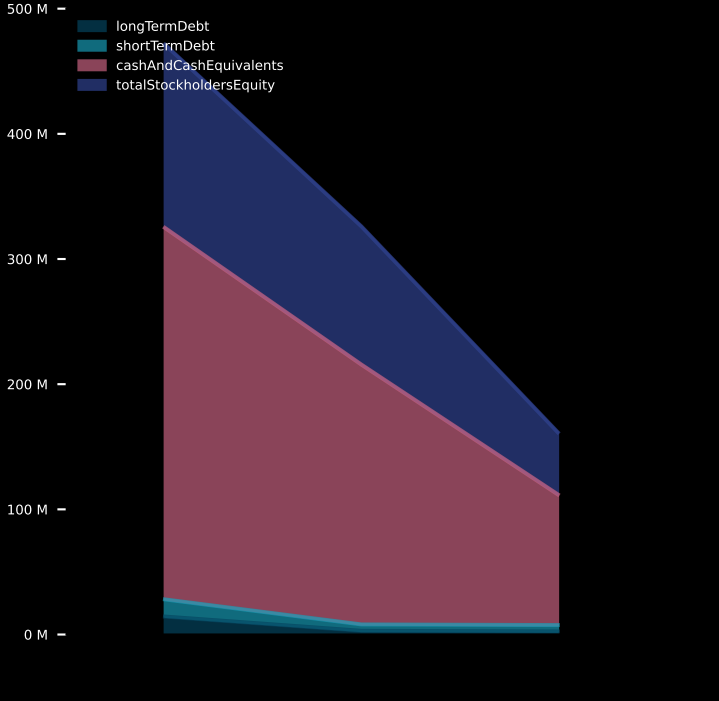
Desktop Metal, Inc. engages in manufacture and sale of additive manufacturing technologies for engineers, designers, and manufacturers in the Americas, Europe, the Middle East, Africa, and the Asia- Pacific. The company offers Production System, an industrial manufacturing solution; Shop System, a mid-volume binder jetting platform; X-series platform for serial production binder jet 3D printed metal, ceramic, or composite parts, balancing speed, and quality; and Studio System, an office metal 3D printing system; and Fiber platform that offers a desktop 3D printer. In addition, it provides Xtreme 8K platform, designed for industrial, high-temperature production of end-use photopolymer parts, and uses high-powered light sources with a water-cooled DLP chip; Einstein series, designed for dental professionals which offers 3D printing; P4K platform offers series of advanced DLP printer models designed for volume production in precision applications; Envision One platform; which leverages patented CDLM technology for high-volume production of end-use photopolymer parts; D4K Pro platform, designed for jewelry and dental applications; GMax platform, which is used for



Velo3D, Inc. produces metal additive three dimensional printers in the United States and internationally. The company's printers enable the production of components for space rockets, jet engines, fuel delivery systems, and other high value metal parts, which it sells or leases to customers for use in their businesses. It offers Flow, a proprietary software platform, which scans part designs for geometrical features; Sapphire and Sapphire XC printers; Assure, a quality control system software platform that includes process metrologies; and Intelligent Fusion, an underlying manufacturing process that unifies and manages the information flow, sensor data from approximately 950 sensors, and the advanced printing technology for precision control of the entire print. The company also provides support services. Its customers range from small- and medium-sized enterprises to Fortune 500 companies in the space, aviation, defense, energy, and industrial markets. The company was founded in 2014 and is headquartered in Campbell, California.



VLD / Computer Hardware / US / 2022-08-22

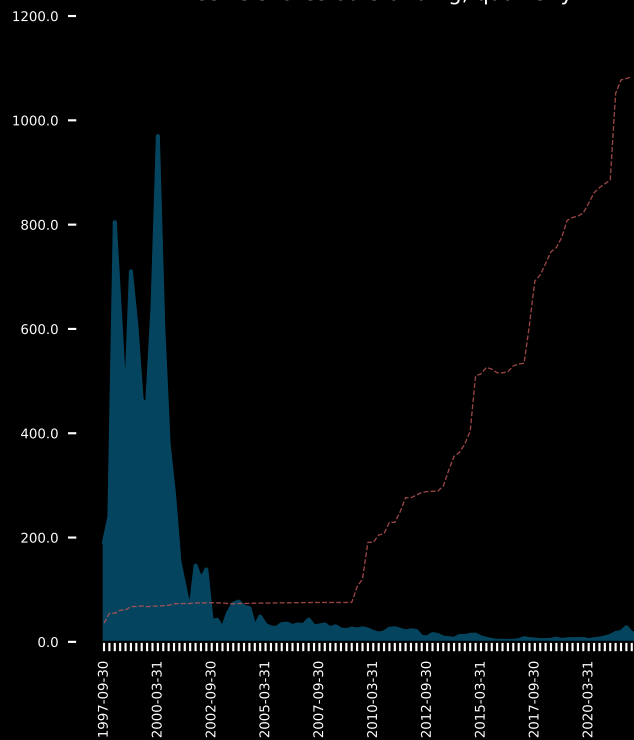


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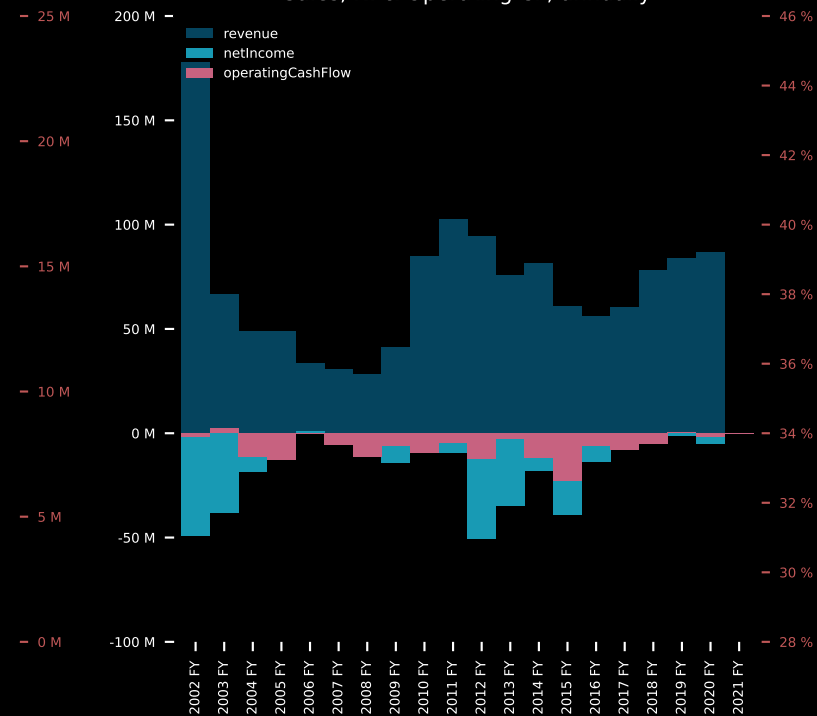
Sales, NI & Operating CF, quarterly



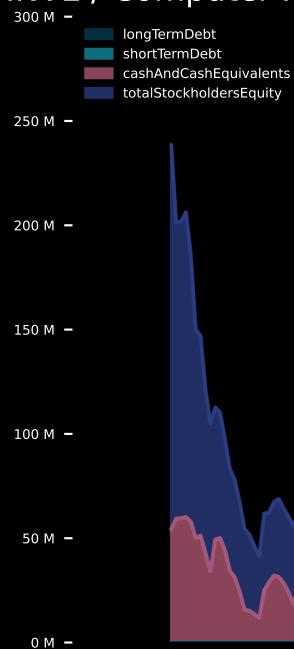
Price vs shares outstanding, quarterly



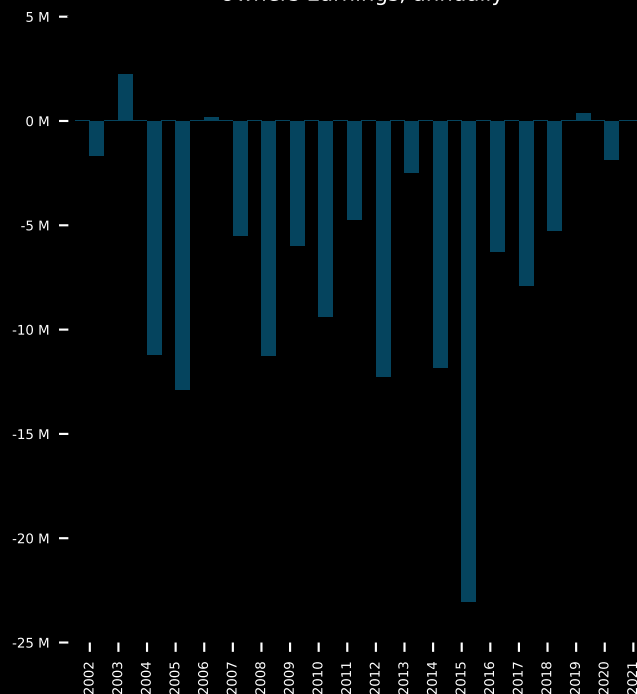
Sales, NI & Operating CF, annually



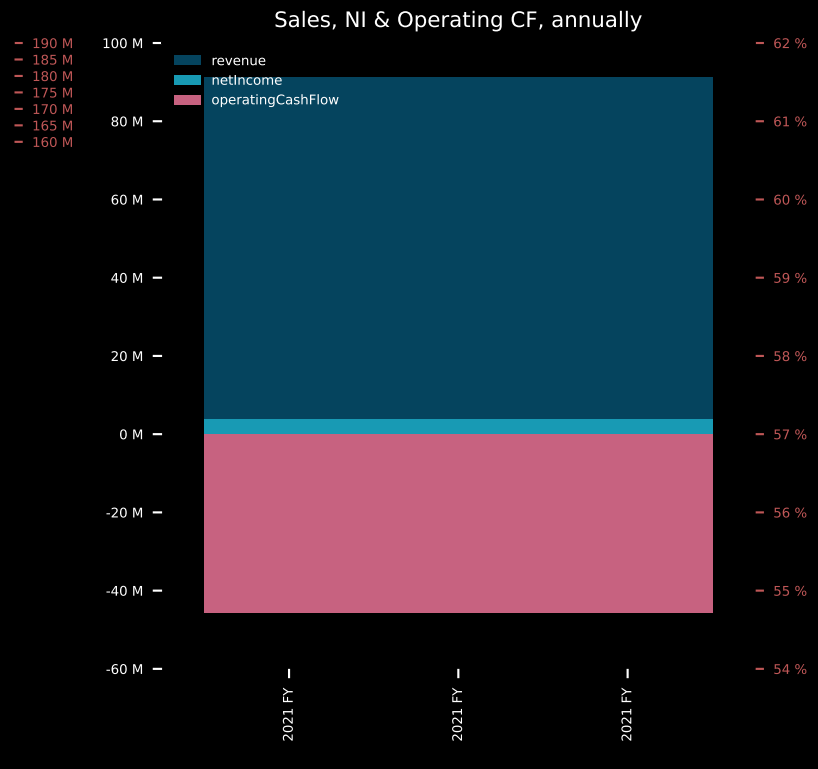
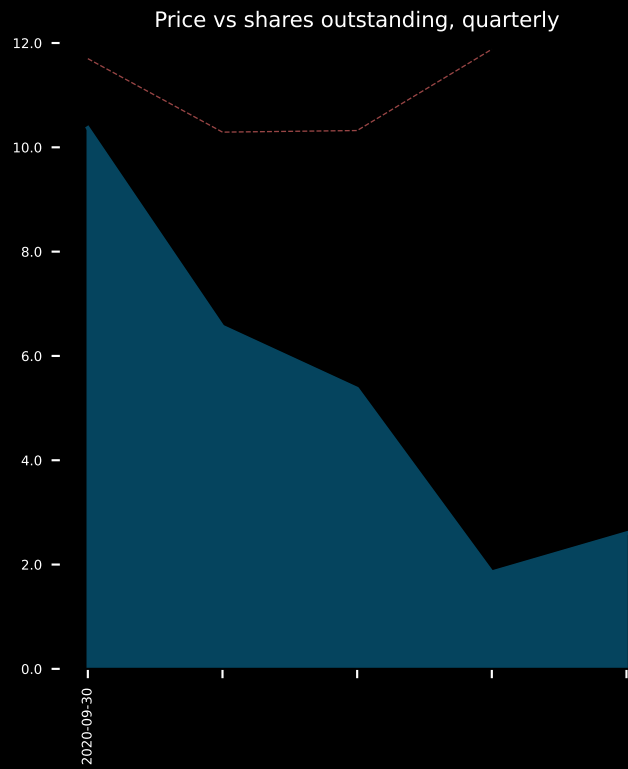
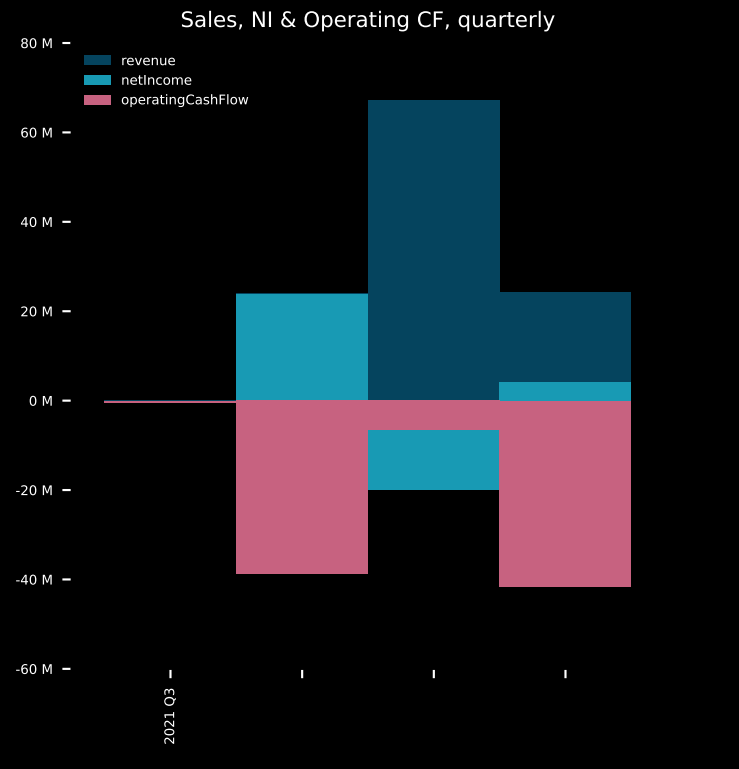
INVE / Computer Hardware / US / 2022-08-23



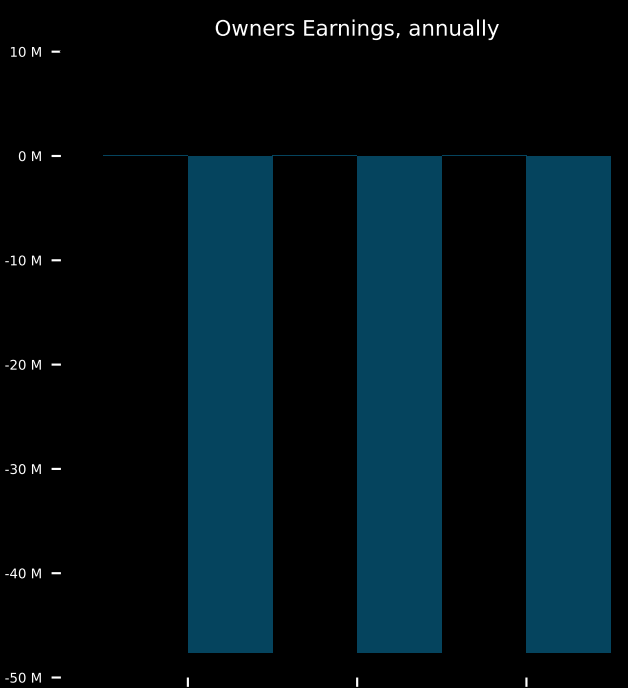
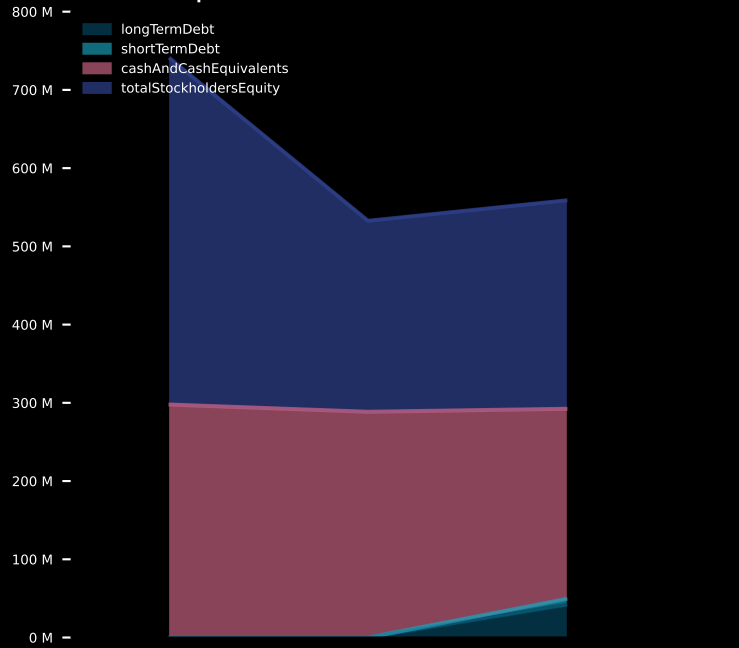
Owners Earnings, annually



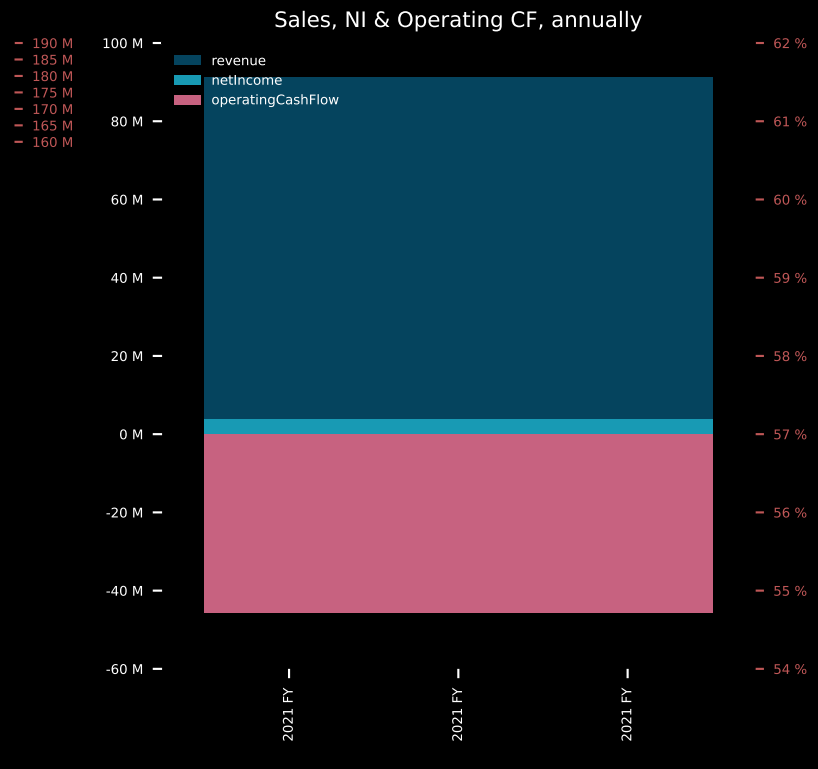
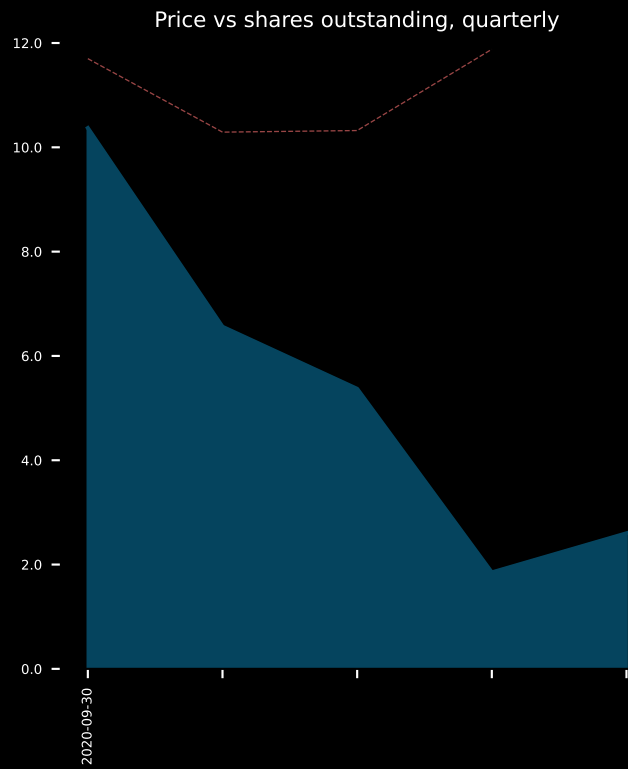
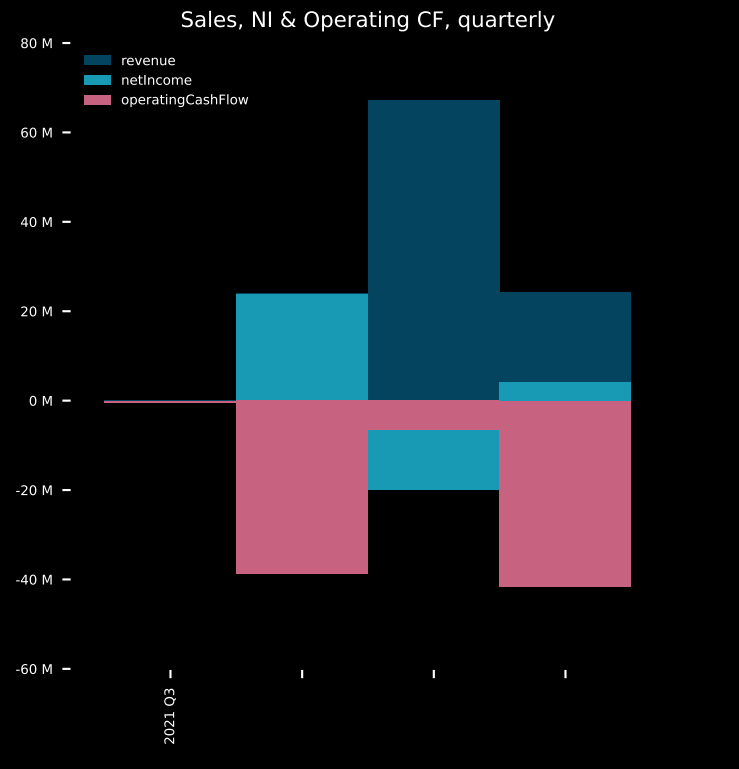
Identiv, Inc. operates as a security technology company that secures things, data, and physical places in the Americas, Europe, the Middle East, and the Asia-Pacific. The company operates in two segments, Identity and Premises. The Identity segment offers products and solutions that enables secure access to information serving the logical access and cyber security markets, as well as protecting connected objects and information using radio-frequency identification embedded security. The Premises segment provides solutions for premises security market, such as access control, video surveillance, analytics, audio, access readers, and identities to government facilities, schools, utilities, hospitals, stores, apartment buildings, and shops. The company sells its products through dealers, systems integrators, value added resellers, and resellers. The company was formerly known as Identive Group, Inc. and changed its name to Identiv, Inc. in May 2014. Identiv, Inc. was founded in 1990 and is headquartered in Fremont, California.



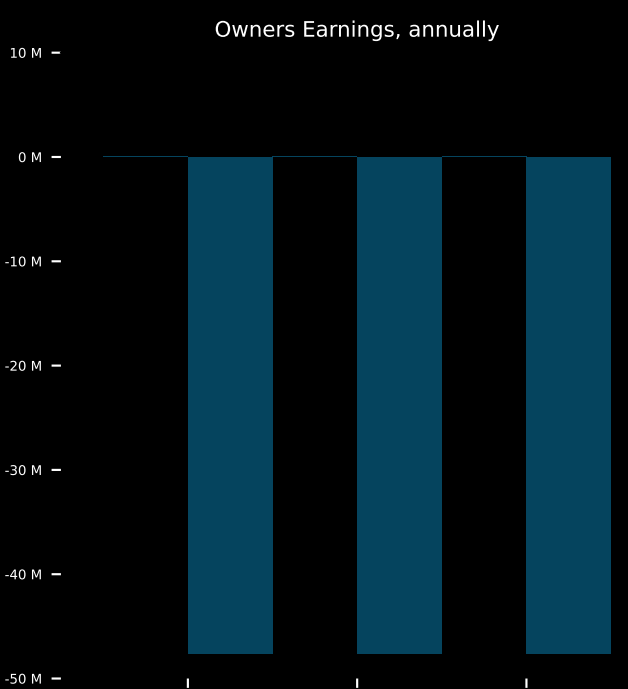
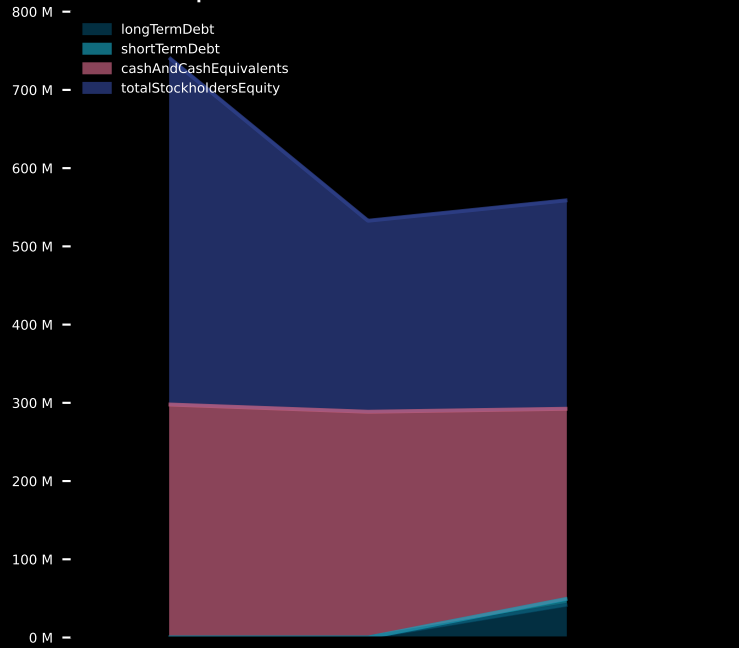
MKFG / Computer Hardware / US / 2022-08-23



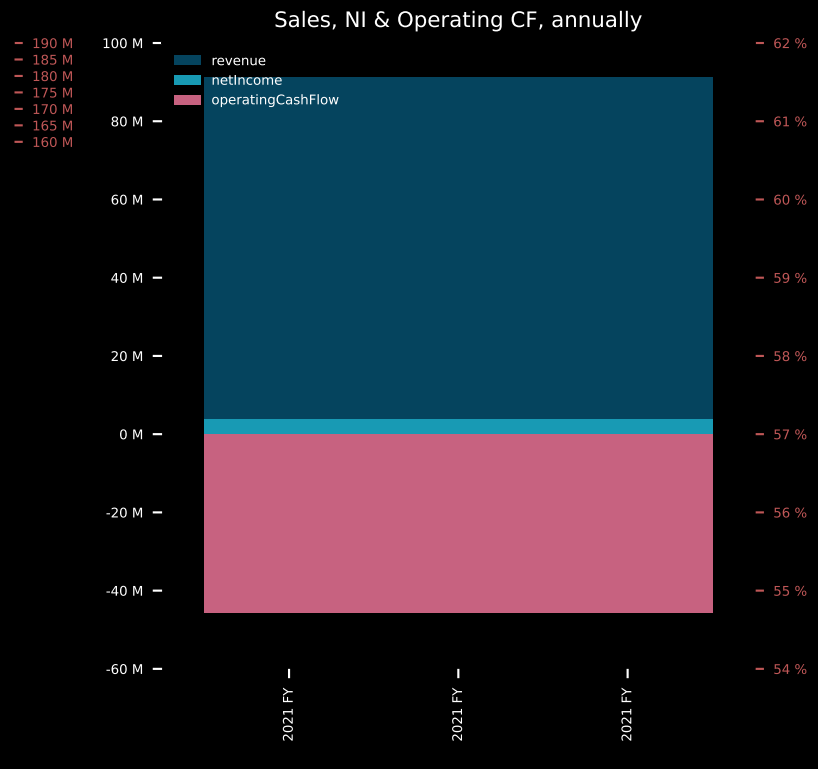
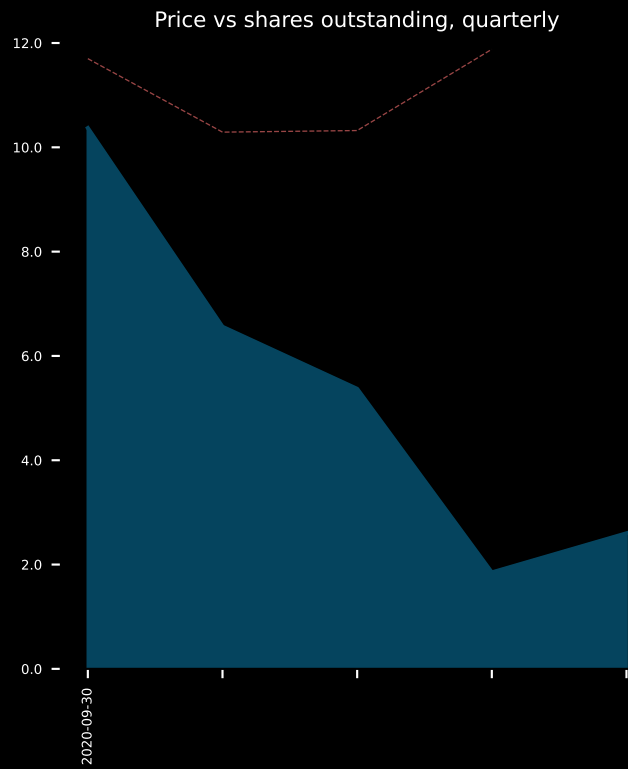
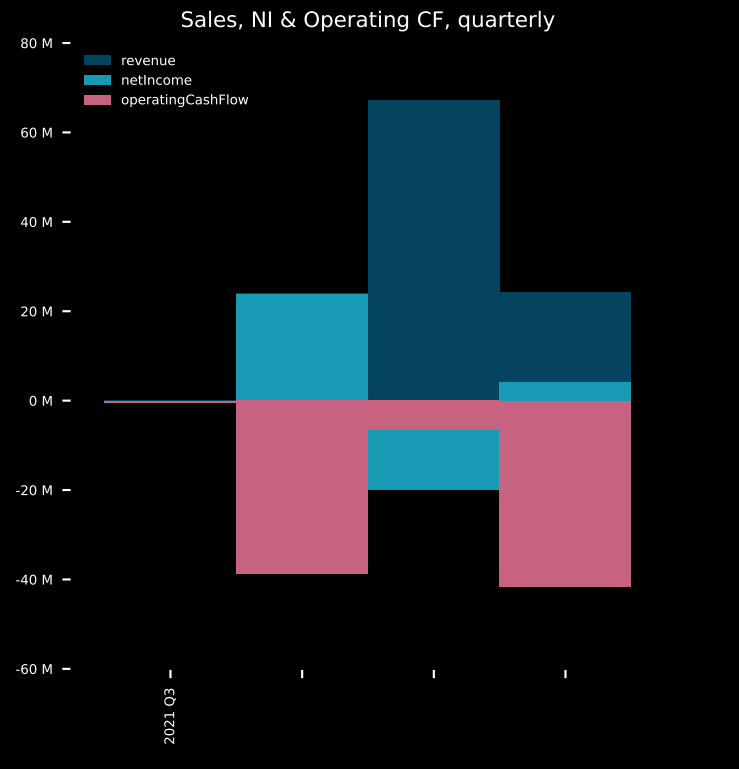
Markforged Holding Corporation produces and sells 3D printers, materials, software, and other related services worldwide. The company offers desktop, industrial, and metal 3D printers; and composite, continuous fiber, and metal parts, as well as advanced 3D printing software. It serves customers in aerospace, military and defense, industrial automation, space exploration, healthcare, and automotive industries. Markforged Holding Corporation was founded in 2013 and is headquartered in Watertown, Massachusetts.



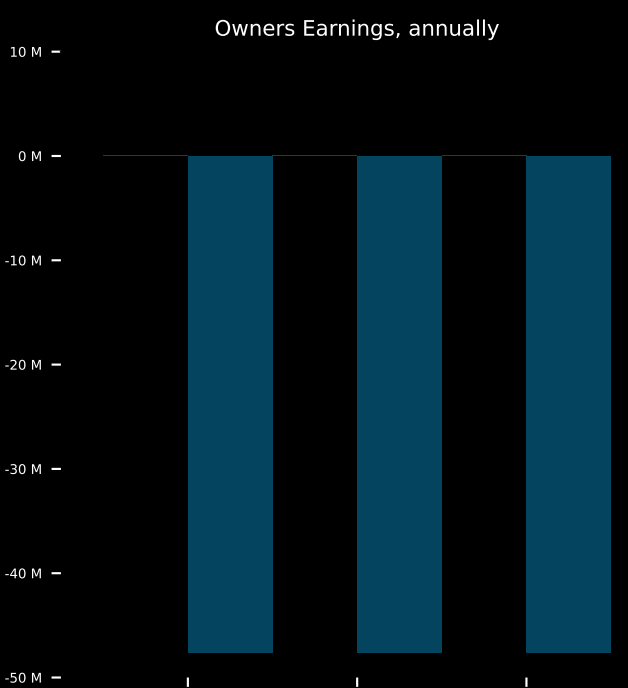
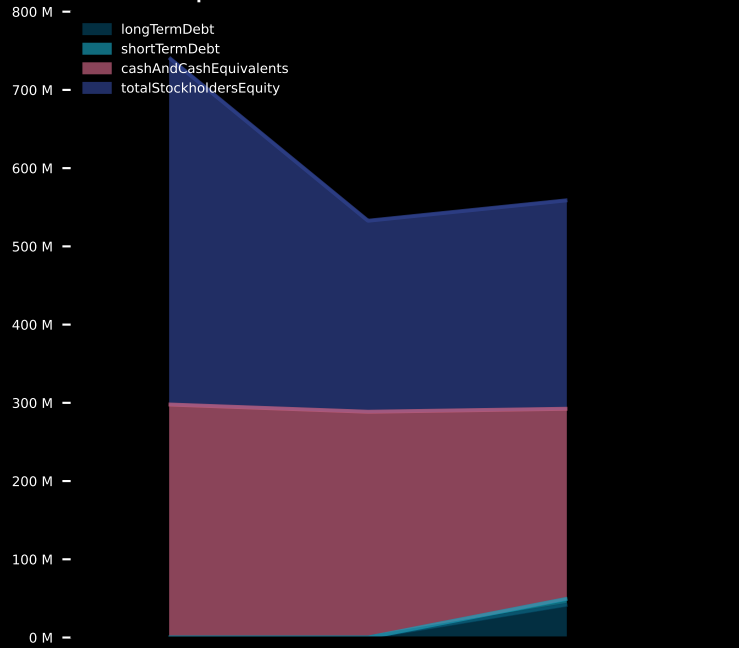
MKFG / Computer Hardware / US / 2022-08-23



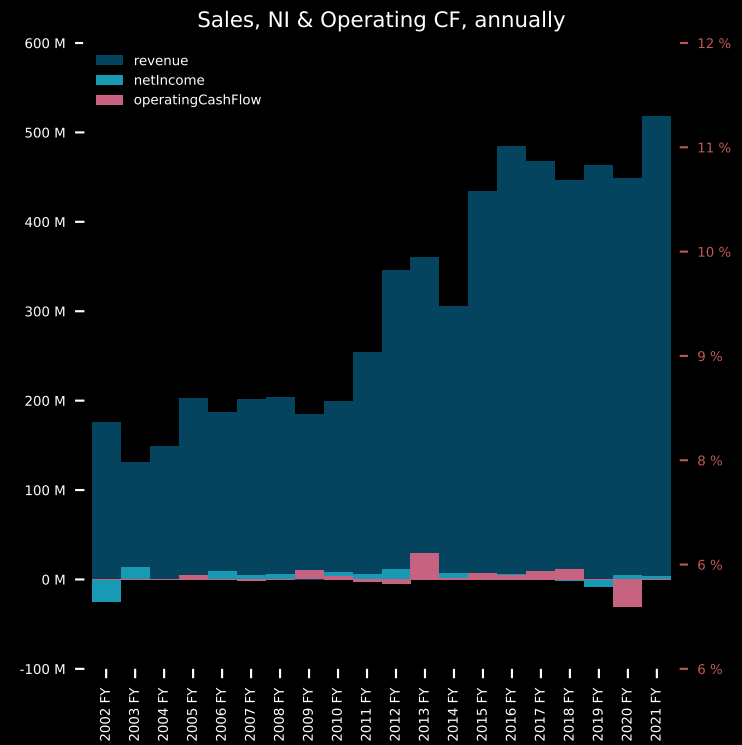
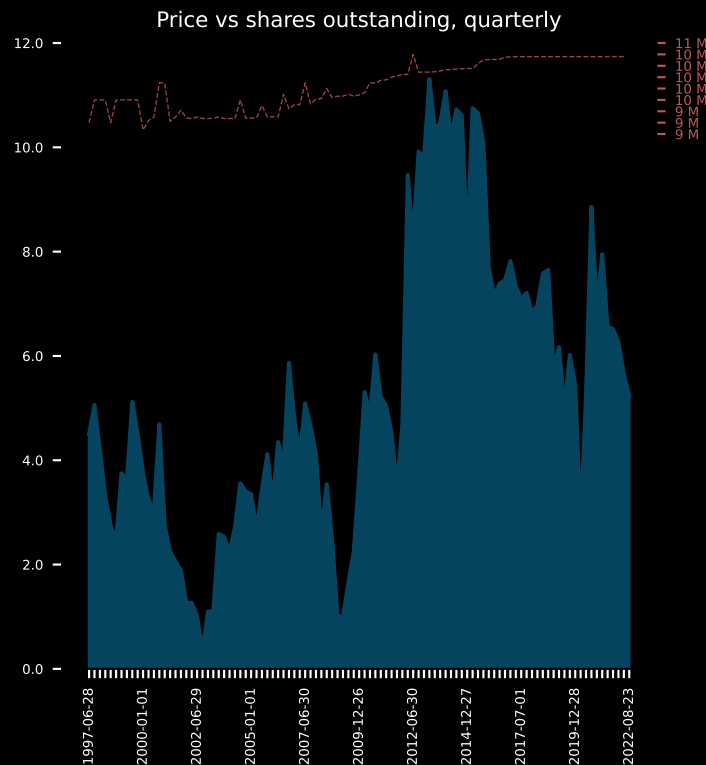
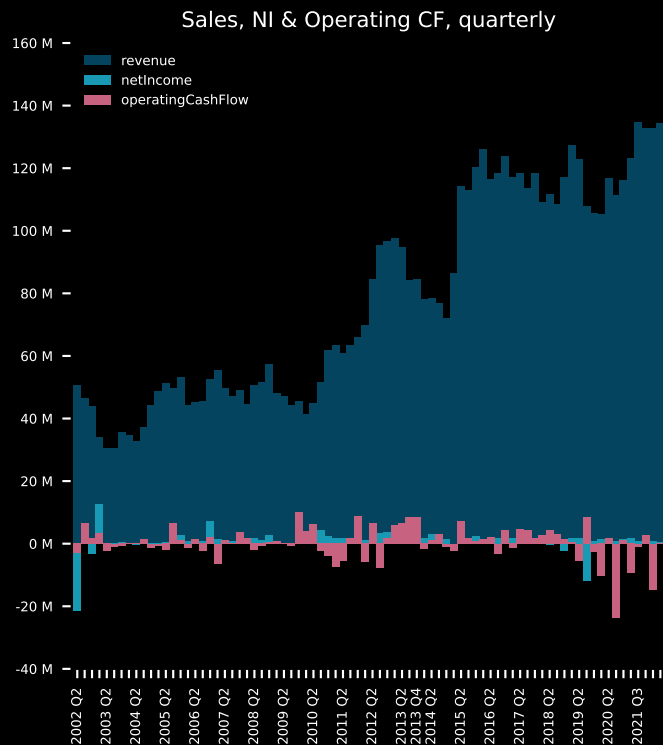
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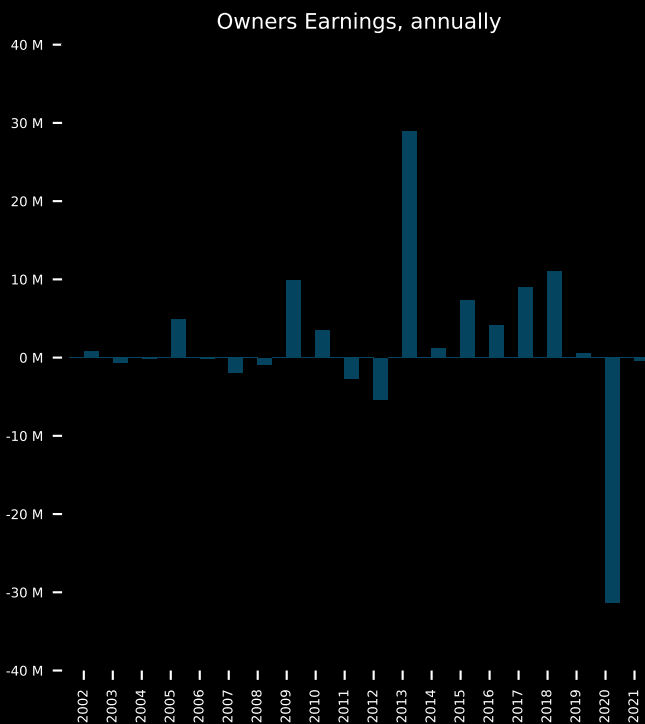
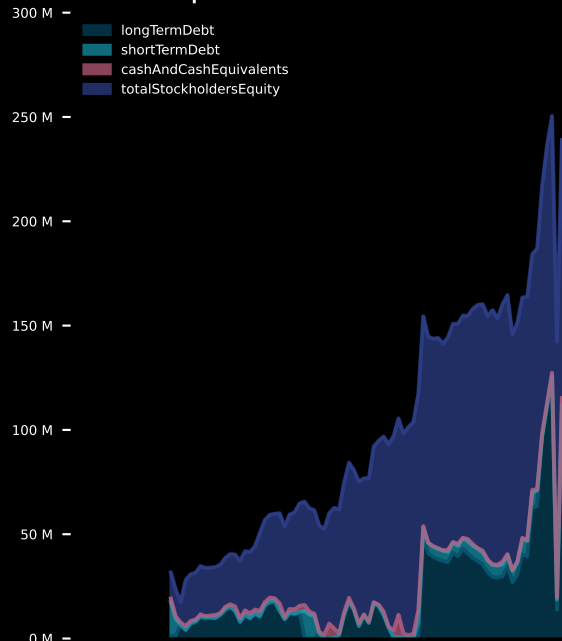
MKFG / Computer Hardware / US / 2022-08-23



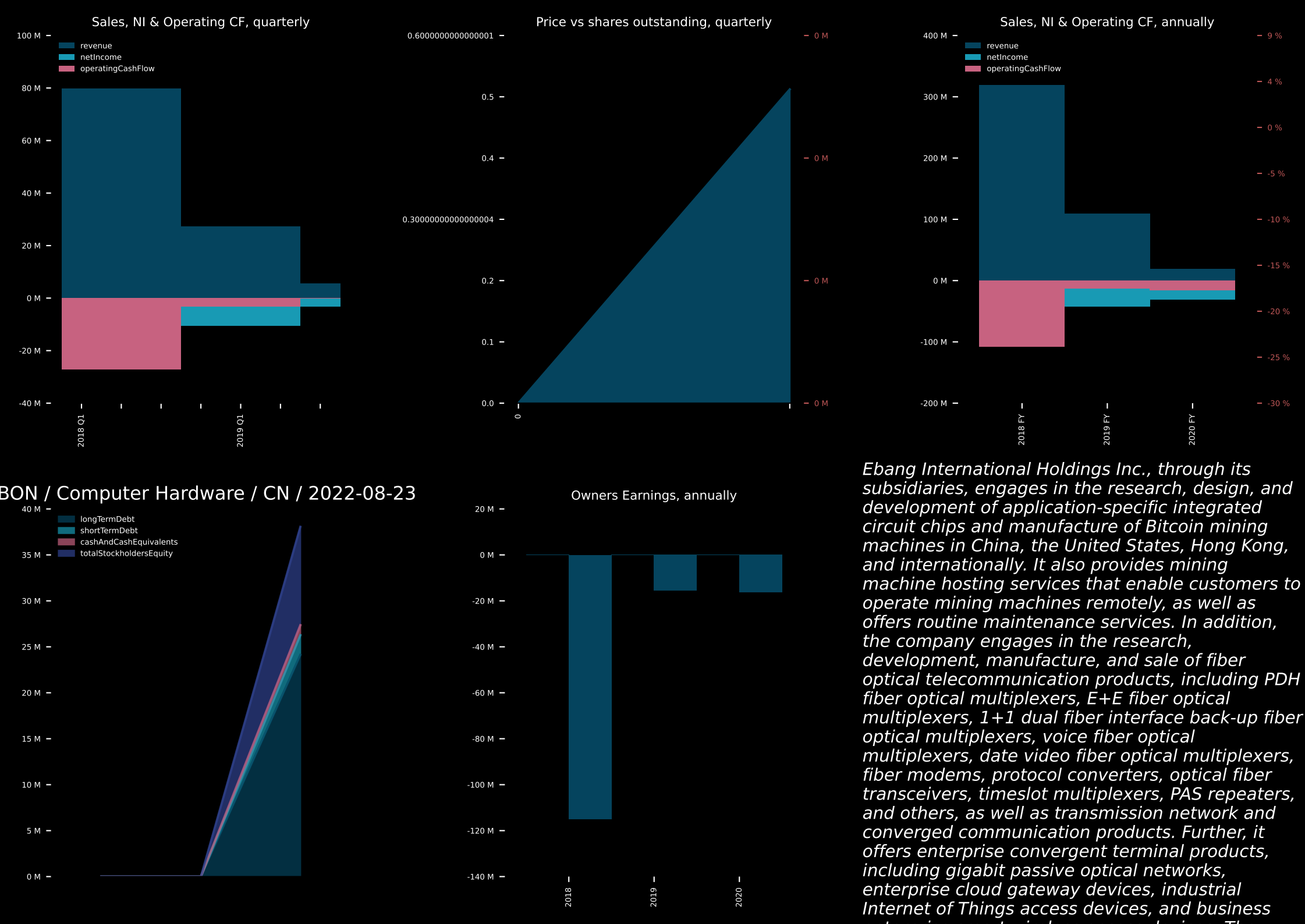
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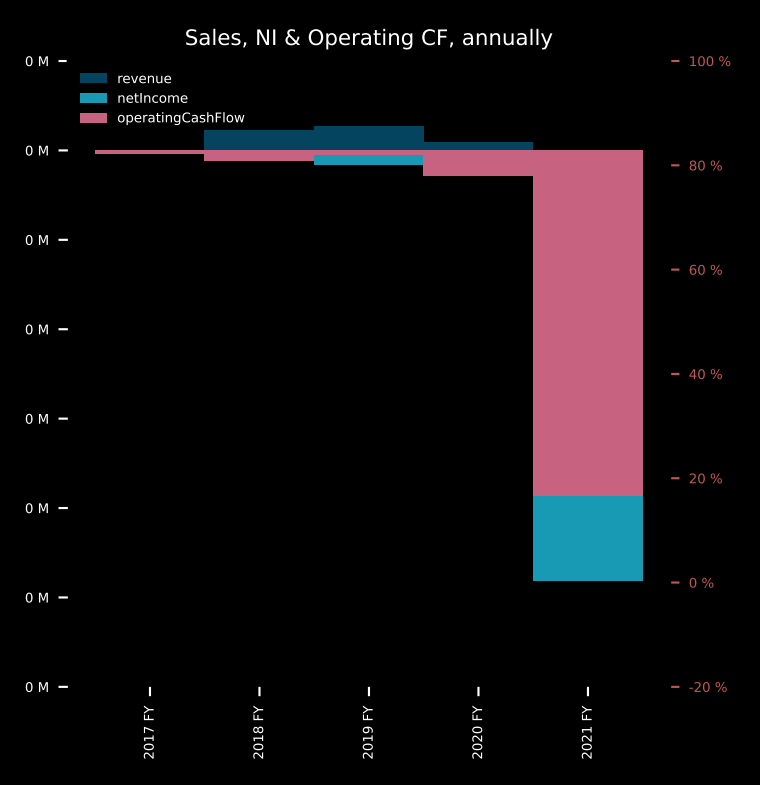
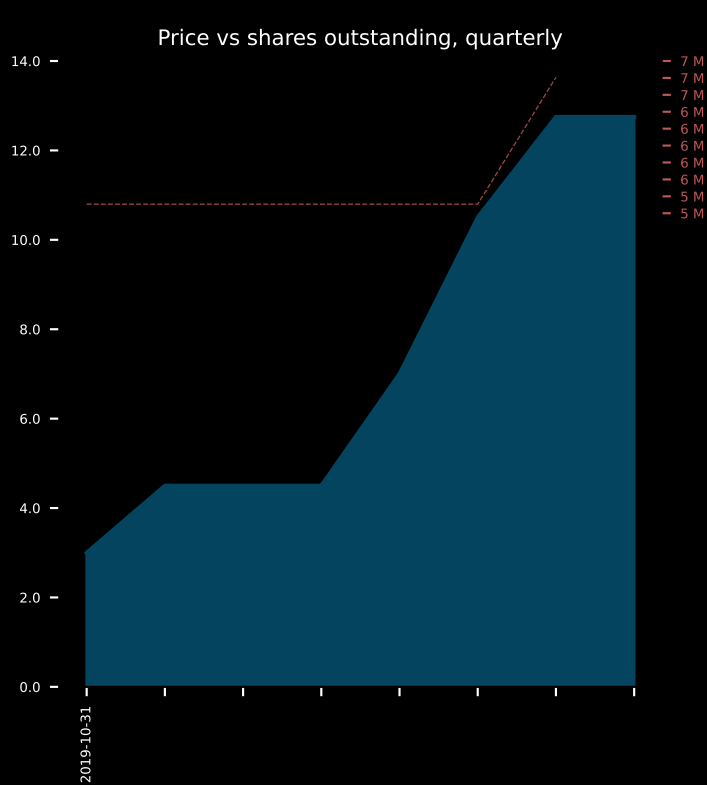
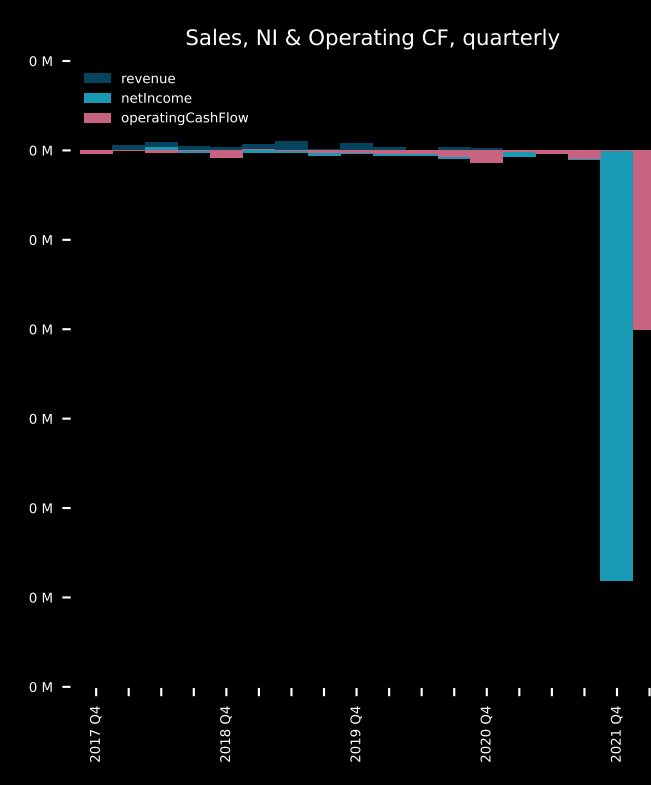


KTCC / Computer Hardware / US / 2022-08-23

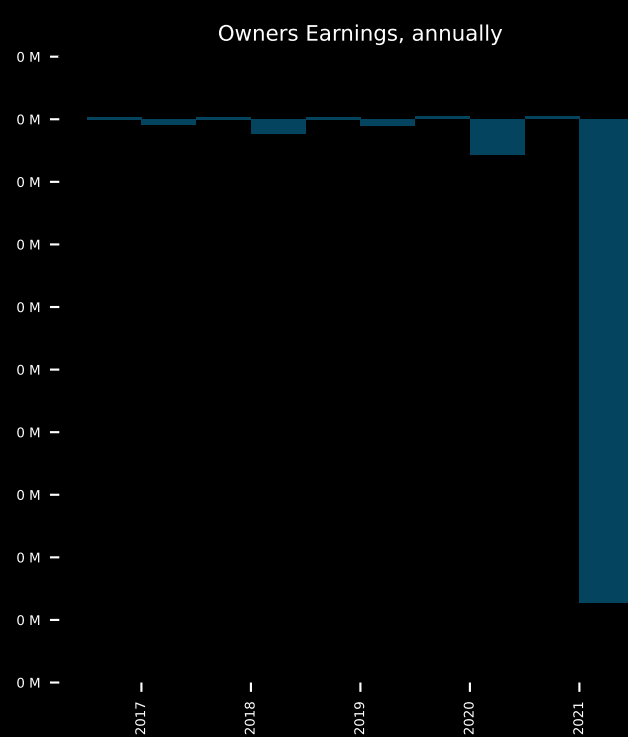
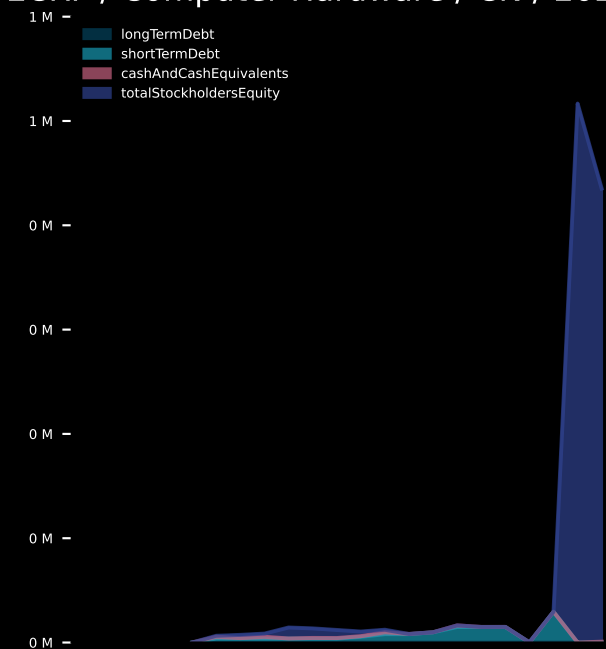


Key Tronic Corporation provides contract manufacturing services to original equipment manufacturers in the United States and internationally. The company offers integrated electronic and mechanical engineering, assembly, sourcing and procurement, logistics, and new product testing services. Its services include product design; surface mount technologies and pin through hole capability for printed circuit board assembly; tool making; precision plastic molding; sheet metal fabrication and painting; liquid injection molding; complex assembly; automated tape winding; prototype design; and full product assembly services. The company also manufactures and sells keyboards and other input devices. It markets its products and services primarily through field sales people and distributors. Key Tronic Corporation was incorporated in 1969 and is headquartered in Spokane Valley, Washington.

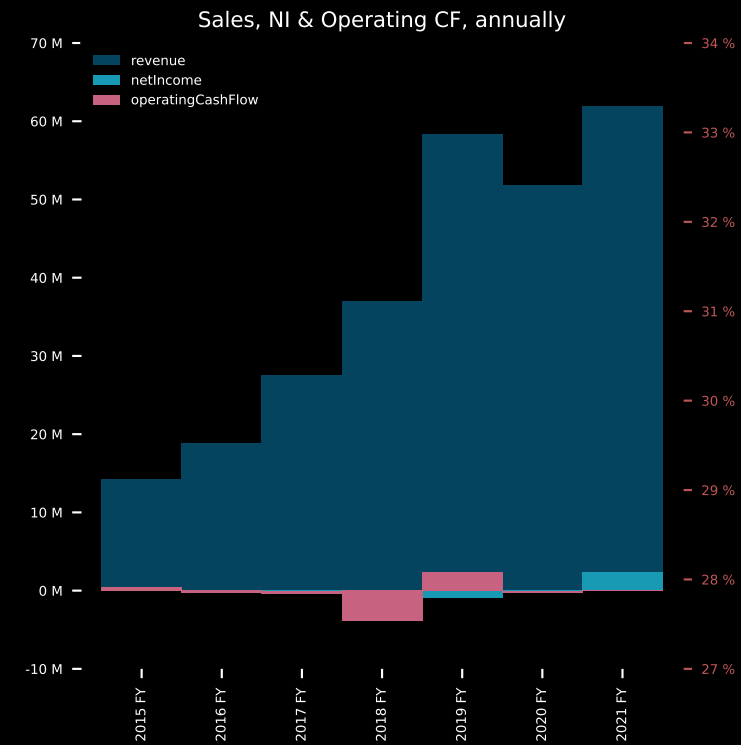
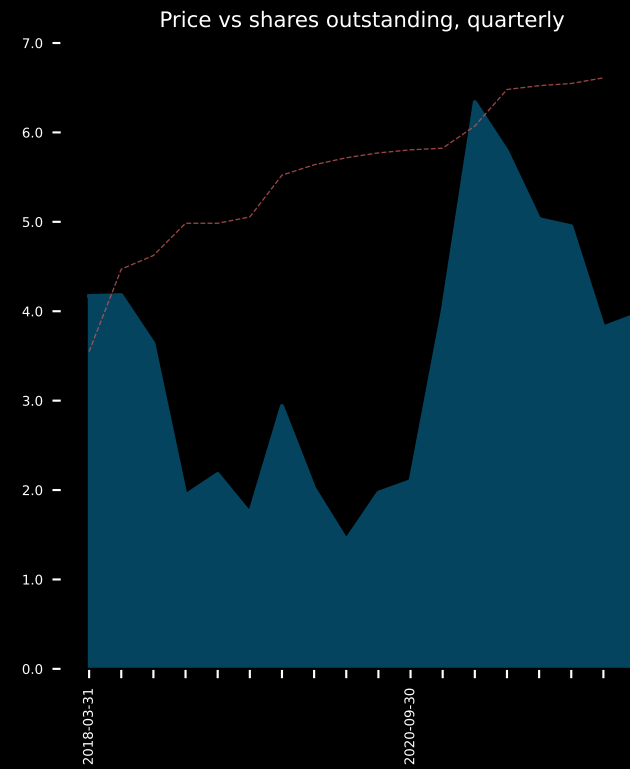




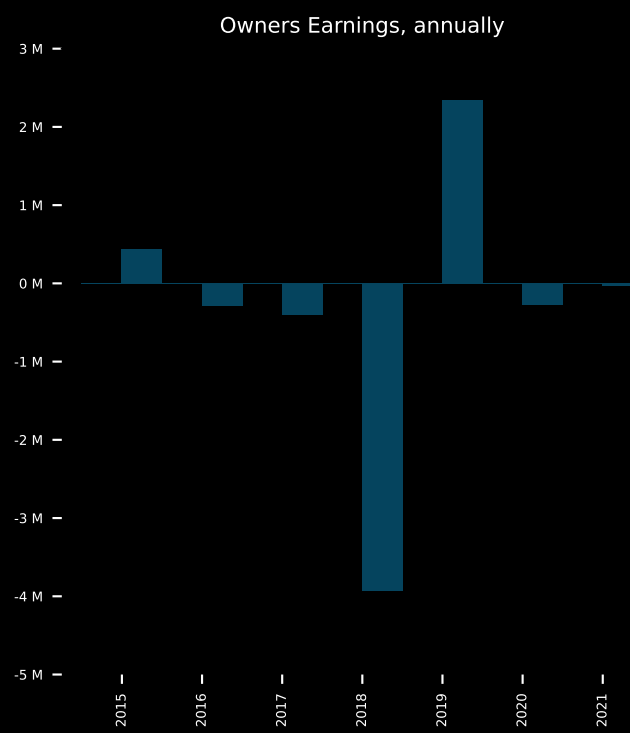
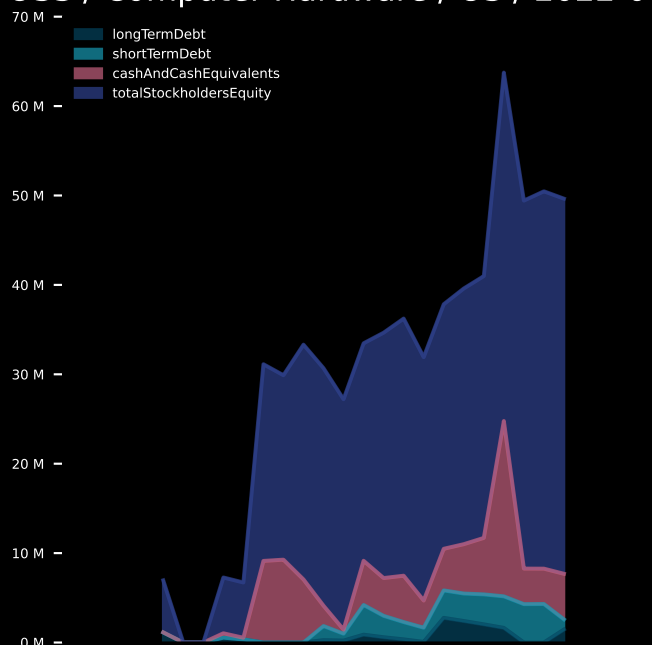
ECRP / Computer Hardware / CN / 2022-08-23



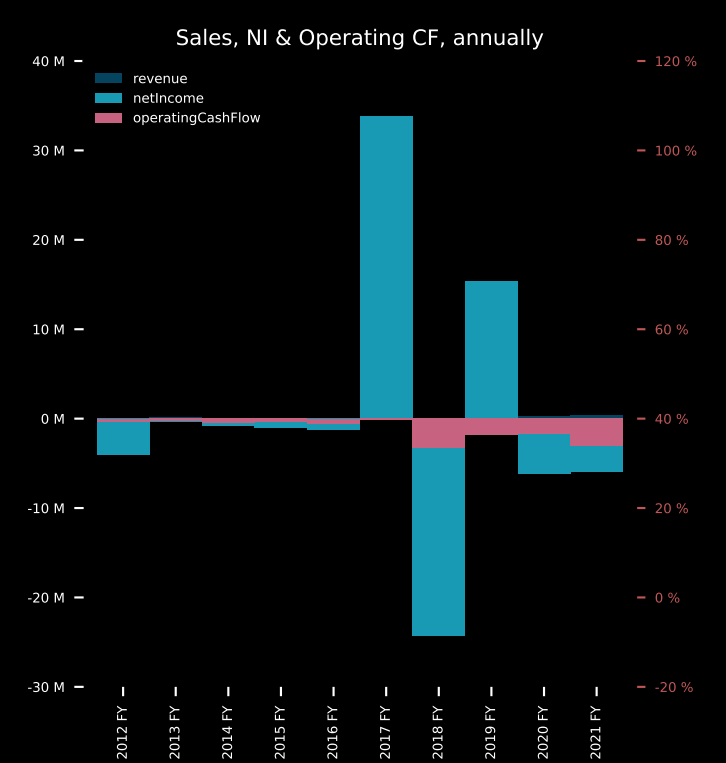
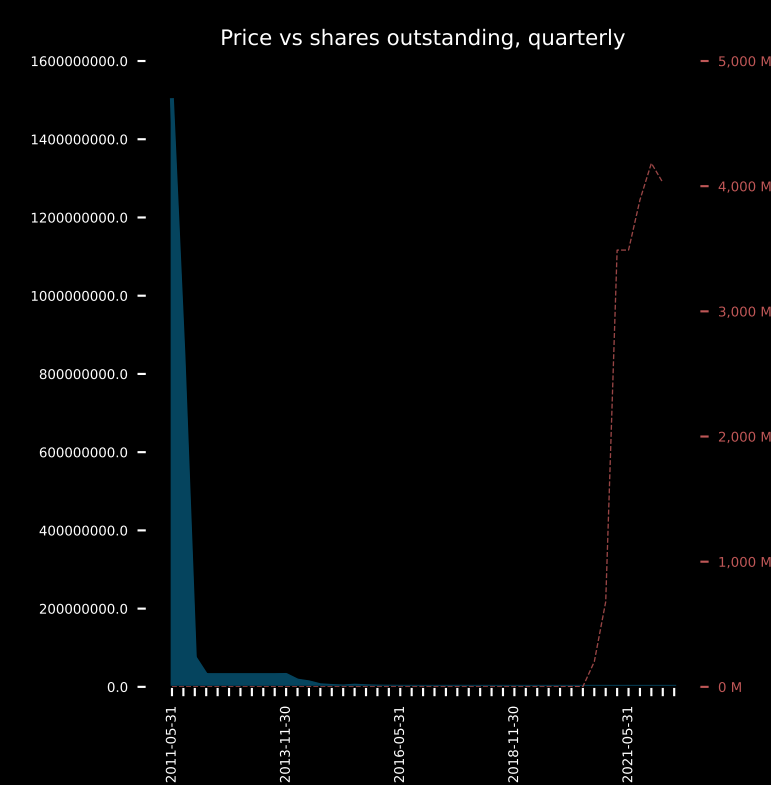
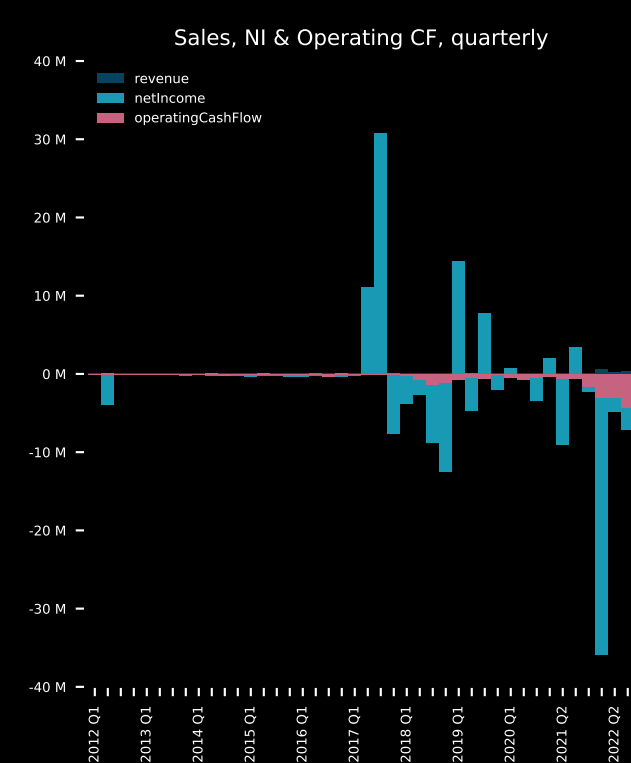
Chee Corp. operates in the 3D printing industry in China. The company provides 3D modeling and 3D print services to various items and accessories. Its products include design figure, badges, table plates, magnets, cups, etc. The company was founded in 2016 and is based in Qingdao, China.



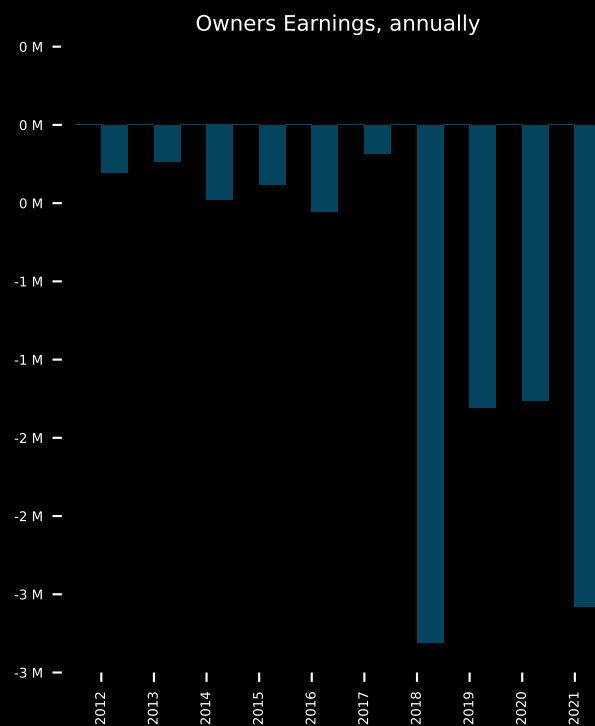
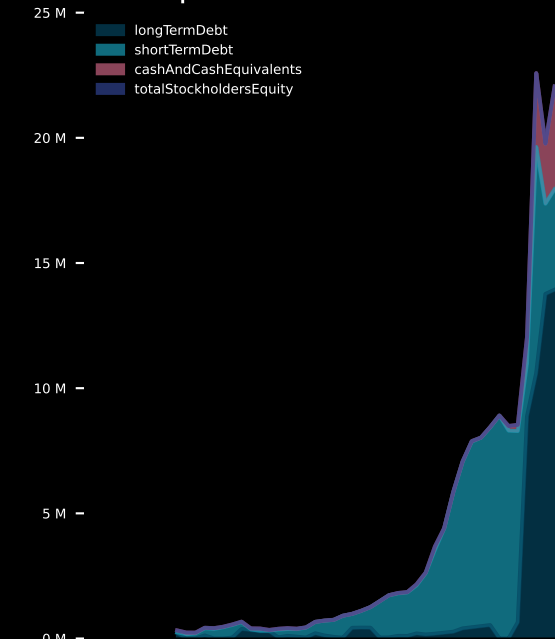
OSS / Computer Hardware / US / 2022-08-23



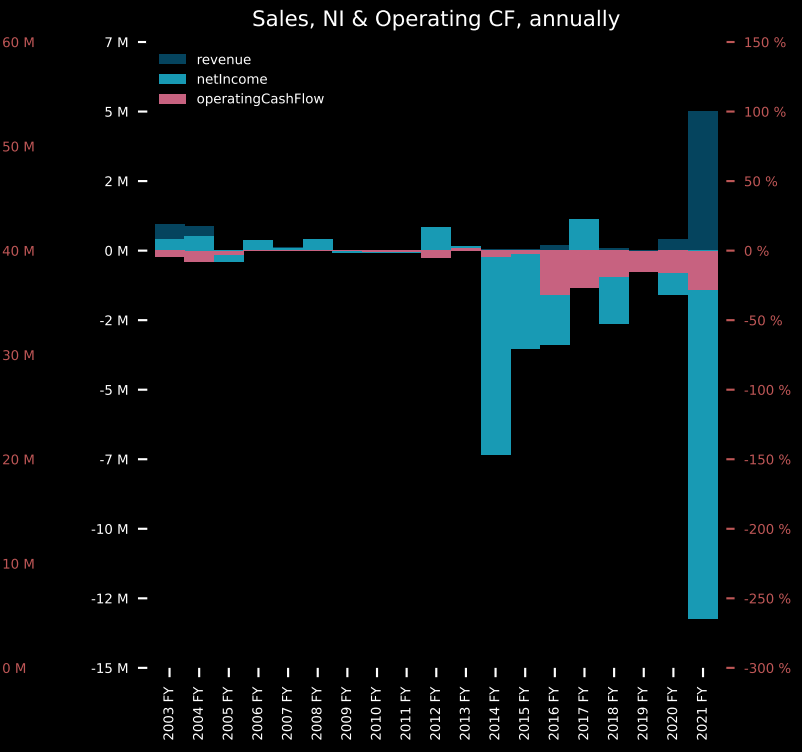
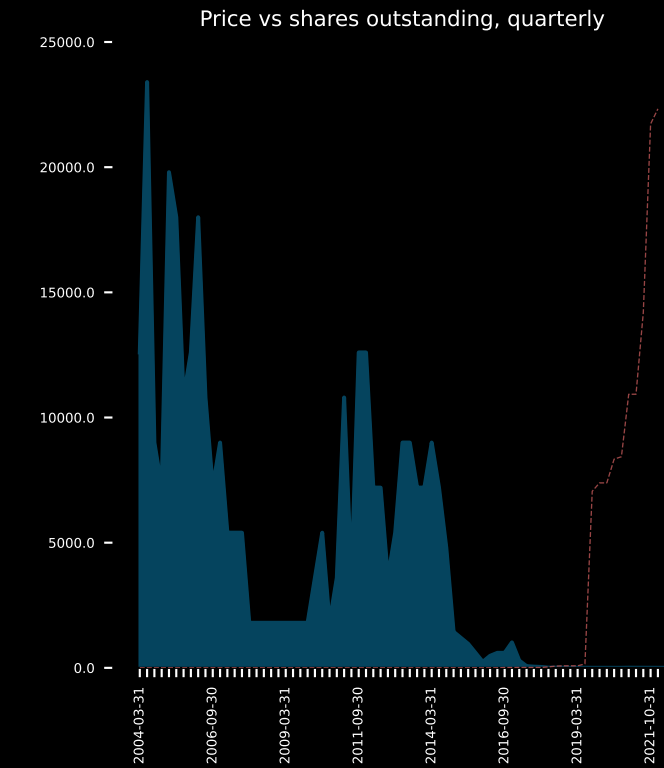
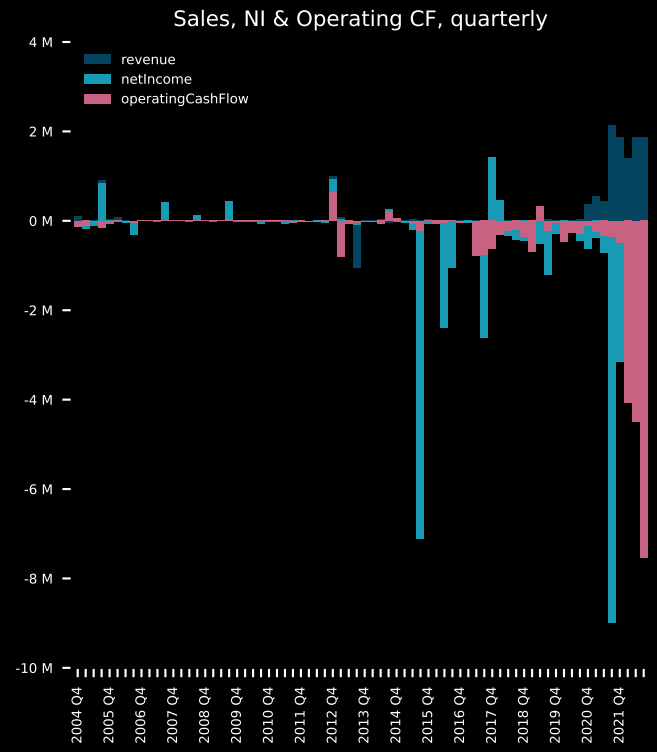
One Stop Systems, Inc. designs, manufactures, and markets high-performance computing modules and systems for edge deployments in the United States and internationally. Its systems are built using the graphical processing unit and solid-state flash technologies. The company provides custom servers, data acquisition platforms, compute accelerators, solid-state storage arrays, PCIe expansion products, and system I/O expansion systems, as well as edge optimized industrial and panel PCs. It also offers ruggedized mobile tablets and handhelds that meet the specialized requirement for devices deployed at the edge in a diverse set of environmental conditions. The company sells its products to multinational companies, governmental agencies, military contractors, and technology providers through its website, web store, direct sales team, and original equipment manufacturer focused sales, as well as through a network of resellers and distributors. One Stop Systems, Inc. was founded in 1998 and is headquartered in Escondido, California.



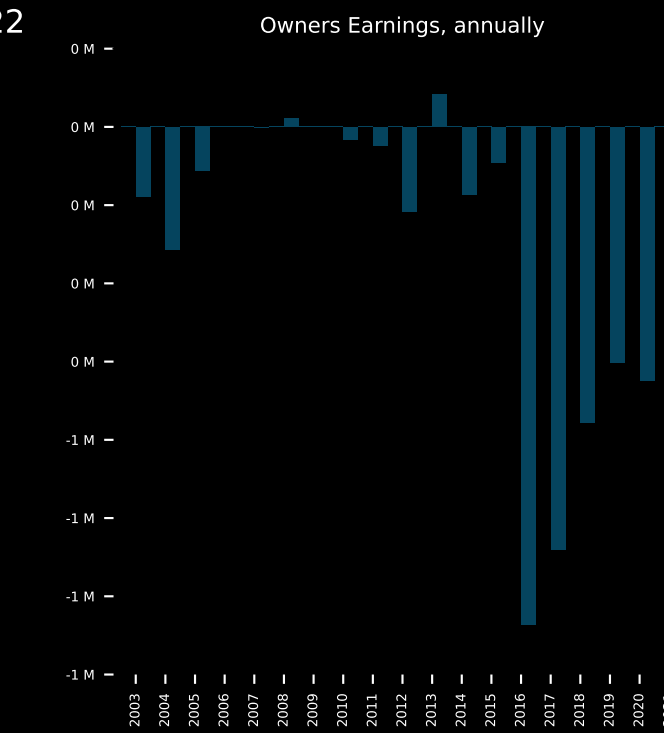
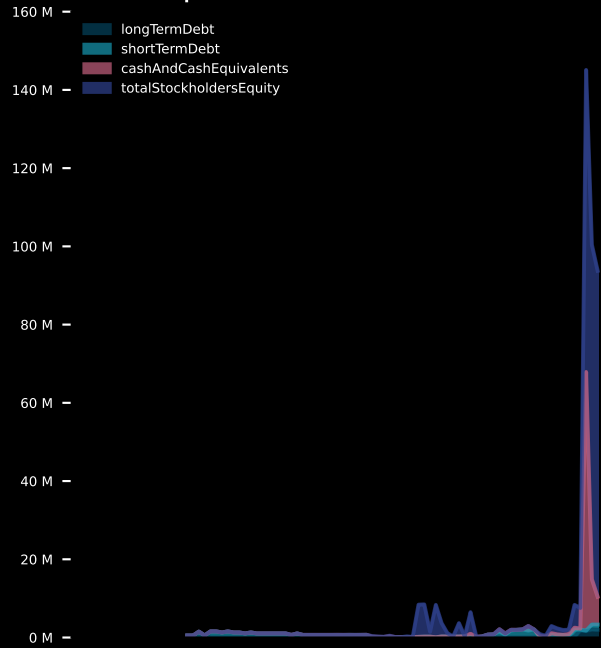
AITX / Computer Hardware / US / 2022-08-23



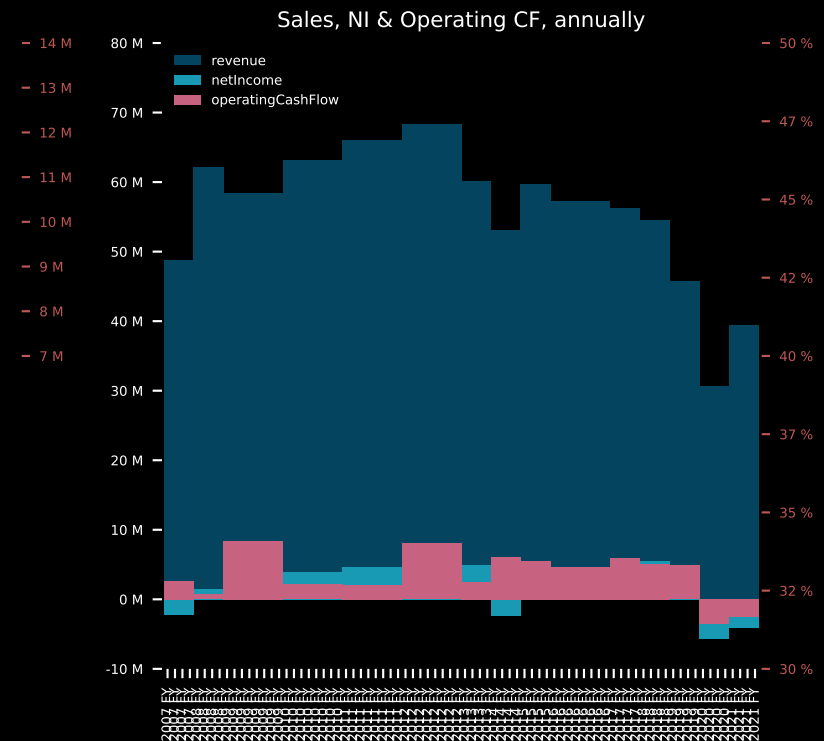
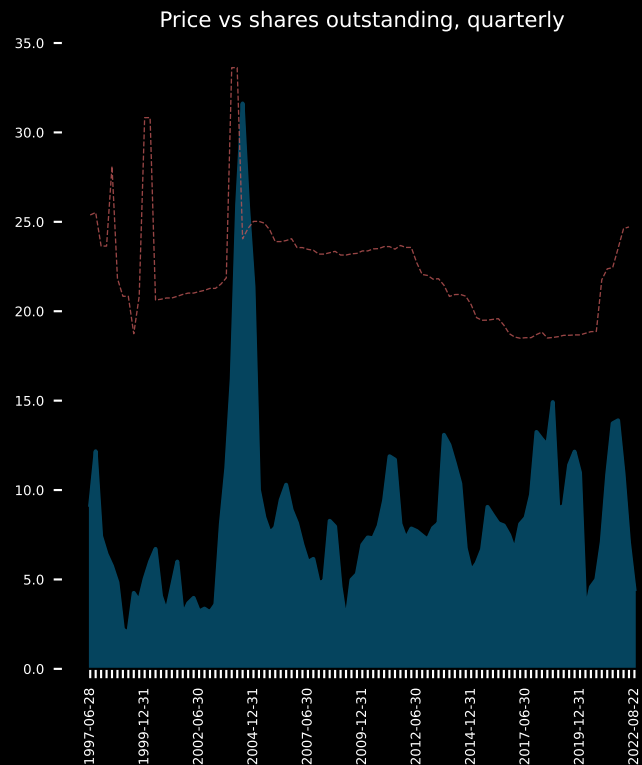
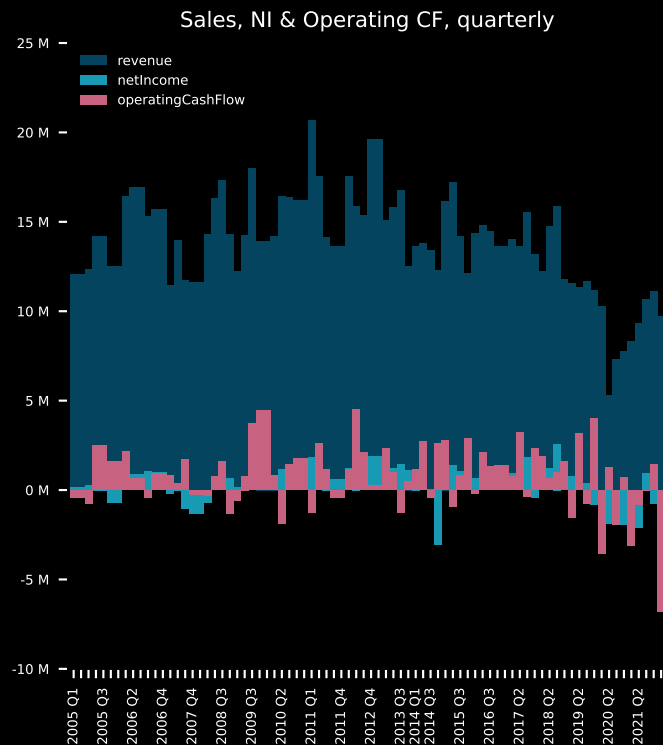
Artificial Intelligence Technology Solutions Inc. focuses on the delivery of artificial intelligence and robotic solutions for operational, security, and monitoring needs. It also develops front-end and back-end software solutions. The company was formerly known as On The Move Systems Corp. and changed its name to Artificial Intelligence Technology Solutions Inc. in August 2018. Artificial Intelligence Technology Solutions Inc. was founded in 2016 is based in Ferndale, Michigan.



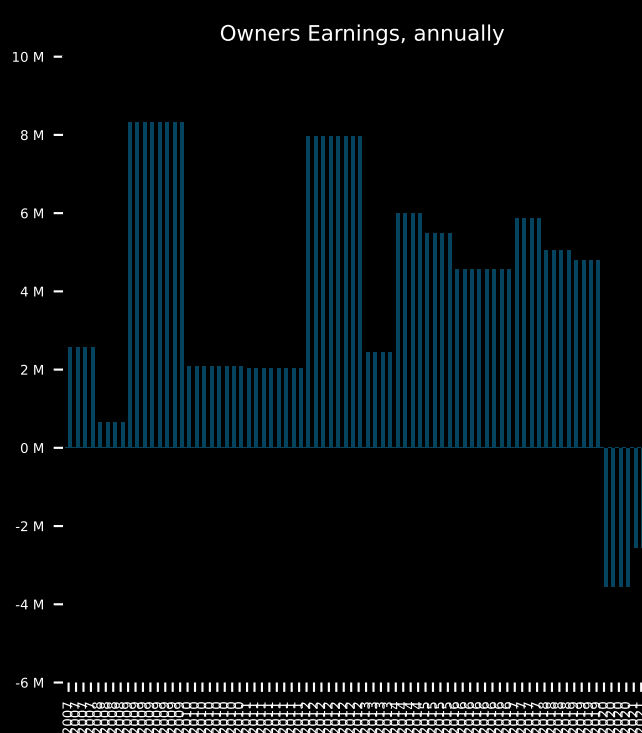
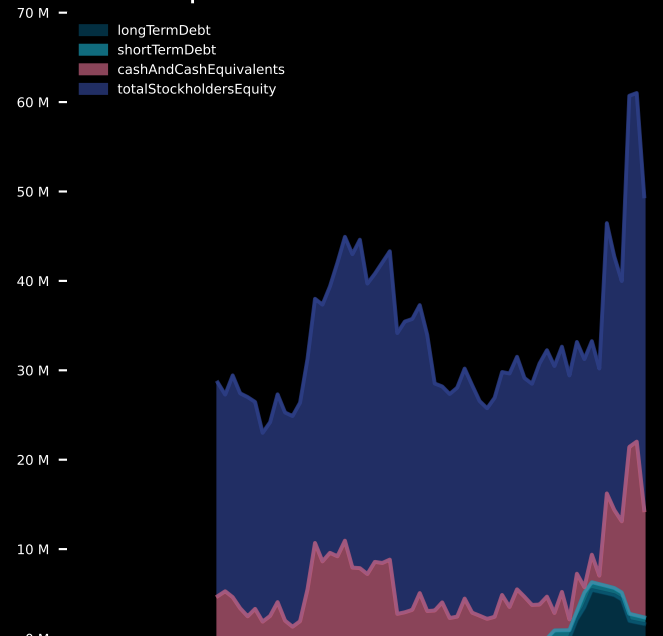
RCAT / Computer Hardware / US / 2022-08-22



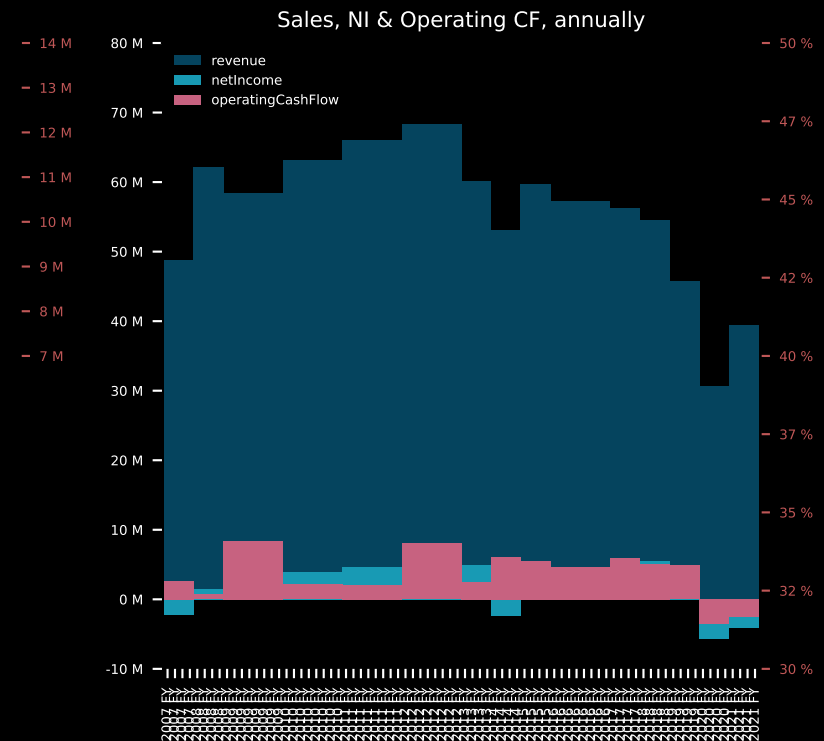
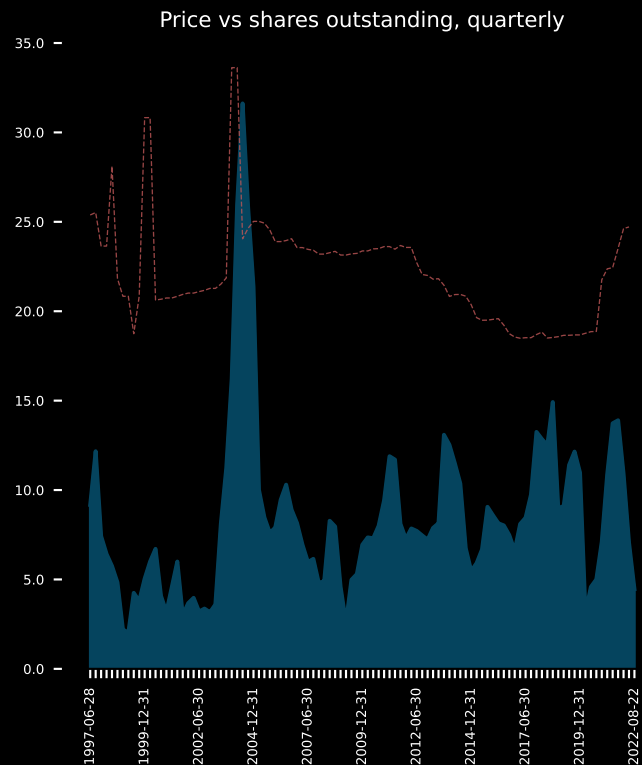
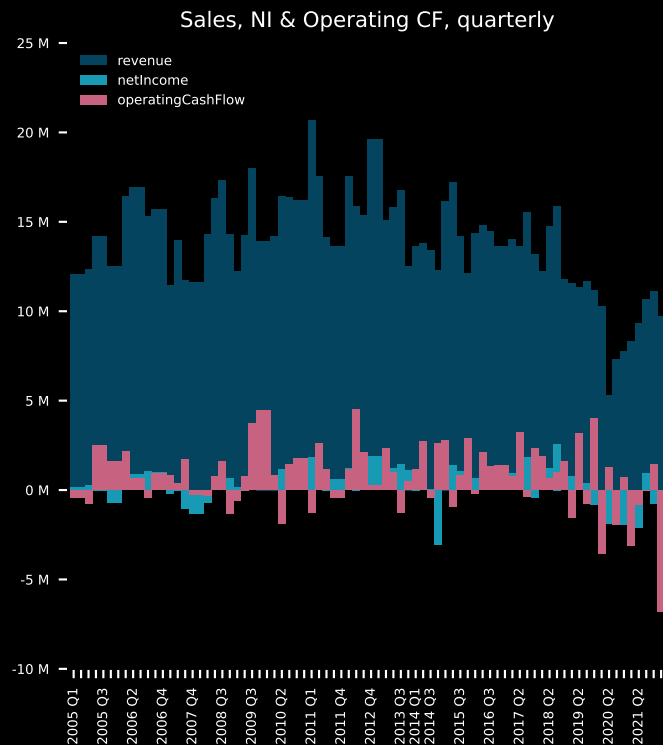
Red Cat Holdings, Inc., through its subsidiaries, provides various products, services, and solutions to the drone industry. It offers commercial and government unmanned aerial vehicle technology for reconnaissance, public safety, and inspection applications. The company also provides First Person View (FPV) video goggles; and software and hardware solutions that enable drones to complete inspection services in locations where global positioning systems are not available. In addition, it is involved in the resale of FPV drones and equipment primarily to the consumer marketplace. Further, the company is developing drone flight data analytics and storage solutions, as well as diagnostic products and services. Red Cat Holdings, Inc. is based in Humacao, Puerto Rico.



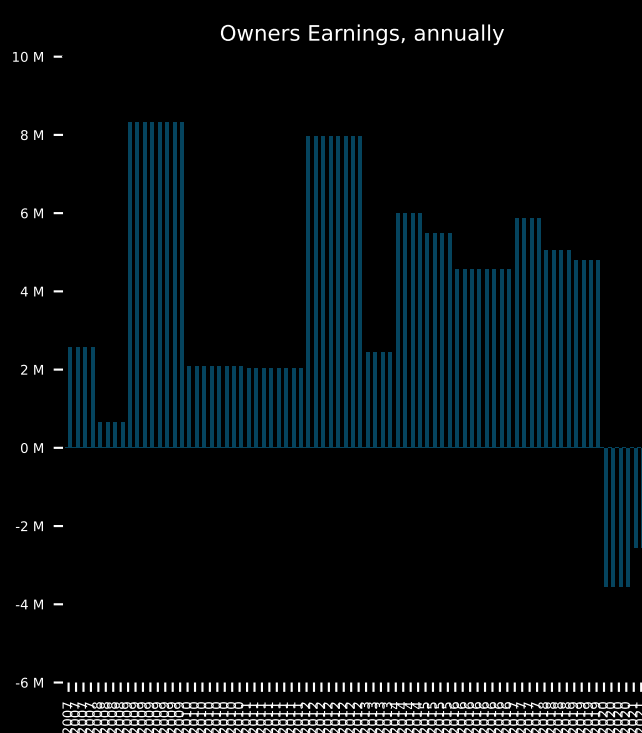
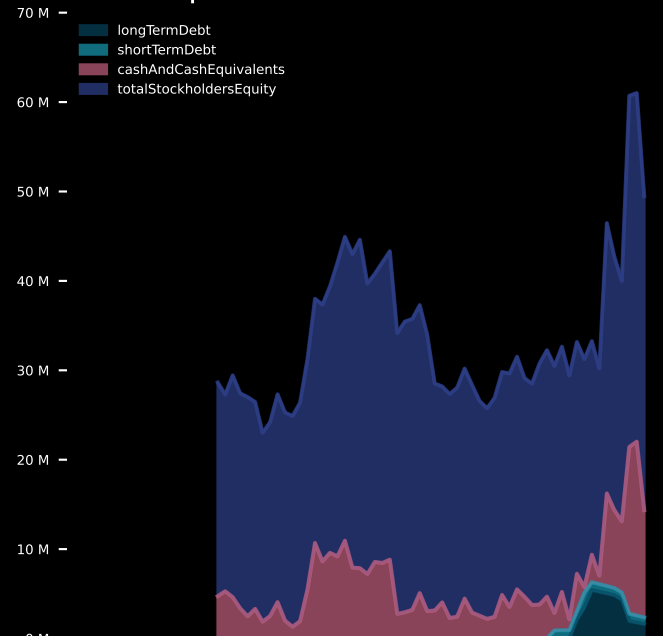
TACT / Computer Hardware / US / 2022-08-22



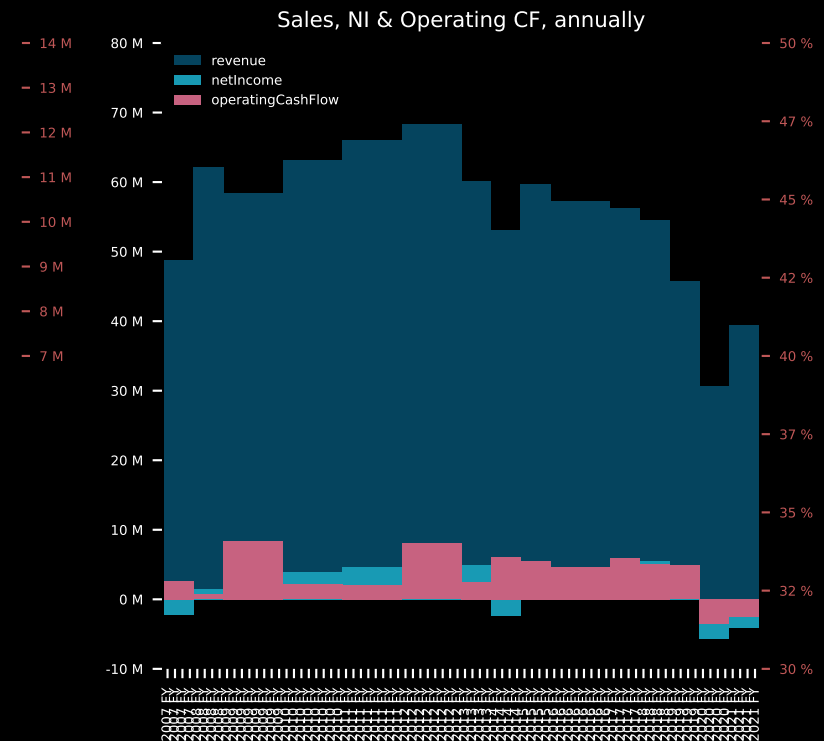
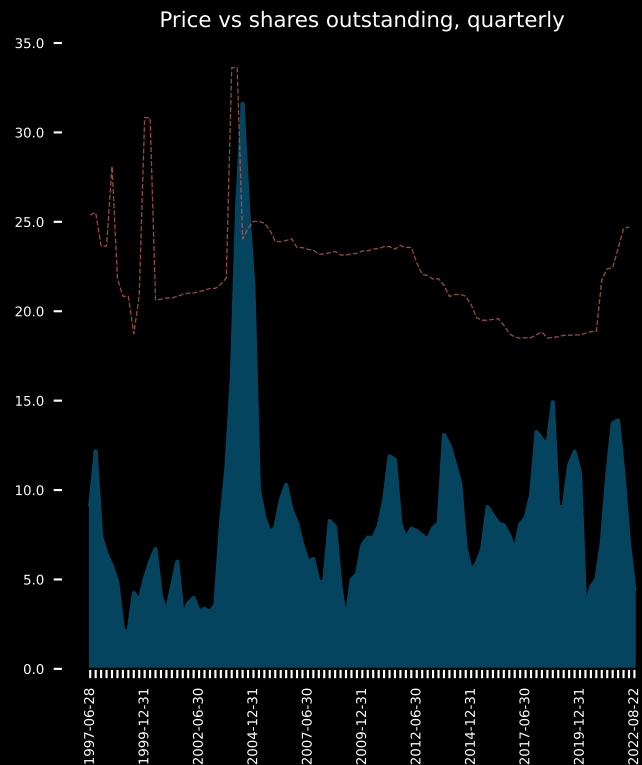
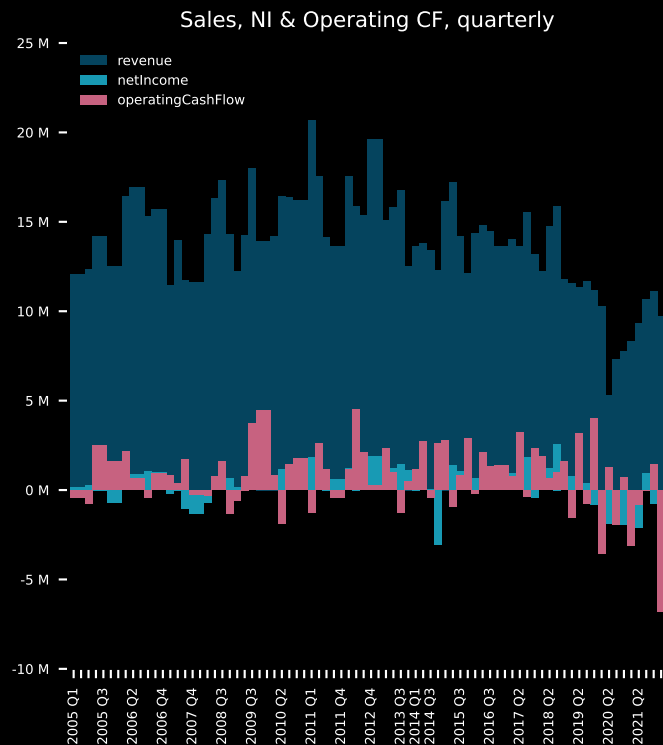
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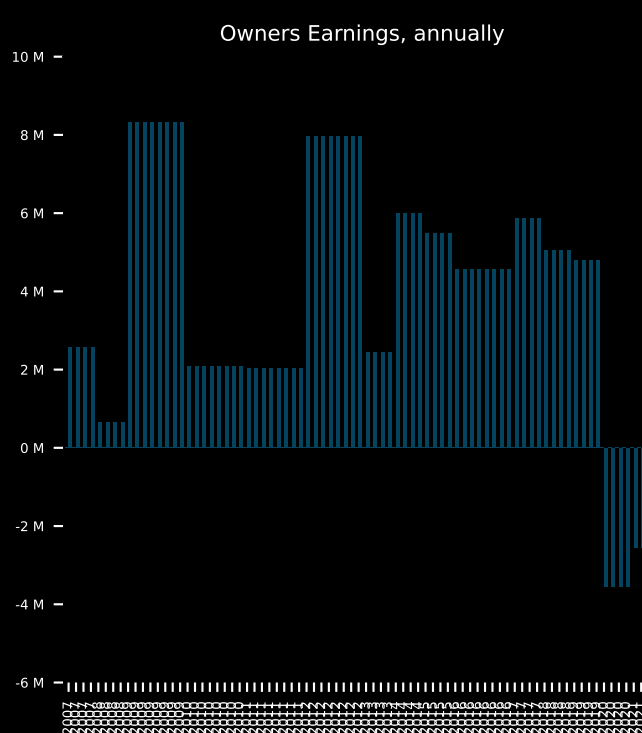
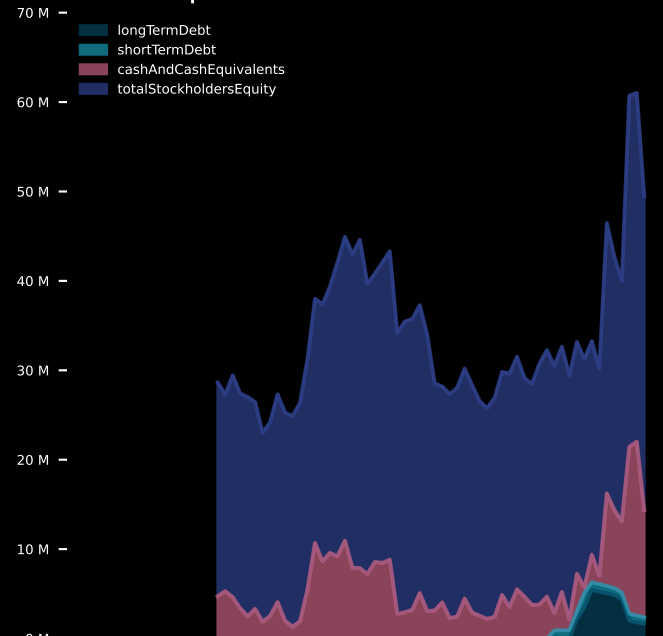
TACT / Computer Hardware / US / 2022-08-22



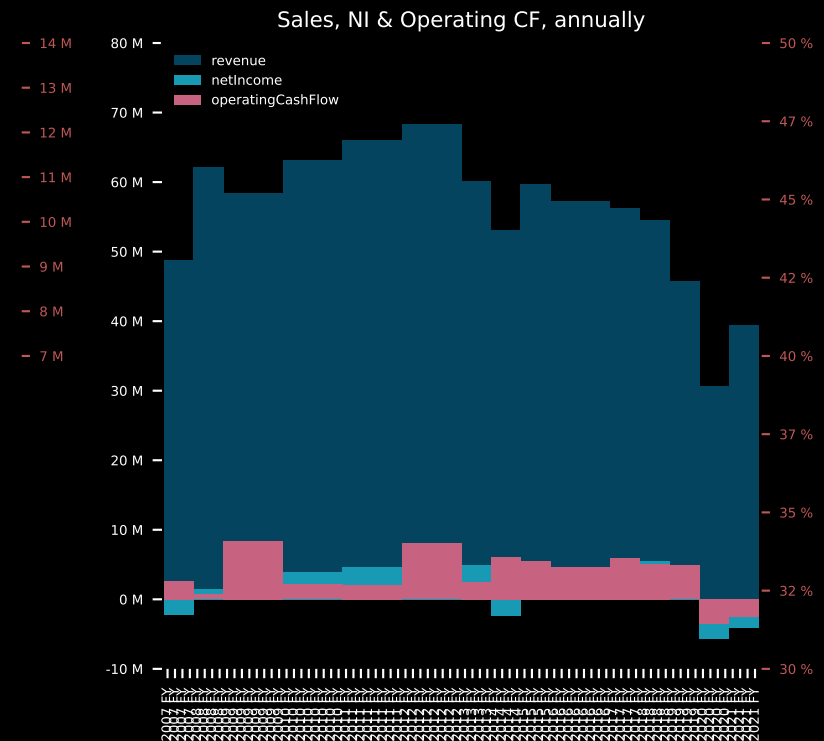
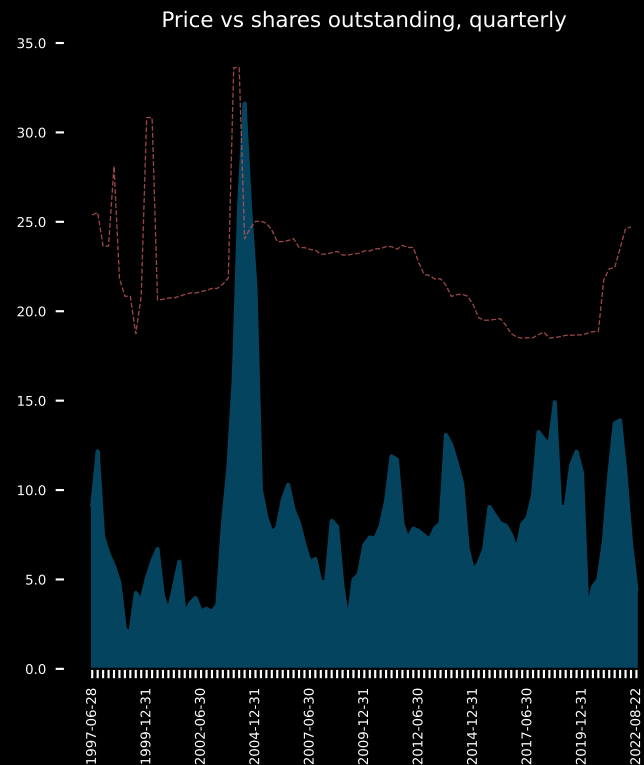
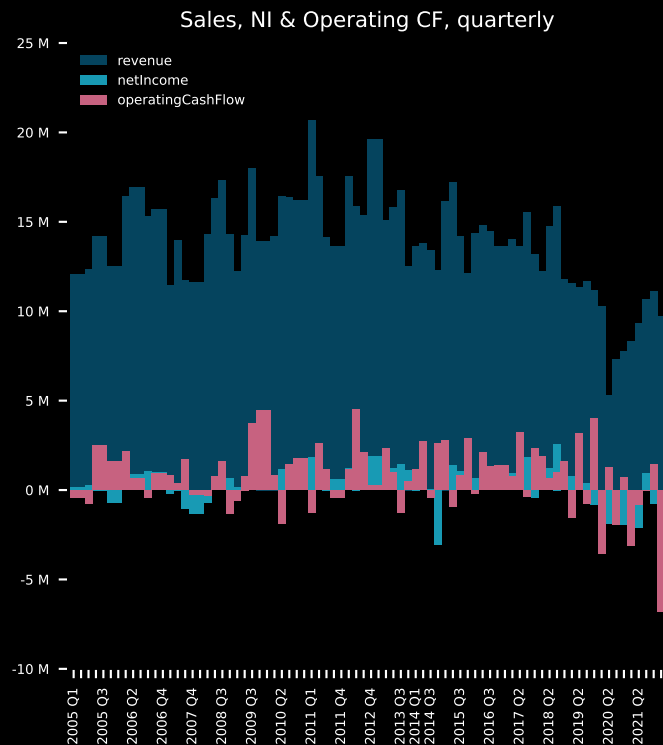
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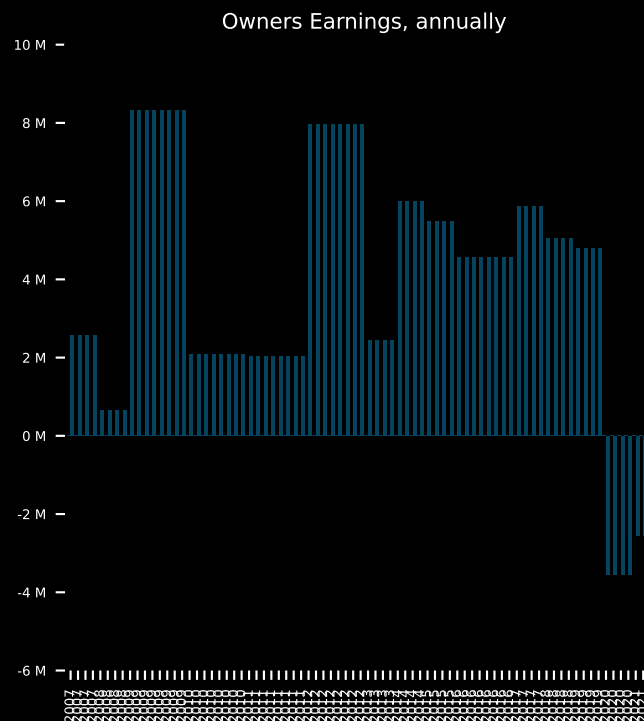
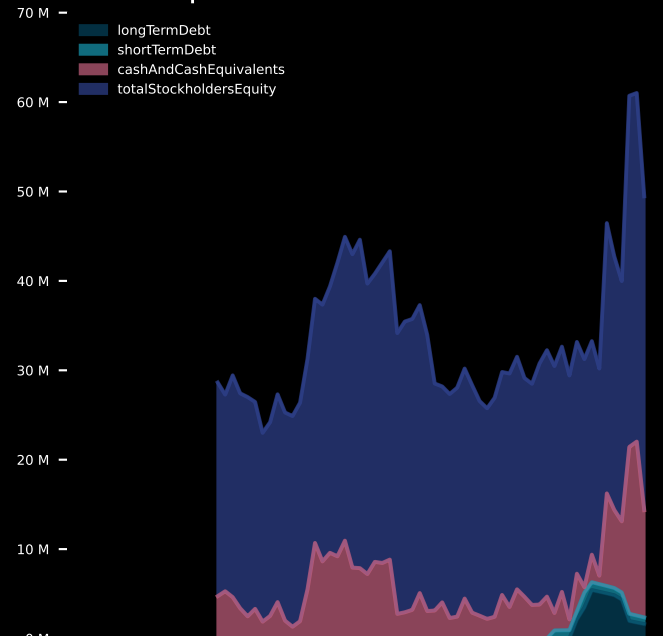
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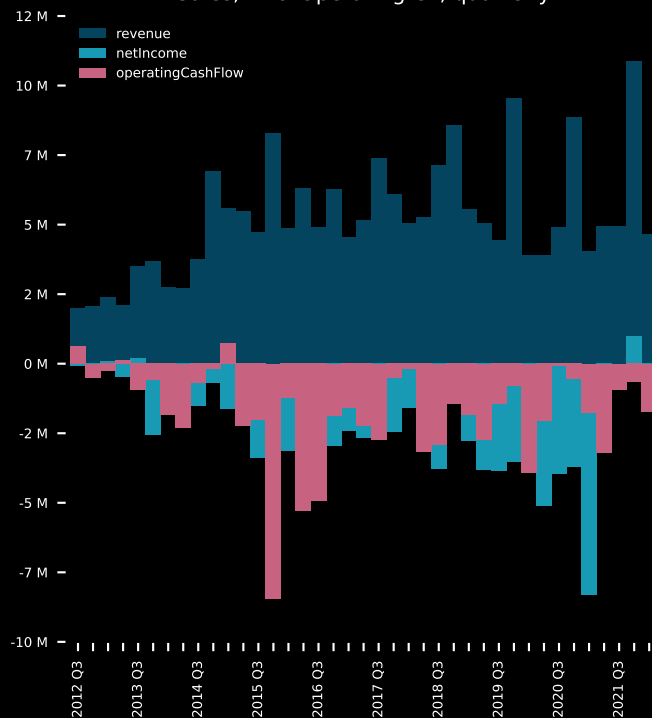


TACT / Computer Hardware / US / 2022-08-22

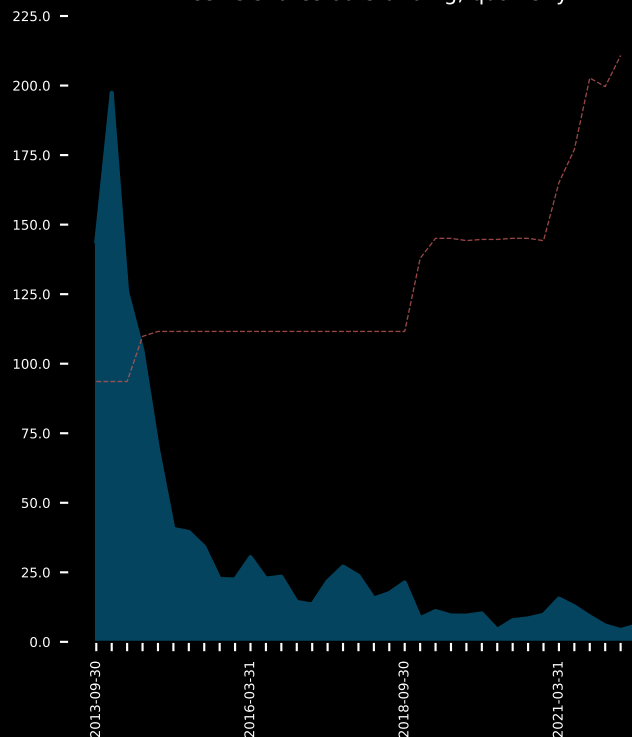


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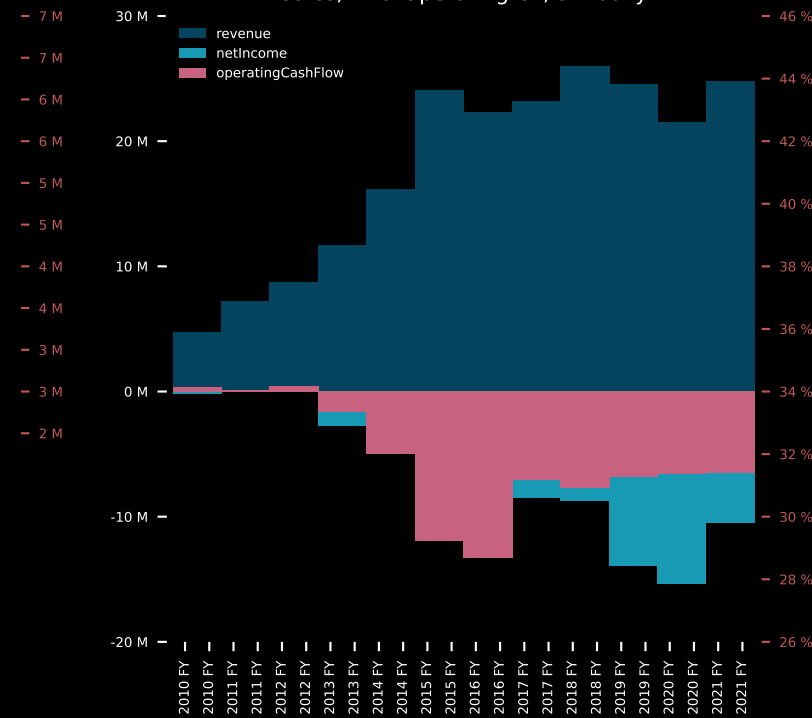
Sales, NI & Operating CF, quarterly



Price vs shares outstanding, quarterly

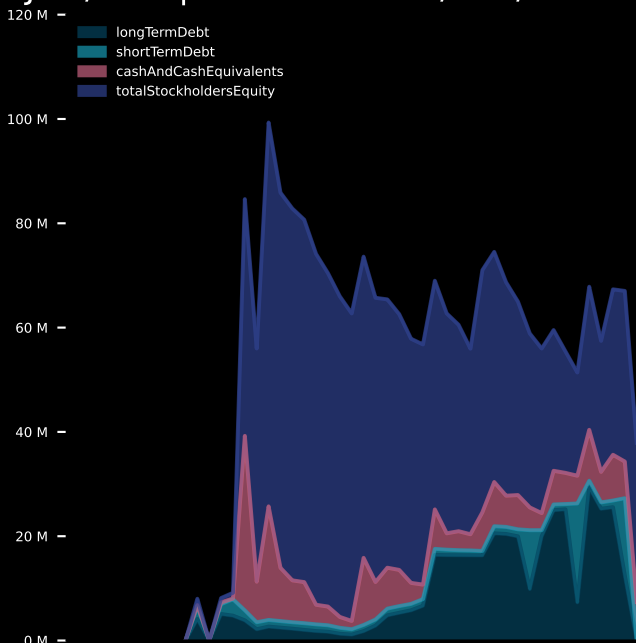


Sales, NI & Operating CF, annually

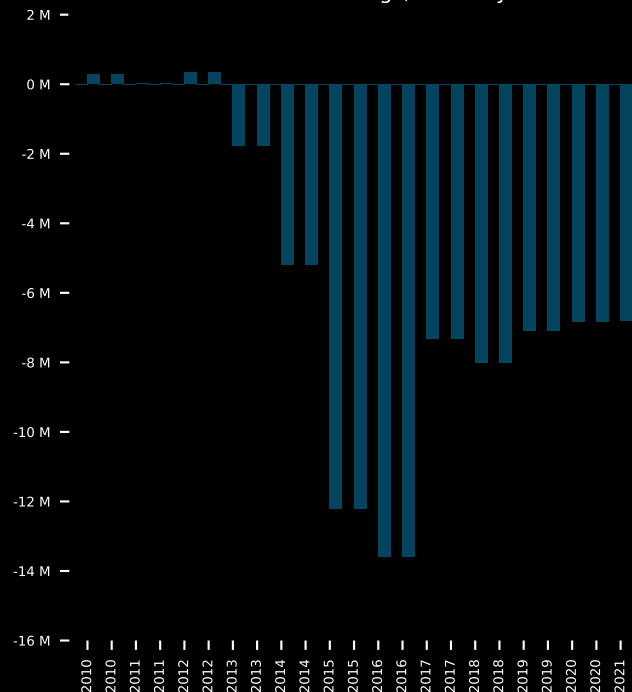


voxeljet AG provides three-dimensional (3D) printers and on-demand parts services to industrial and commercial customers in Europe, the Middle East, Africa, the Asia Pacific, and the Americas. It operates in two segments, Systems and Services. The Systems segment develops, manufactures, and sells 3D printers. This segment also offers consumables, including particulate materials and proprietary chemical binding agents, maintenance contracts, extended warranty contracts, and spare parts. The Services segment prints on-demand parts for its customers, as well as creates parts, molds, cores, and models using 3D computer-aided design at its service center; and provides casting services. It serves automotive, aerospace, art and architecture, engineering, and consumer product end markets; foundries and suppliers; and universities and research institutes through its direct sales force and a network of sales agents. The company was formerly known as Voxeljet Technology GmbH and changed its name to voxeljet AG in January 2004. voxeljet AG was founded in 1999 and is headquartered in Friedberg, Germany.

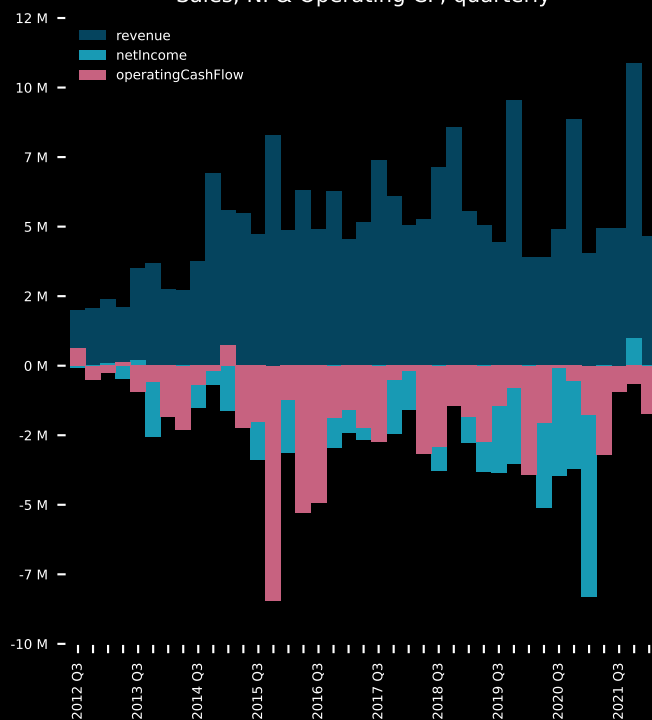
VJET / Computer Hardware / DE / 2022-08-23



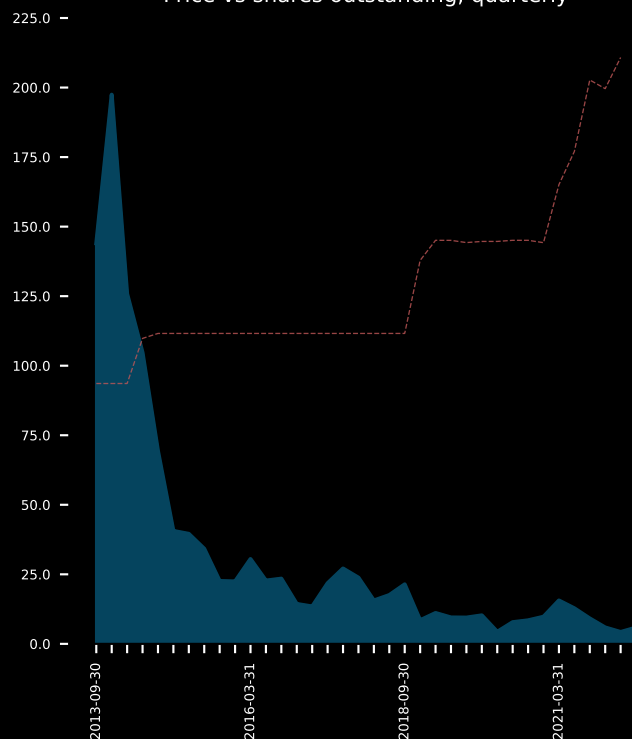
Owners Earnings, annually



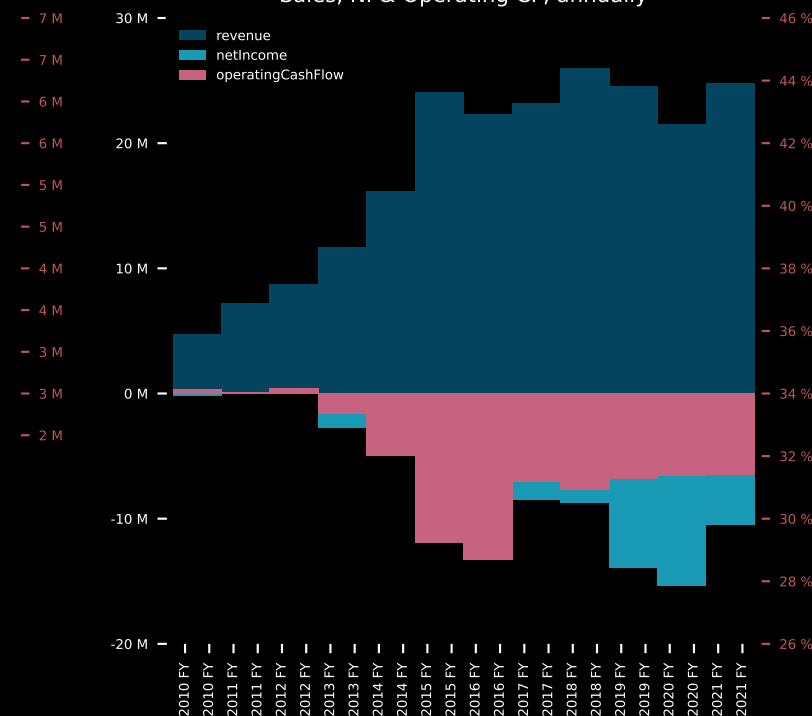
Sales, NI & Operating CF, quarterly



Price vs shares outstanding, quarterly

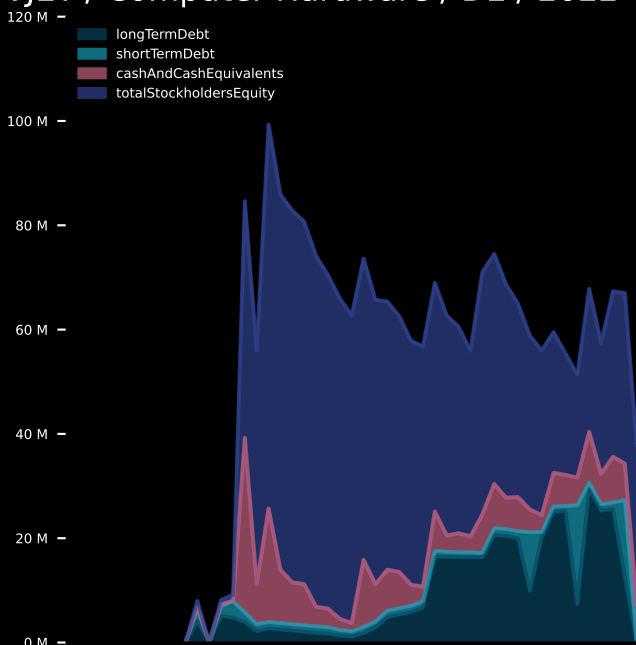


Sales, NI & Operating CF, annually

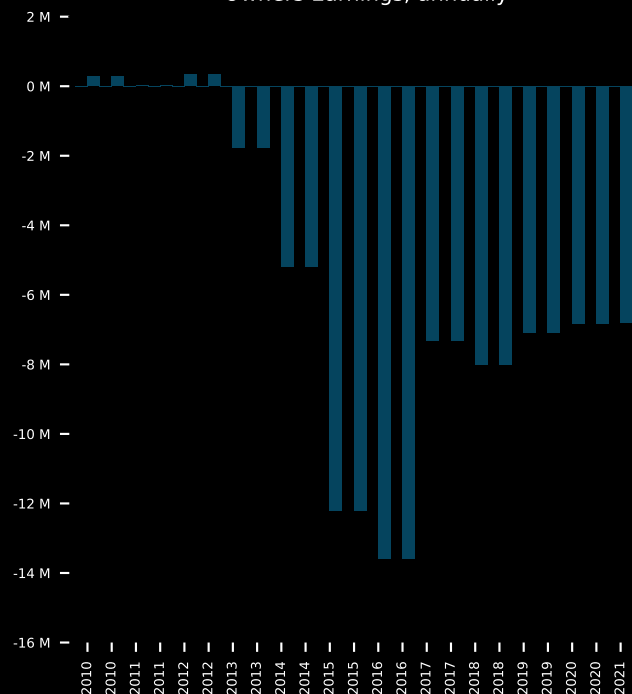


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VJET / Computer Hardware / DE / 2022-08-23



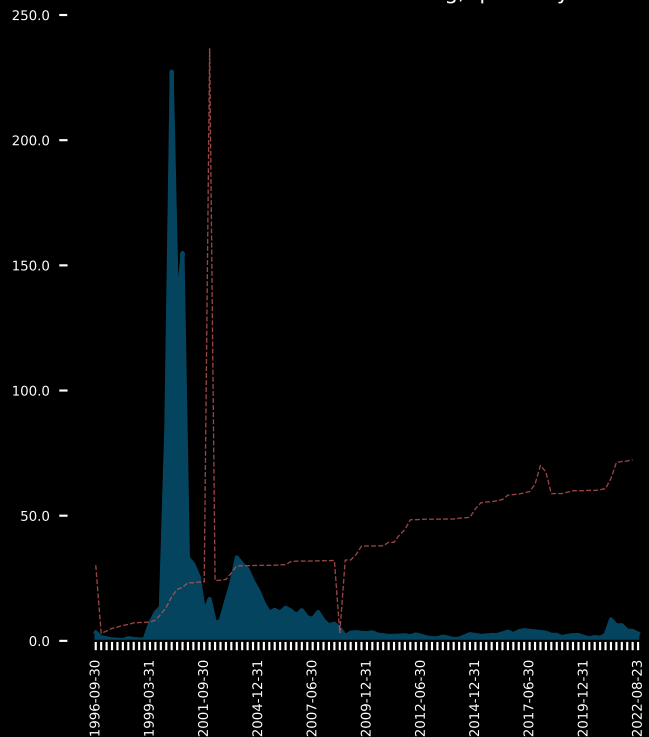
Owners Earnings, annually



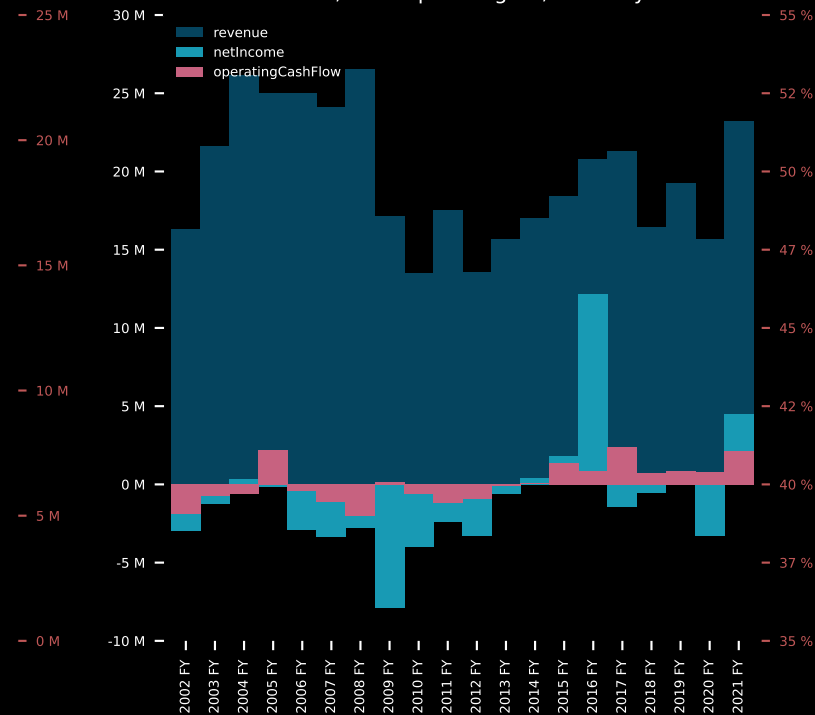
Sales, NI & Operating CF, quarterly



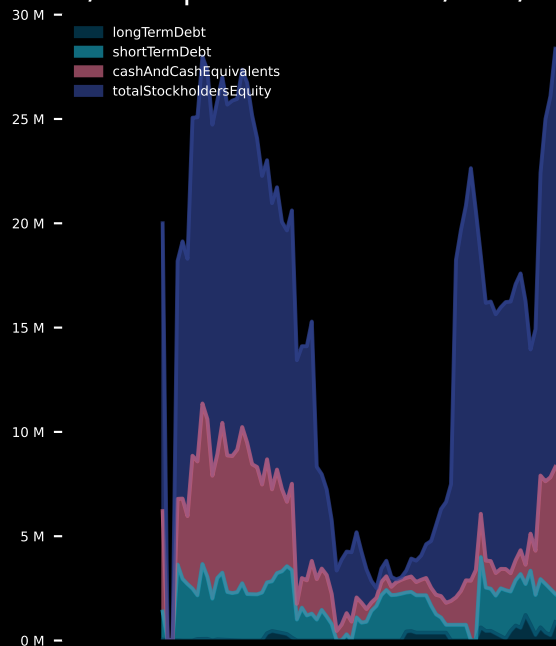
Price vs shares outstanding, quarterly



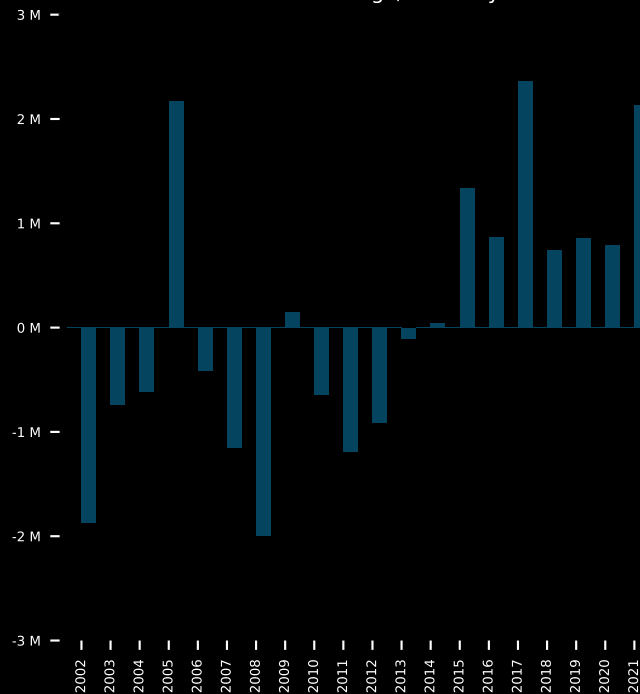
Sales, NI & Operating CF, annually



SCKT / Computer Hardware / US / 2022-08-23

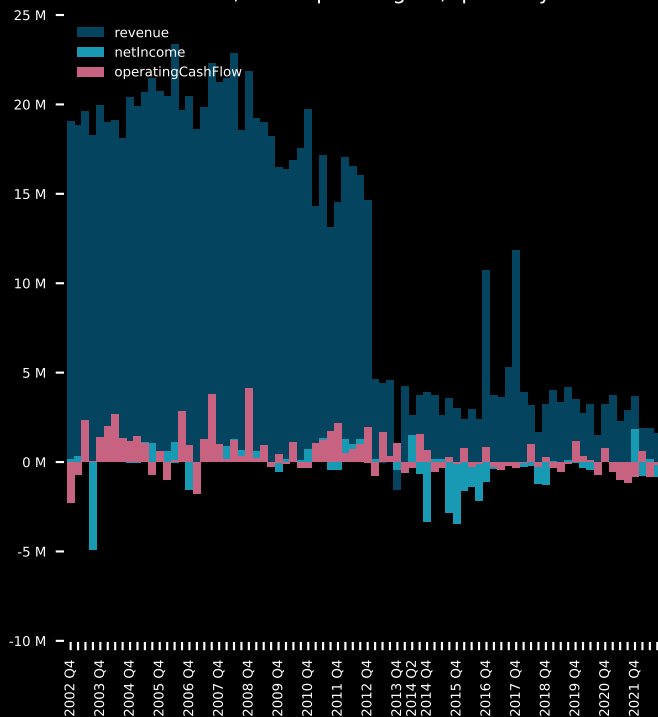


Owners Earnings, annually

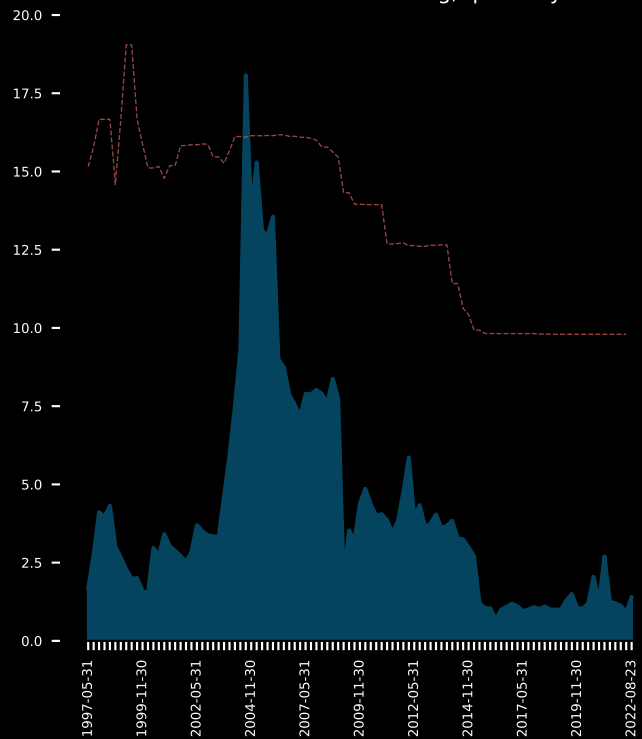


Socket Mobile, Inc. provides data capture and delivery solutions in the United States, Europe, Asia, and internationally. The company's products are incorporated into mobile applications used in point of sale, commercial services, asset tracking, manufacturing process and quality control, transportation and logistics, event management, medical, and education. It provides cordless data capture devices that connect over Bluetooth and work with applications running on smartphones, mobile computers, and tablets; and software developer kits to application developers to enable them to provide their users with its advanced barcode scanning features. The company's cordless data capture devices include DuraScan 700 series, including D700 1D linear imaging scanner; D730 1D laser barcode scanner; D740, D745, D750, D755, and D760 universal barcode scanners that reads all common 1D, stacked, 2D, and postal codes; and SocketScan 800 series cordless barcode scanners, including S800, a 1D linear imaging scanner, and S840 and S860 2D scanner that are attachable to smartphones, tablets, and other mobile devices. It also provides D600 series, including D610, D615, D620, D625, D630, D635, D640, D645, D650, D655, and D660 2D scanner that are attachable to smartphones, tablets, and other mobile devices.

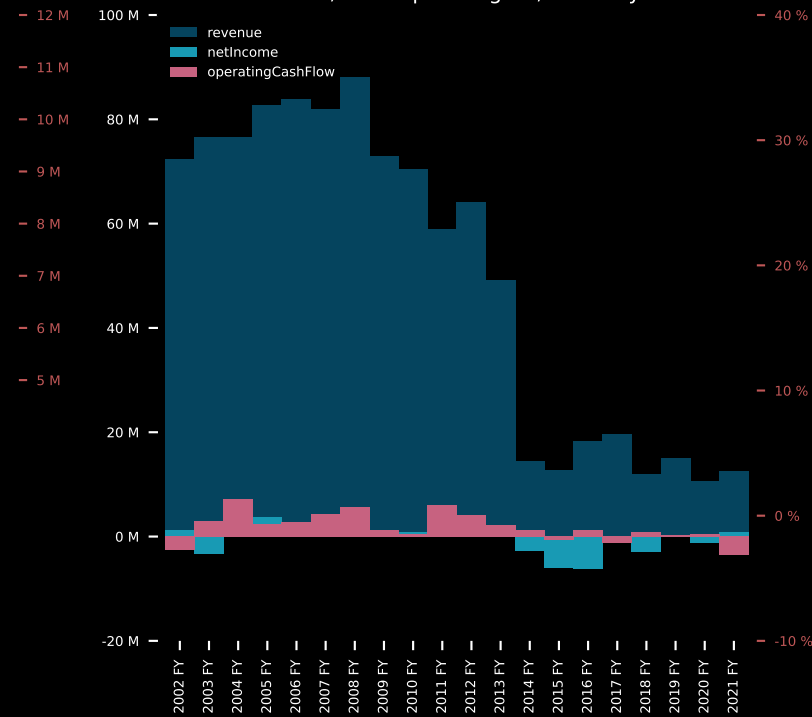
Sales, NI & Operating CF, quarterly



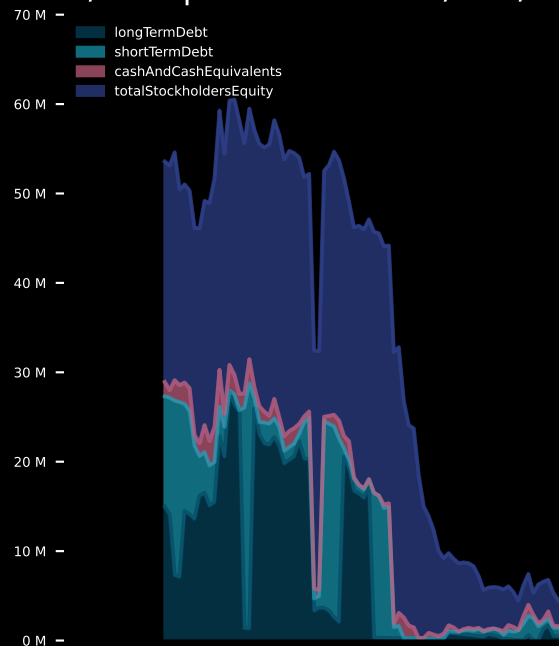
Price vs shares outstanding, quarterly



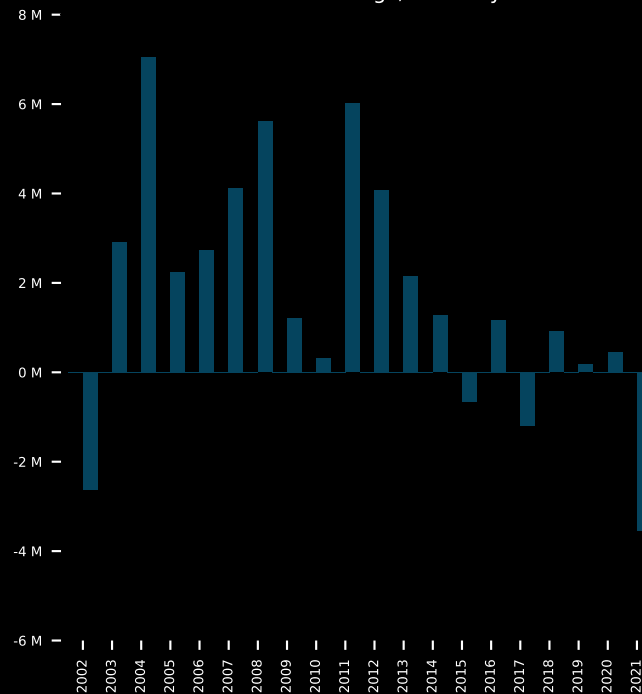
Sales, NI & Operating CF, annually



VIDE / Computer Hardware / US / 2022-08-23

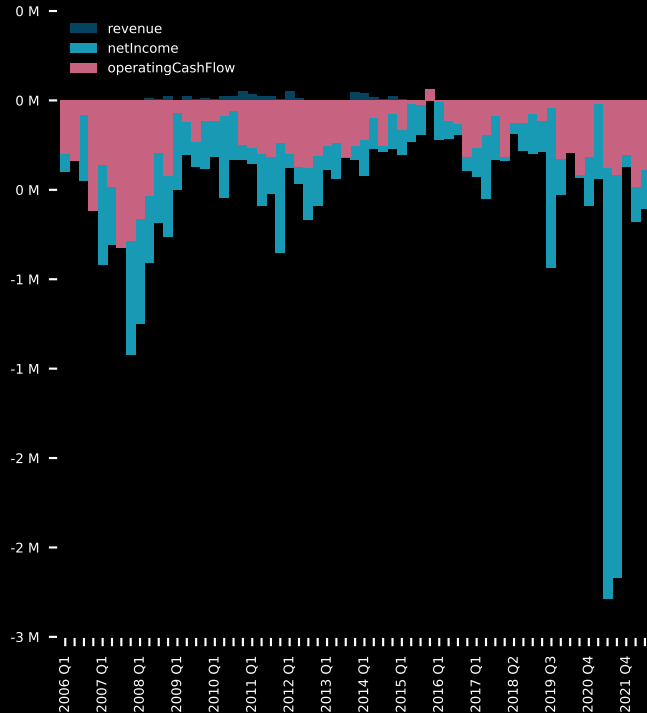


Owners Earnings, annually

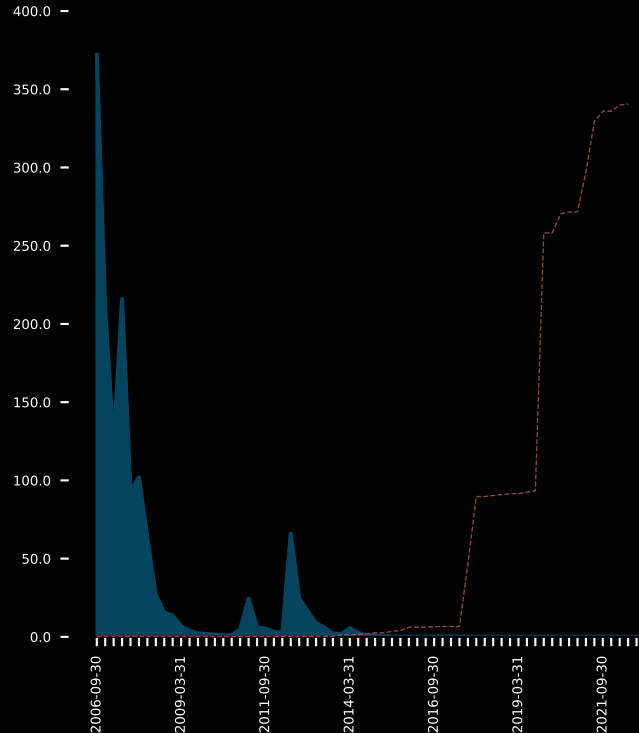


Video Display Corporation, together with its subsidiaries, designs, engineers, manufactures, markets, distributes, and installs display products and systems for government, military, aerospace, medical, and commercial organizations worldwide. The company operates in four divisions: Simulation, Training and Display Products; Cyber Secure Products; Data Display CRTs; and Other Computer Products. It offers dome and multi-faceted aircraft simulator display systems, video walls for broadcast and control centers, rugged video walls for combat information centers, rugged flat panel displays and computers, projector and monitor upgrades, and projection screens. The company also provides cyber security products, such as TEMPEST technology products and custom engineering solutions; and various contract services, including the design and testing solutions for defense and niche commercial uses. In addition, it manufactures and distributes cathode ray tubes (CRTs) for use in data display screens, such as computer terminal monitors, medical monitoring equipment, and various other data display applications, as well as in television

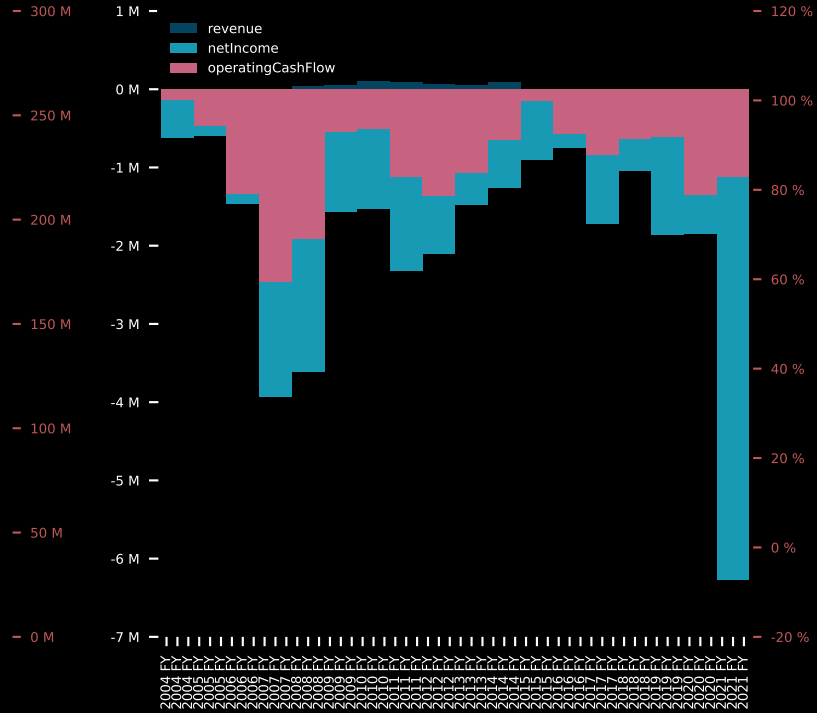
Sales, NI & Operating CF, quarterly



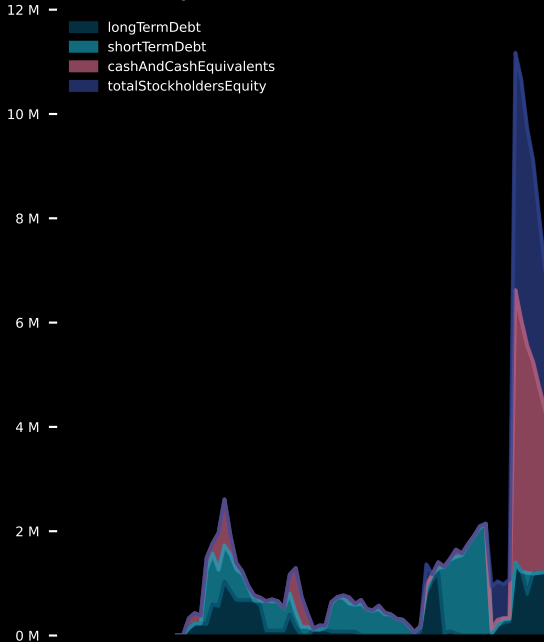
Price vs shares outstanding, quarterly



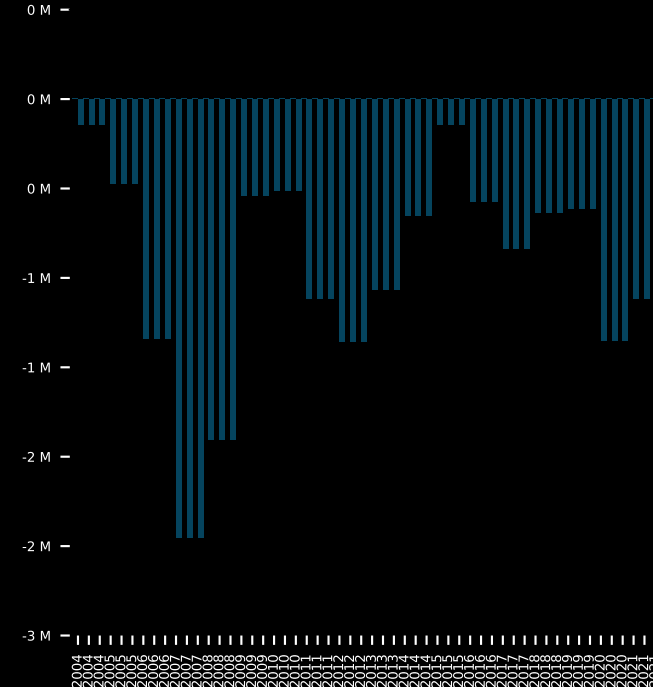
Sales, NI & Operating CF, annually



CRTG / Computer Hardware / US / 2022-08-23

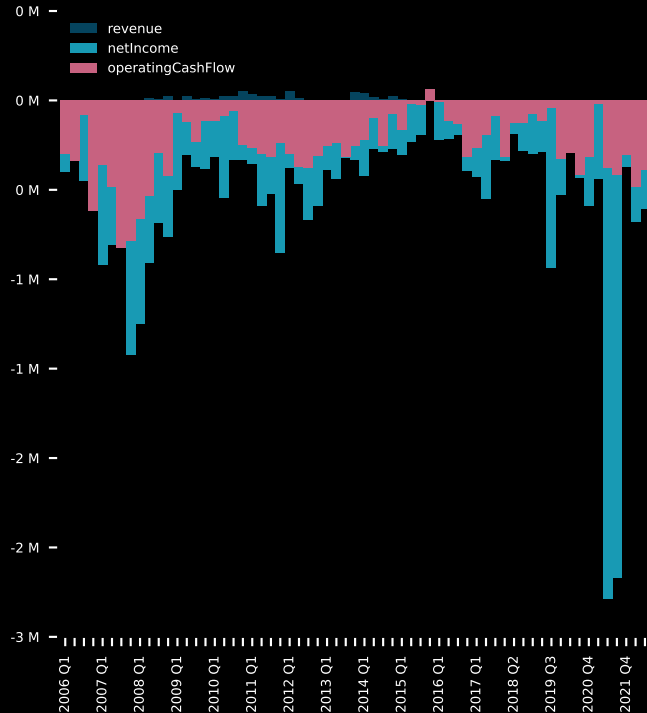


Owners Earnings, annually

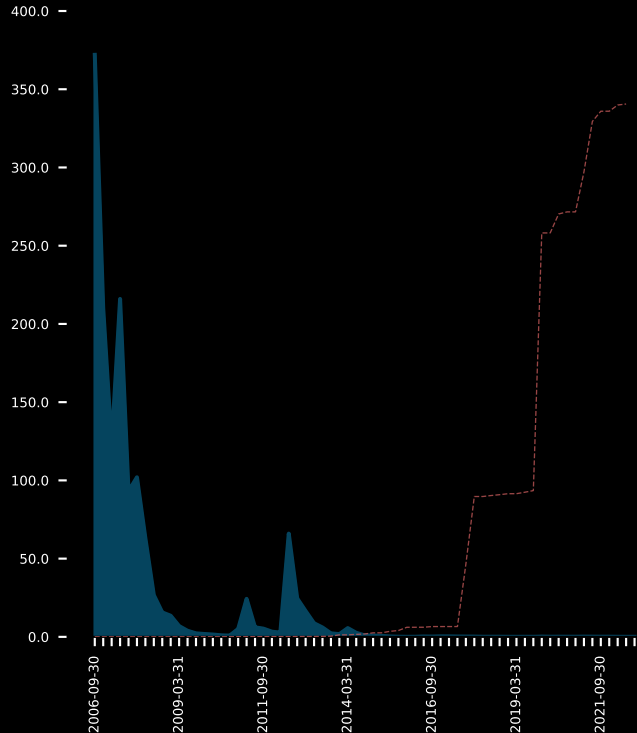


The Coretec Group Inc., together with its subsidiary Coretec Industries, LLC, develops, tests, and provides various technologies, products, and service solutions for energy-related industries in the United States and internationally. The company owns the rights to a patented volumetric 3D display technology. Its technologies and products are used in oil/gas, renewable energy, energy conservation, and distributed energy industries, as well as in anti-counterfeit packaging, medical device, electronic, photonic, display, and lighting market applications. The company was formerly known as 3DIcon Corporation and changed its name to The Coretec Group Inc. in June 2017. The Coretec Group Inc. was incorporated in 1995 and is headquartered in Ann Arbor, Michigan.

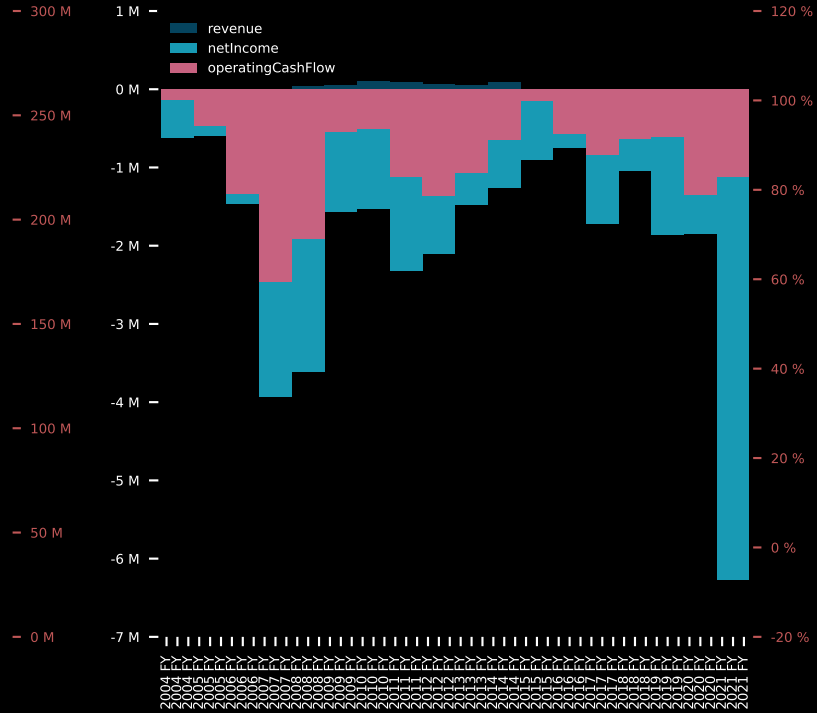
Sales, NI & Operating CF, quarterly



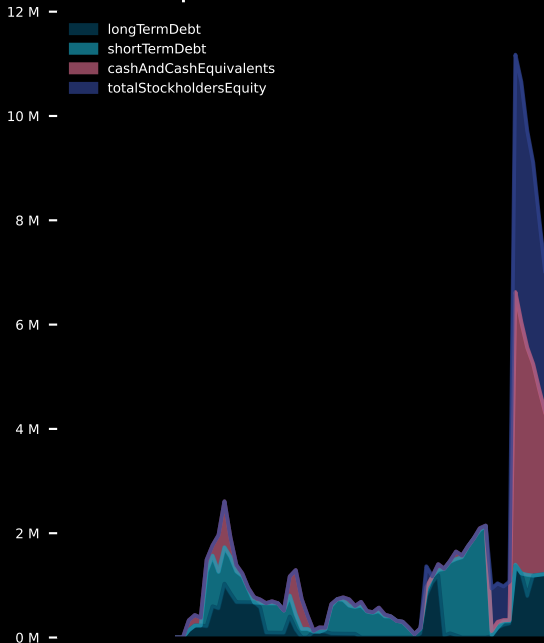
Price vs shares outstanding, quarterly



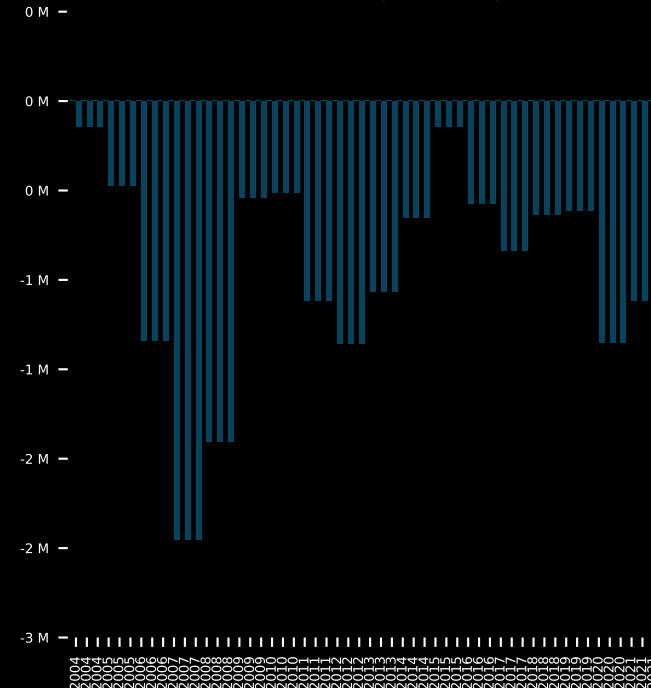
Sales, NI & Operating CF, annually



CRTG / Computer Hardware / US / 2022-08-23

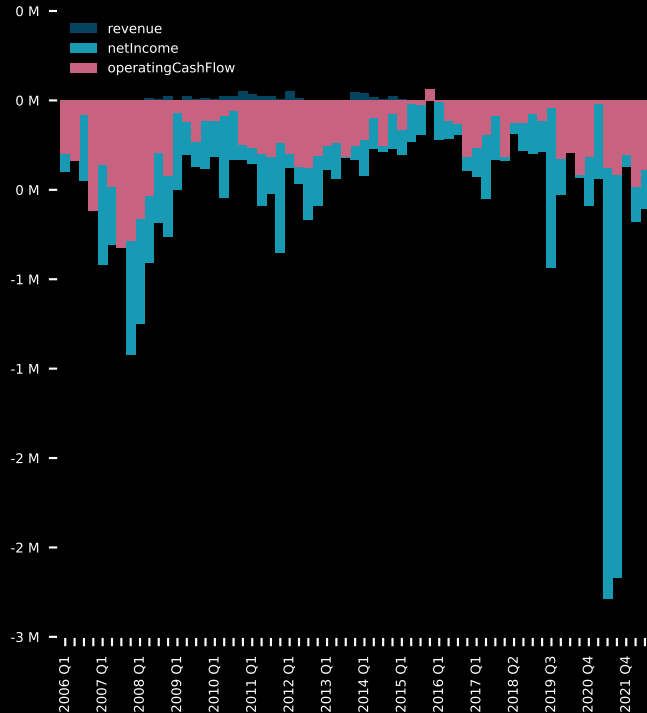


Owners Earnings, annually

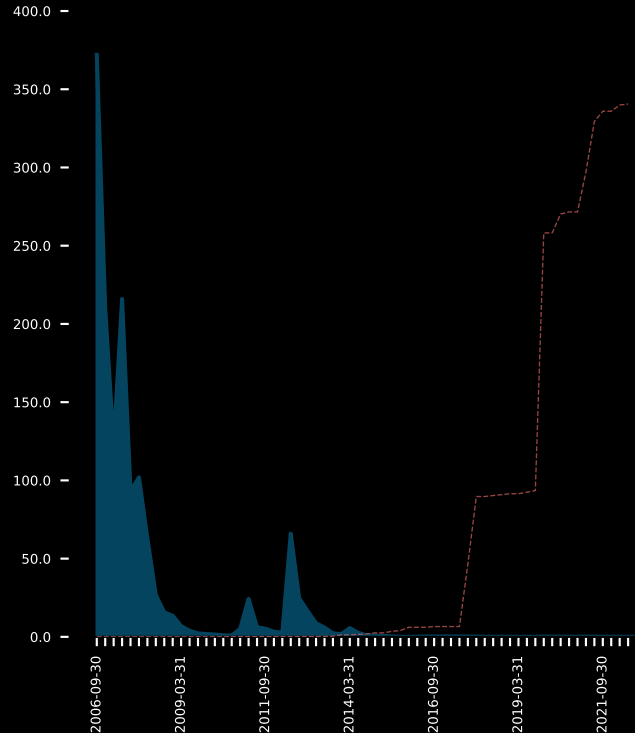


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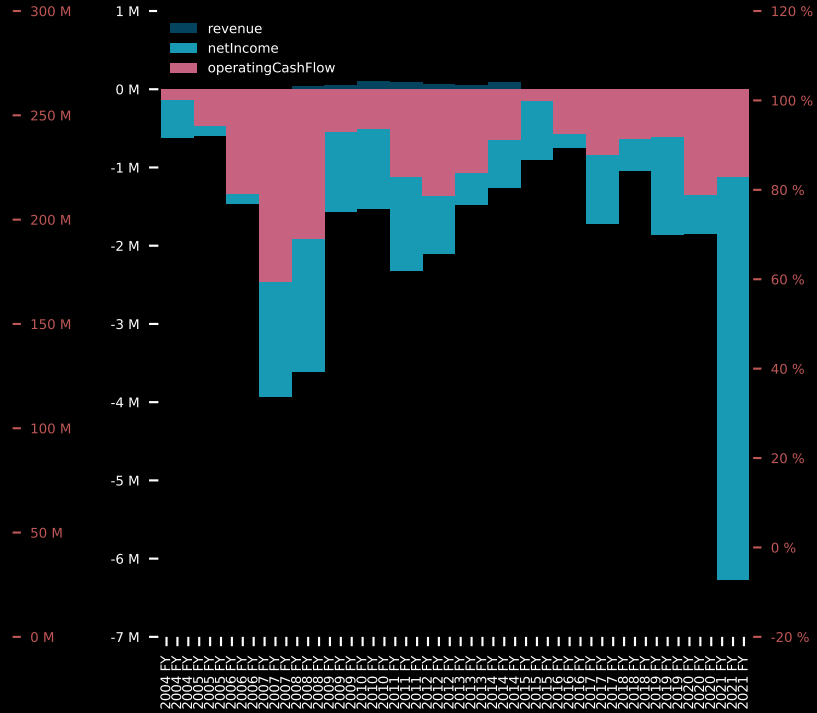
Sales, NI & Operating CF, quarterly



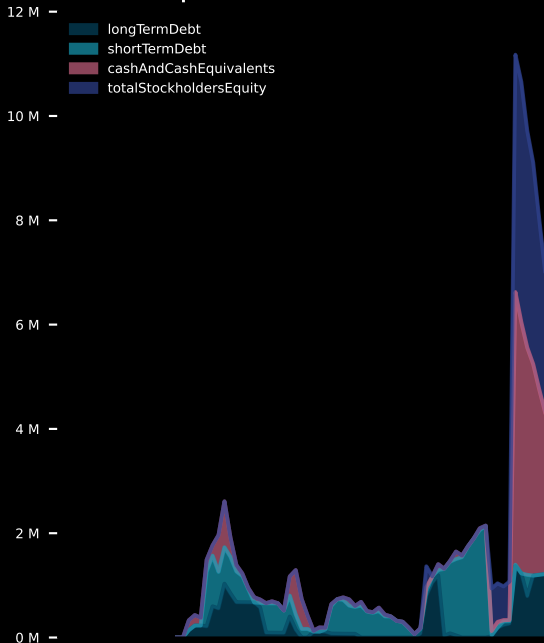
Price vs shares outstanding, quarterly



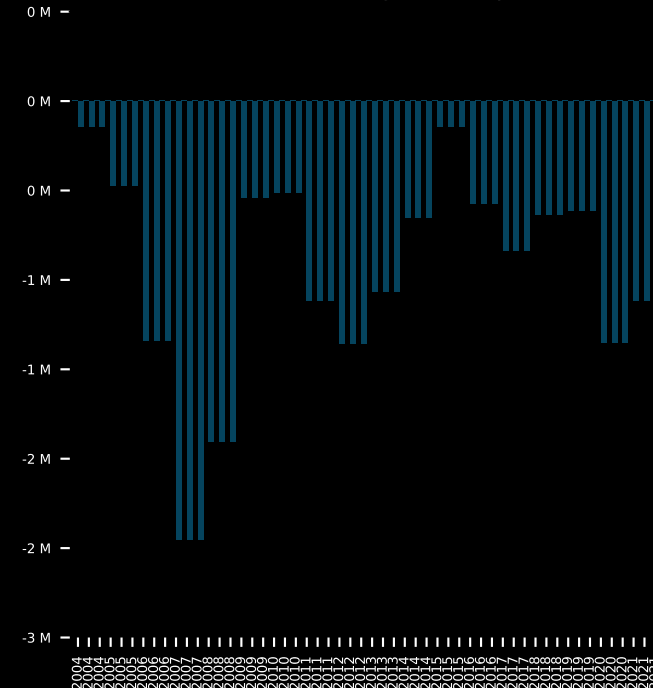
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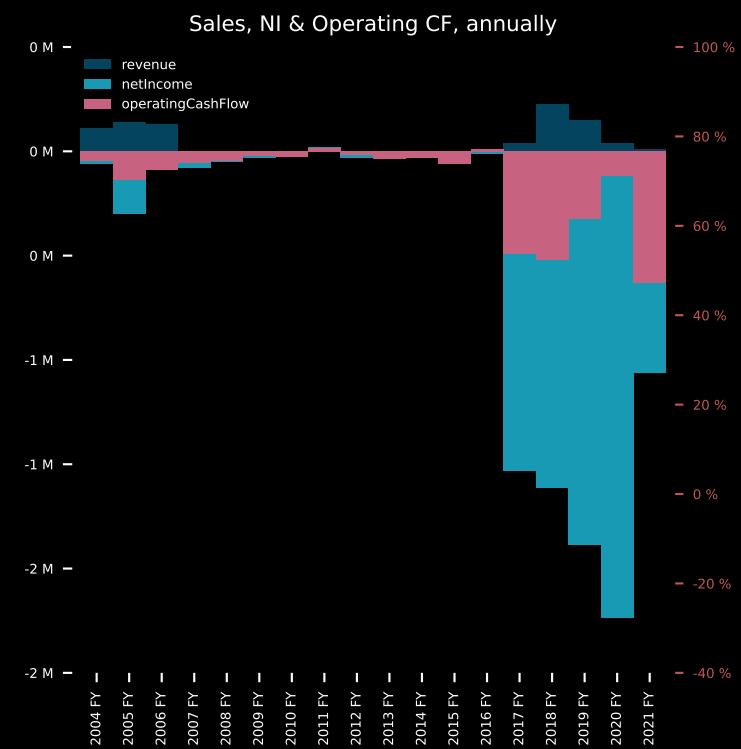
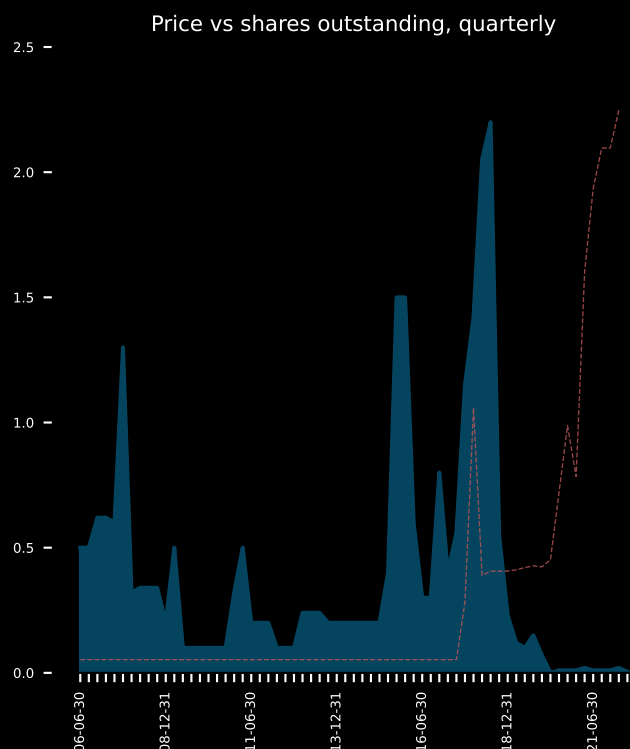
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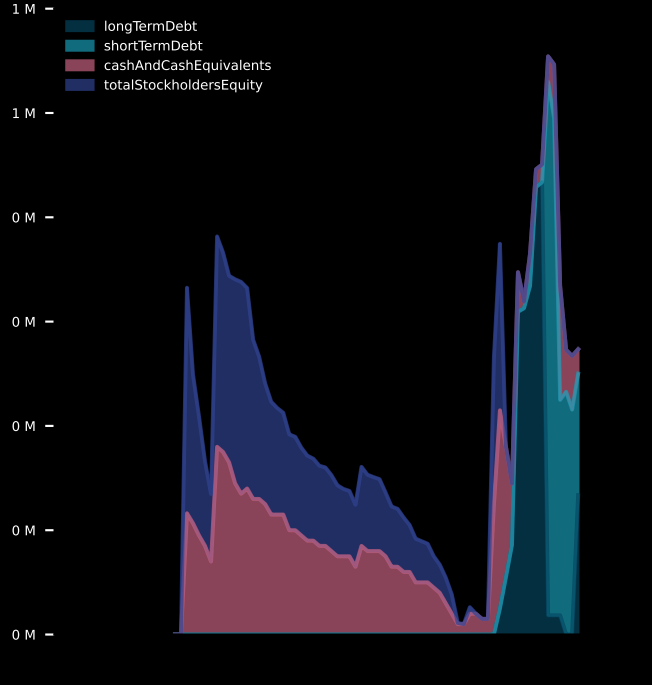
Owners Earnings, annually



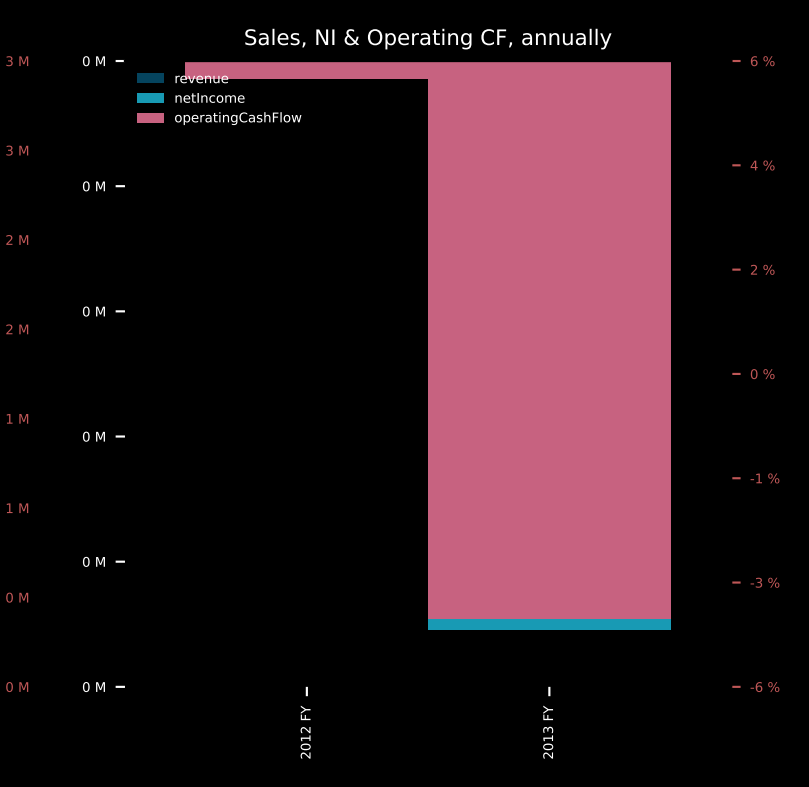
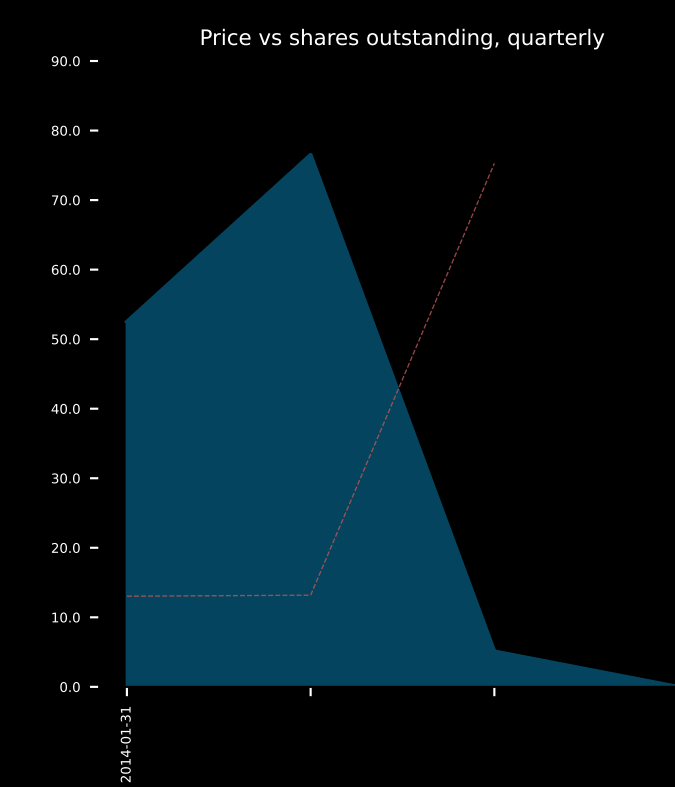
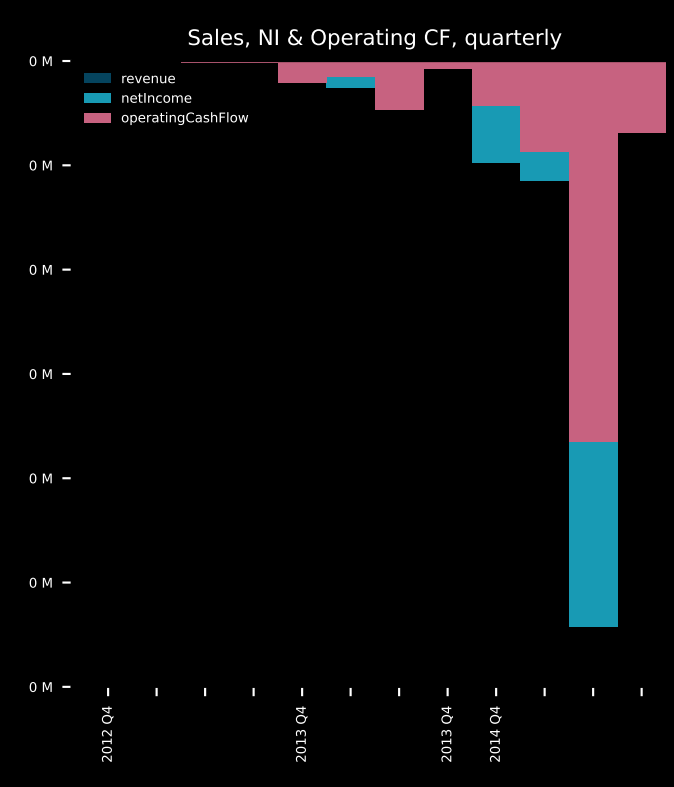
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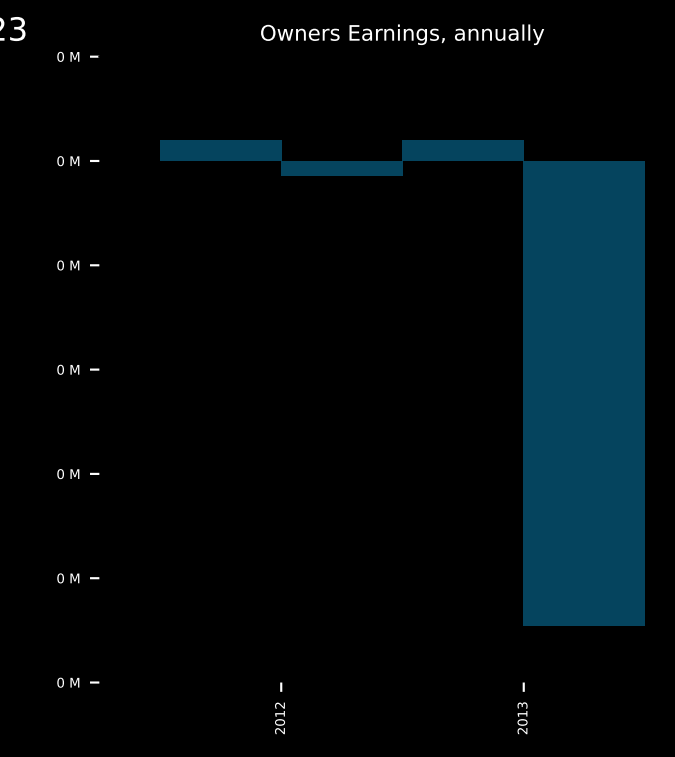
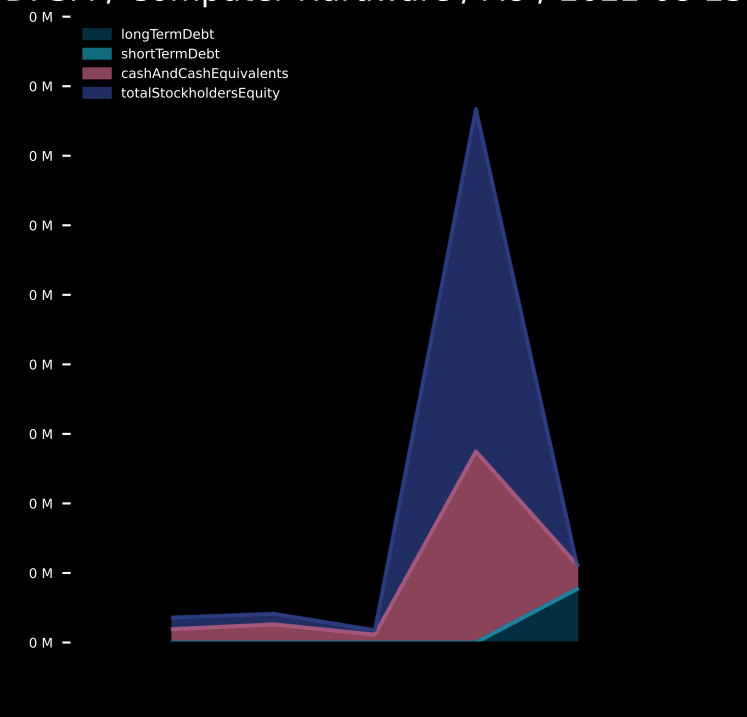
ITOX / Computer Hardware / US / 2022-08-23



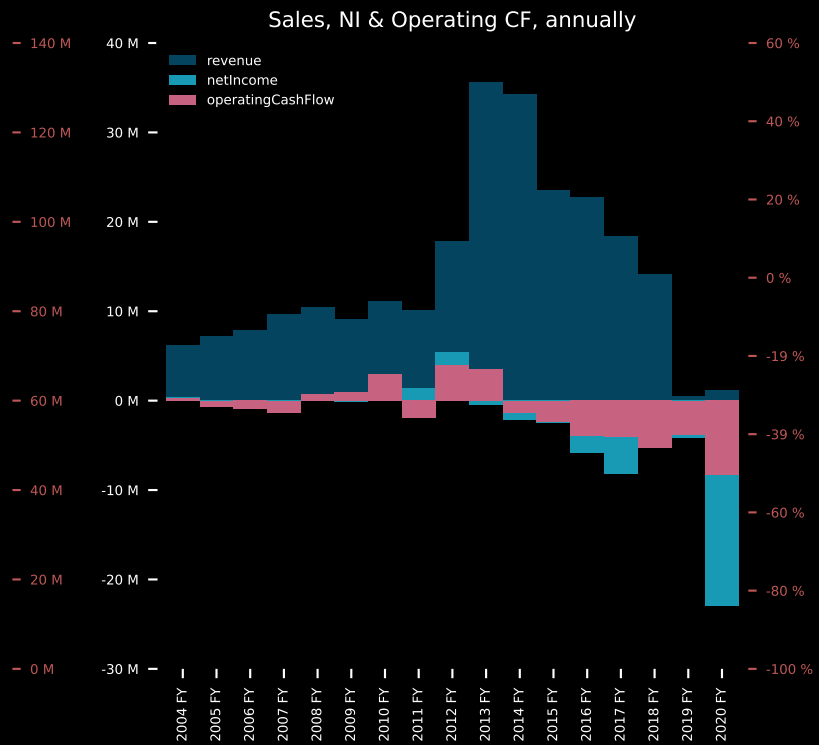
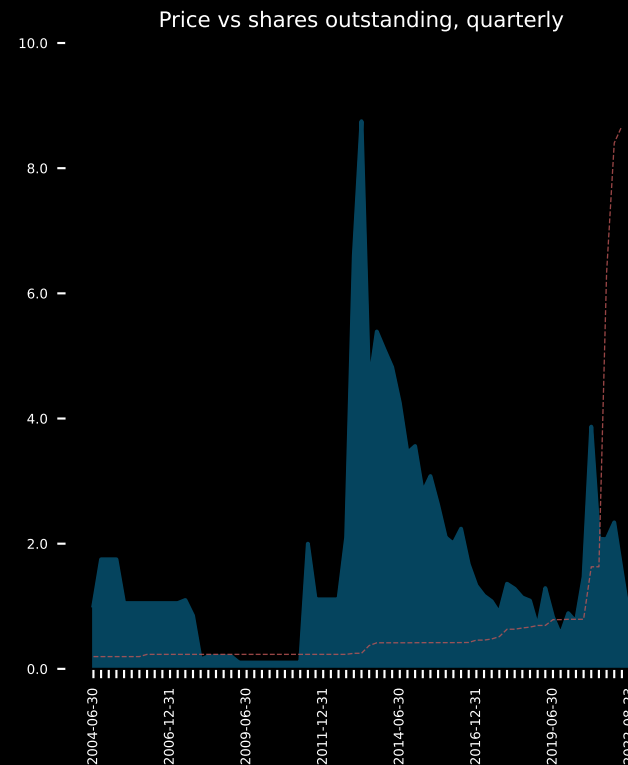
IIOT-OXYS, Inc. identifies, develops, and markets engineered products, software, and services for industrial Internet applications. The company develops hardware, software, and algorithms that monitor, measure, and predict conditions for energy, agricultural, structural, and medical applications. IIOT-OXYS, Inc. is based in Cambridge, Massachusetts.



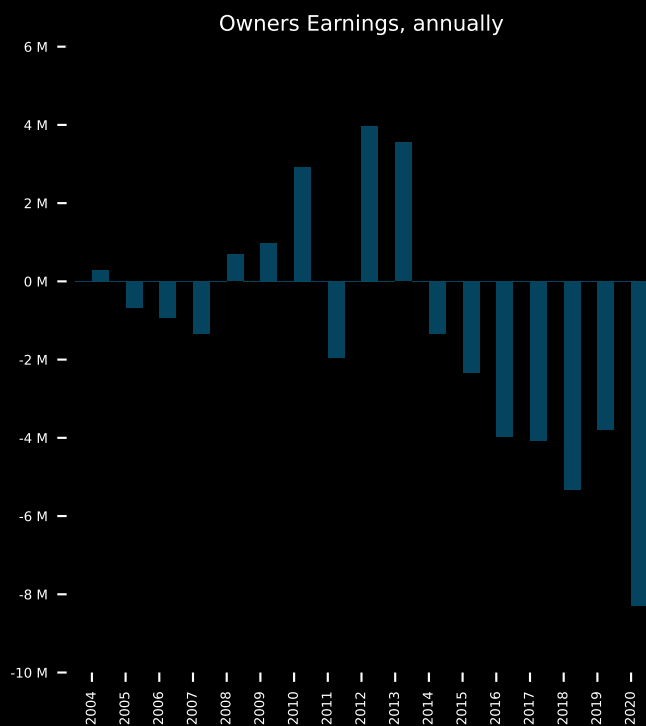
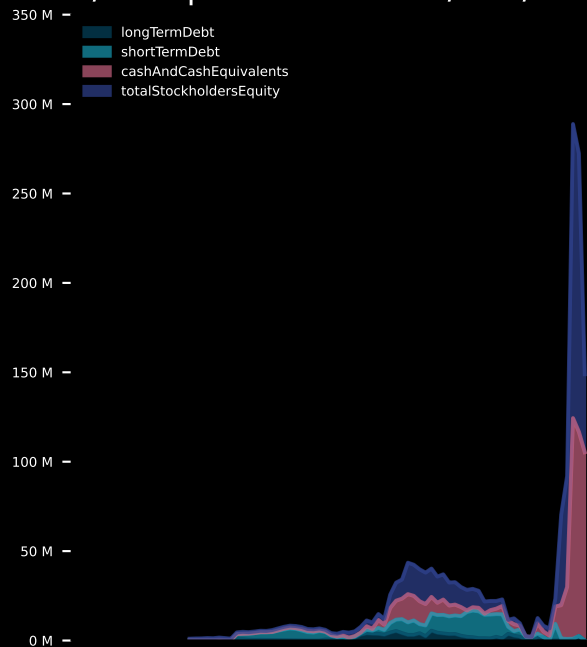
DPSM / Computer Hardware / AU / 2022-08-23



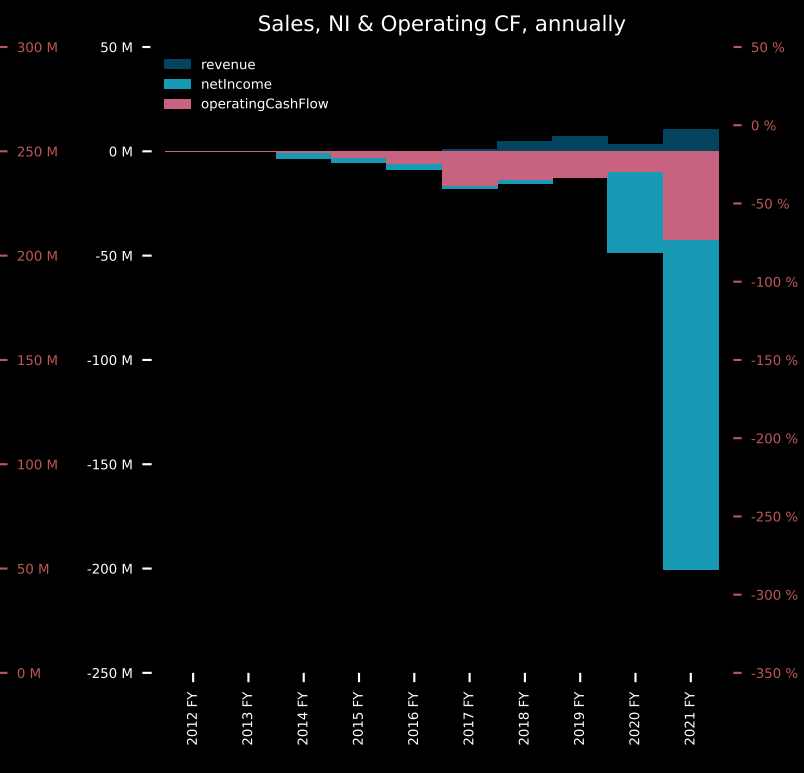
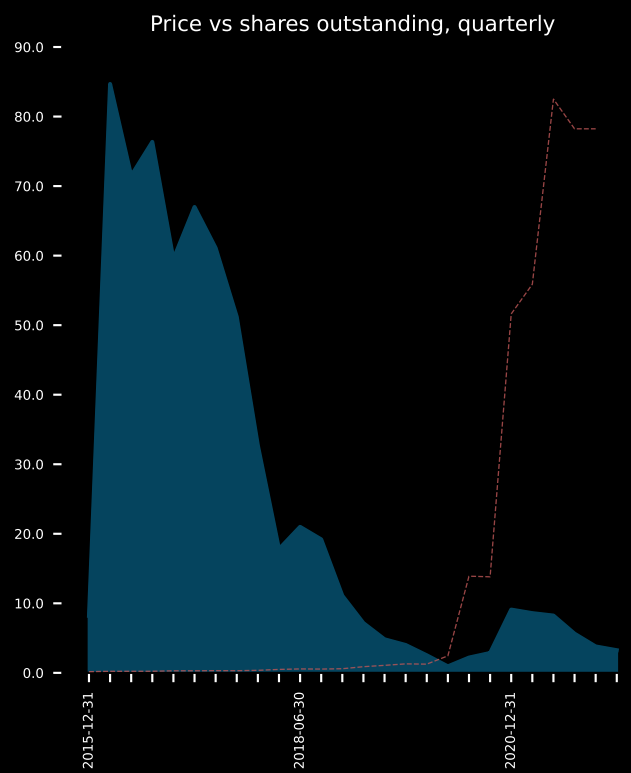
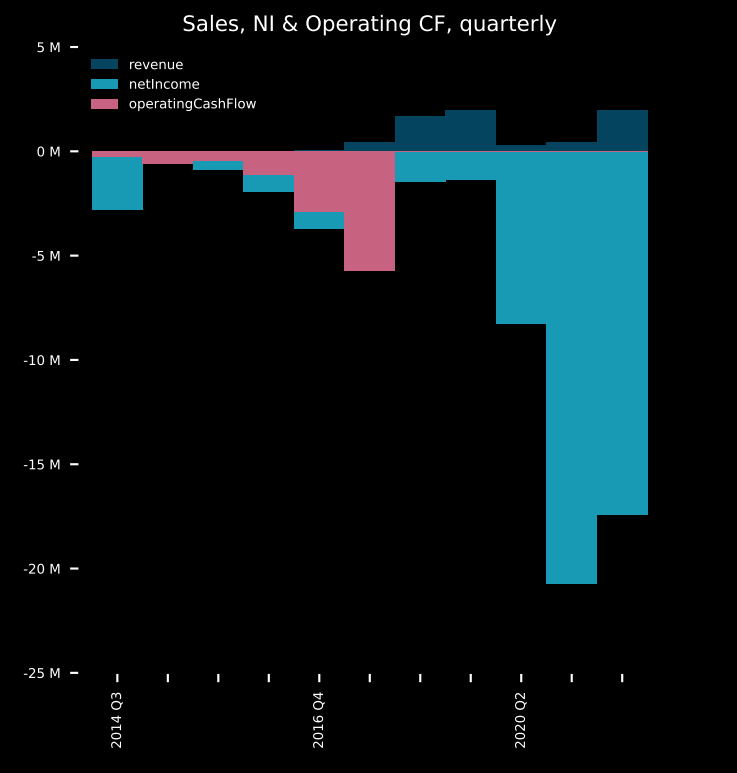
3D Pioneer Systems Inc. does not have significant business. It intends to merge with another entity with experienced management and opportunities for growth in return for shares of our common stock. The company was incorporated in 2008 and is based in Melbourne, Victoria.



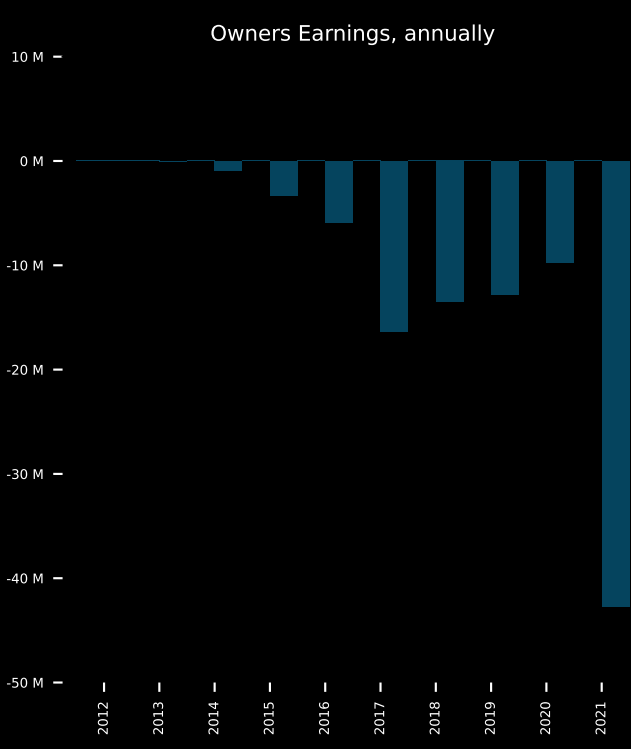
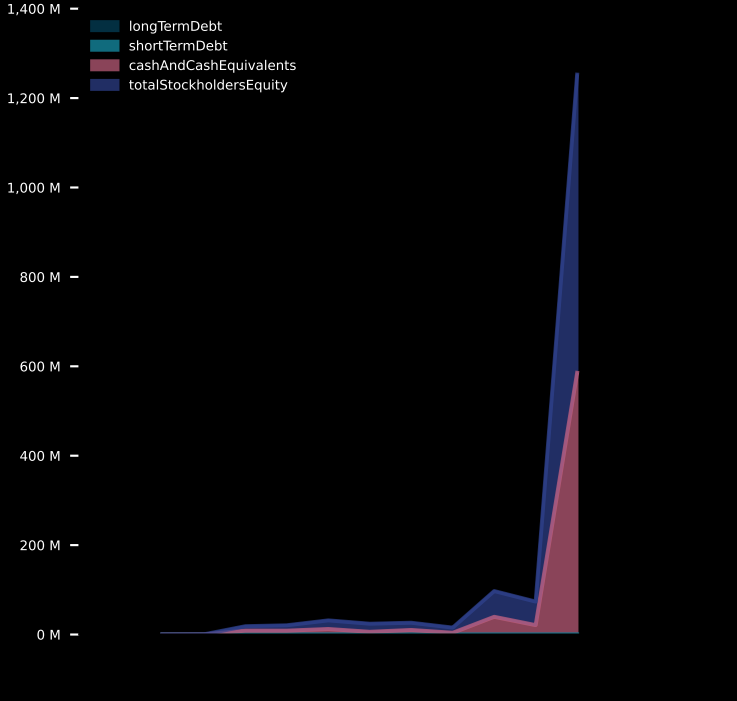
MICT / Computer Hardware / US / 2022-08-23



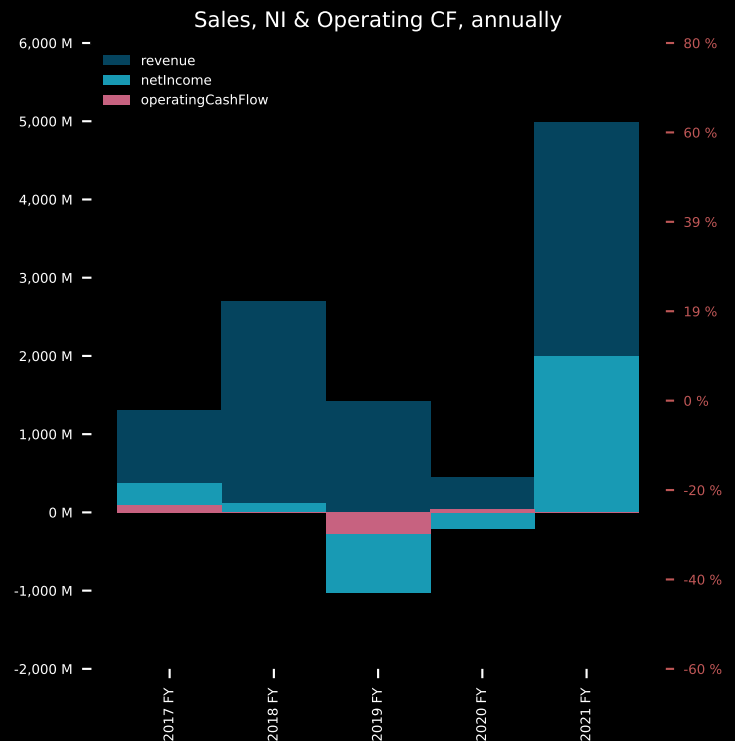
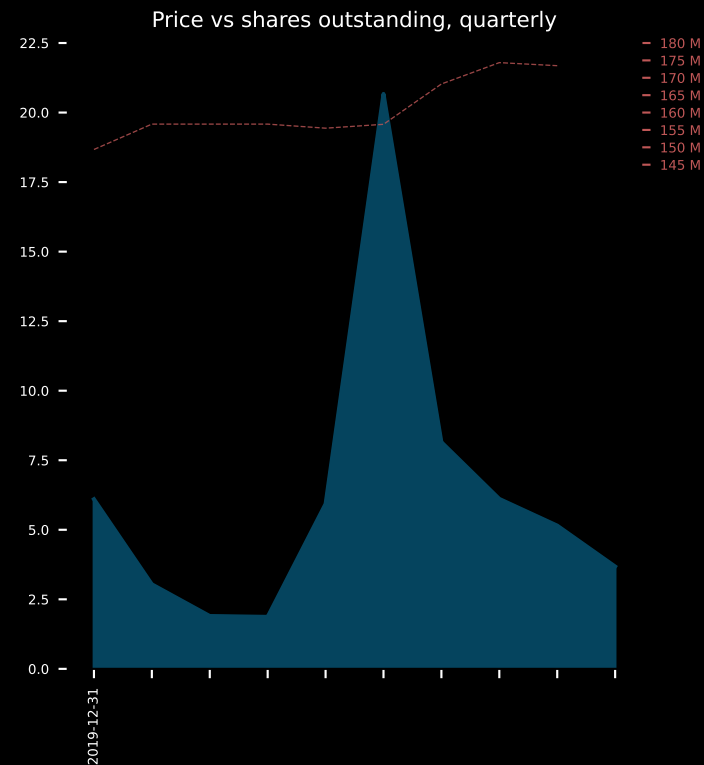
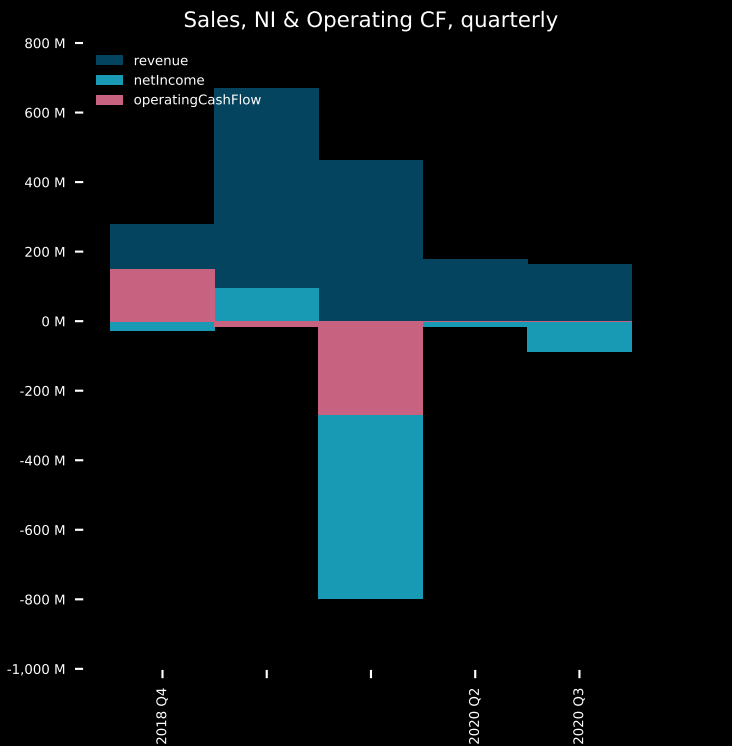
MICT, Inc., through its subsidiaries, designs, develops, manufactures, and sells mobile computing devices and software for fleet operators and field workforces. It also engages in the provision of online brokerage services for equities trading and the sale of insurance products through a proprietary trading technology platform. In addition, the company offers online investment and wealth management services, as well as trades in commodities. It serves in the United States, Israel, Europe, China, and internationally. The company was formerly known as Micronet Enertec Technologies, Inc. and changed its name to MICT, Inc. in July 2018. MICT, Inc. was founded in 2002 and is headquartered in Montvale, New Jersey.



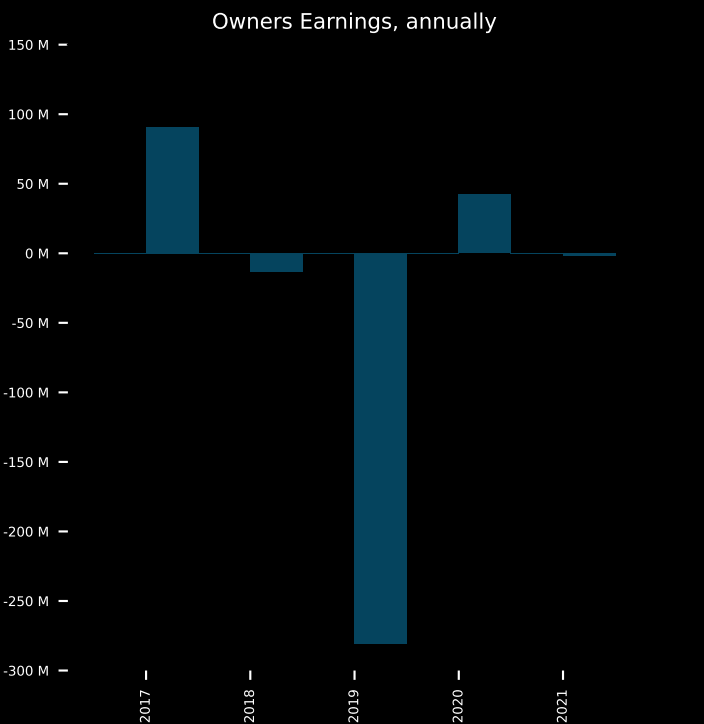
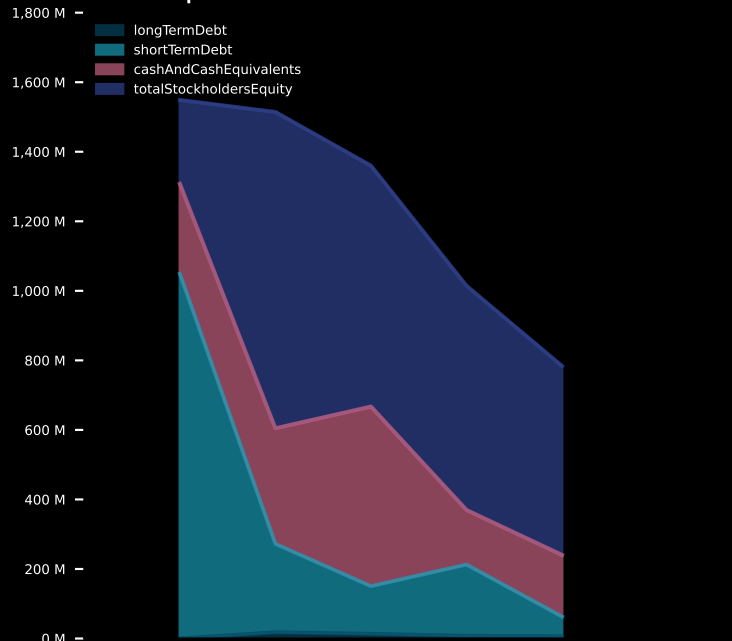
NNDM / Computer Hardware / IL / 2022-08-23



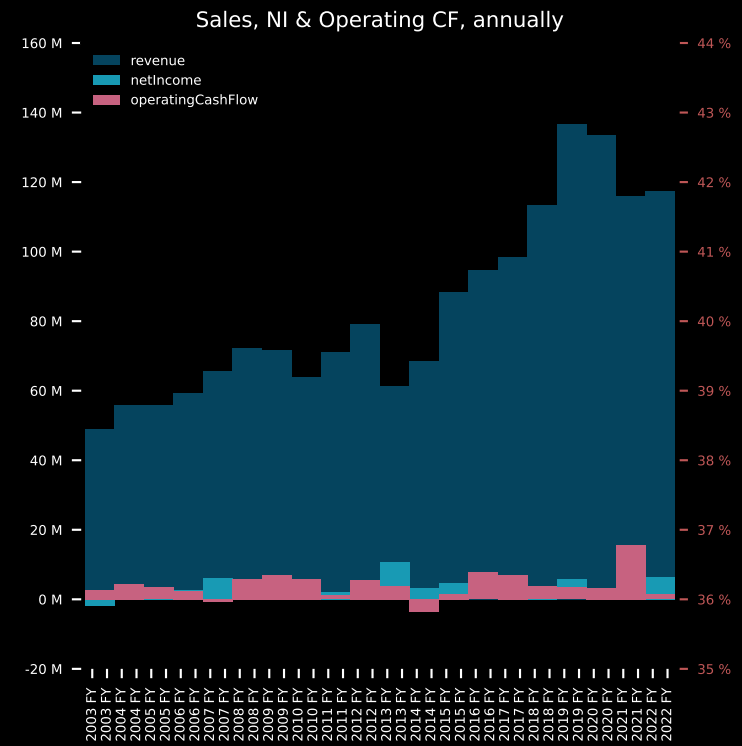
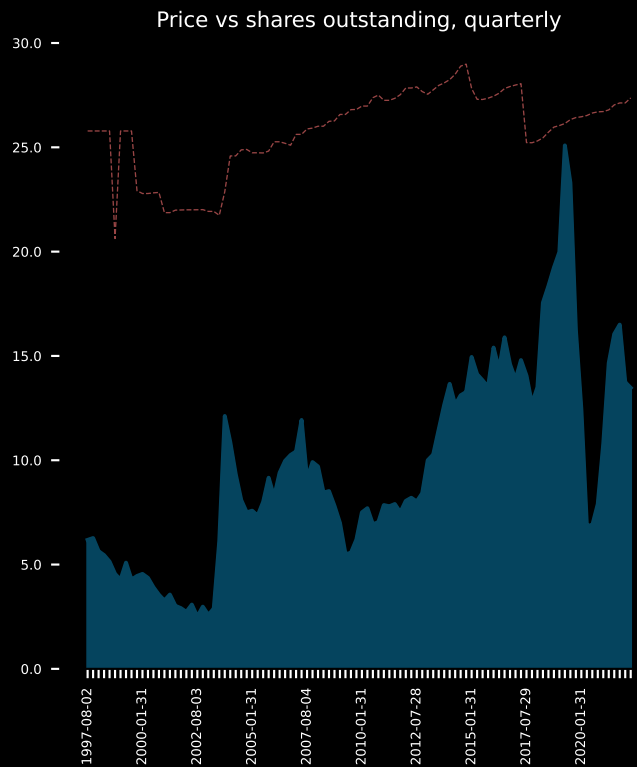
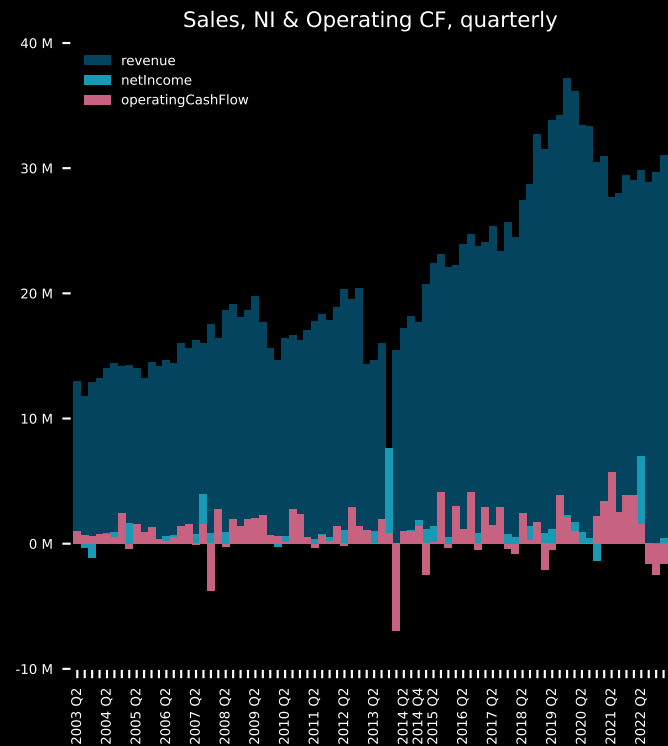
Nano Dimension Ltd., together with its subsidiaries, provides additive electronics in Israel and internationally. The company's flagship product is DragonFly IV system that serves cross-industry High-Performance-Electronic-Devices' fabrication needs by depositing proprietary conductive and dielectric substances, as well as integrates in-situ capacitors, antennas, coils, transformers, and electromechanical components. It also provides nanotechnology based conductive and dielectric inks; and FLIGHT software platform that enables the 3D design of electrical and mechanical features. The company markets and sells products and services to companies that develop products with electronic components, including companies in the defense, automotive, consumer electronics, semiconductor, aerospace, and medical industries, as well as research institutes. Nano Dimension Ltd. was founded in 2012 and is headquartered in Ness Ziona, Israel.



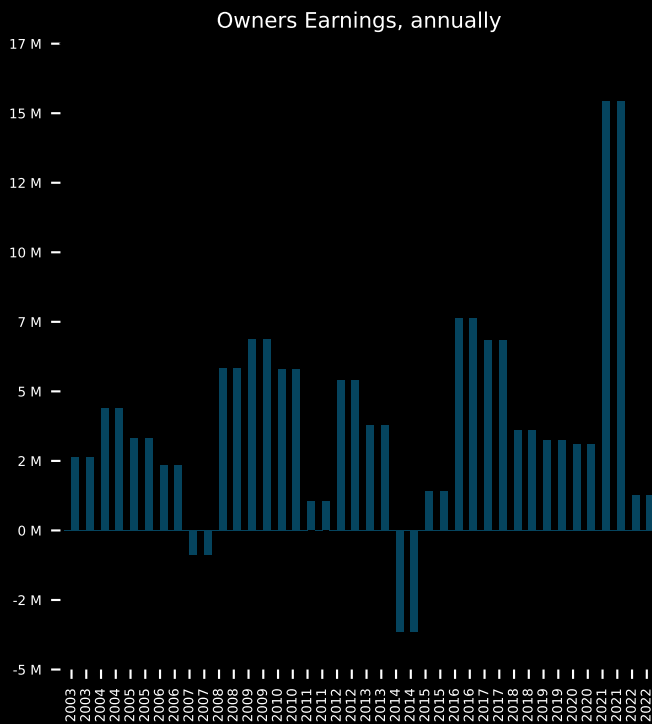
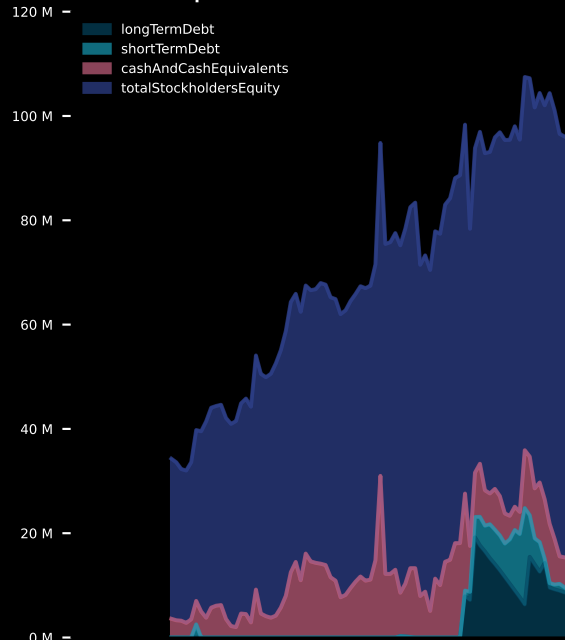
CAN / Computer Hardware / CN / 2022-08-23



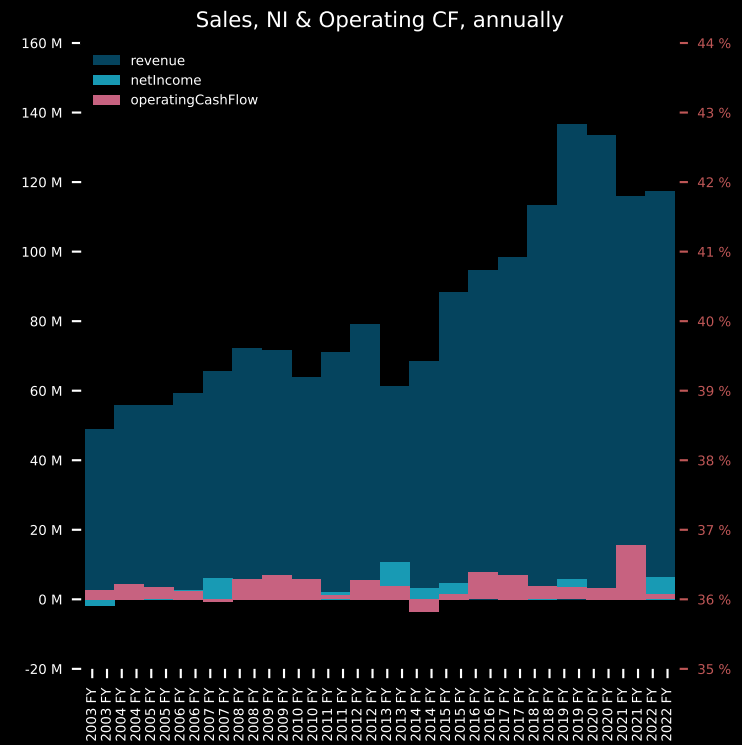
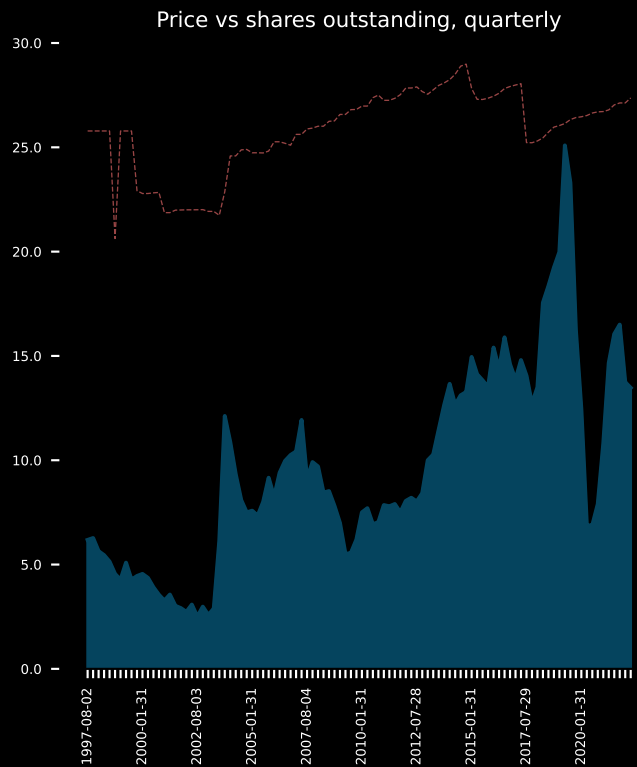
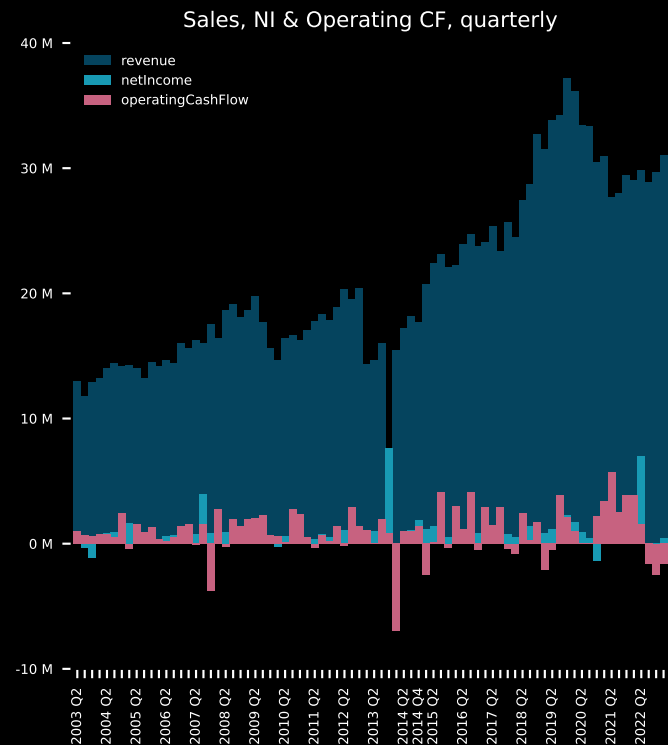
Canaan Inc. engages in the research, design, and sale of integrated circuit (IC) final system products by integrating IC products for bitcoin mining and related components primarily in the People's Republic of China. It is also involved in the assembly of system products; and supply chain and distribution of system products. The company has a strategic cooperation with Northern Data AG in the areas of artificial intelligence development, blockchain technology, and datacenter operations. The company was founded in 2013 and is based in Hangzhou, the People's Republic of China.



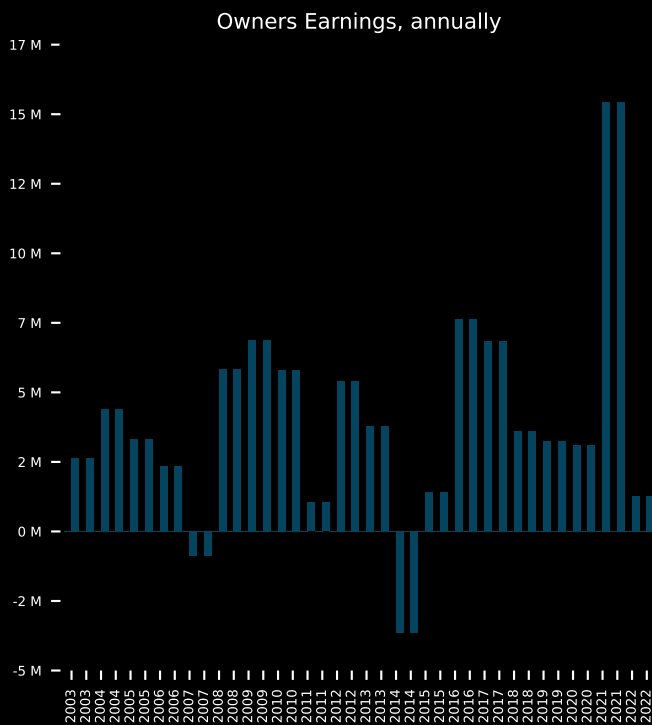
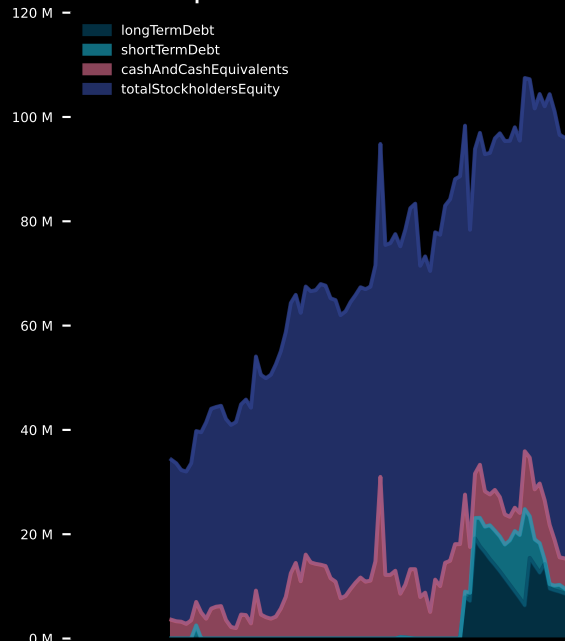
ALOT / Computer Hardware / US / 2022-08-23



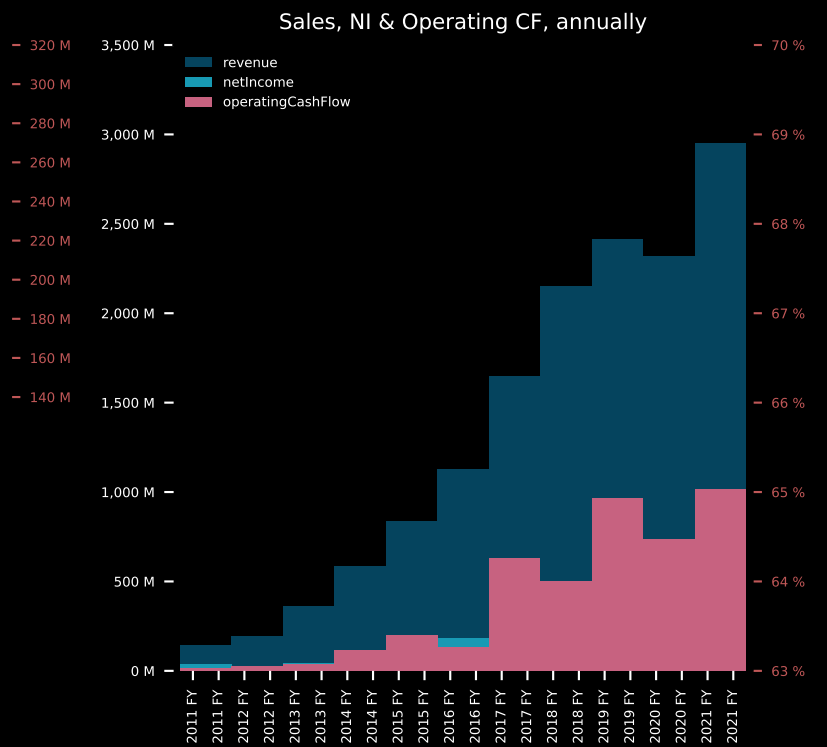
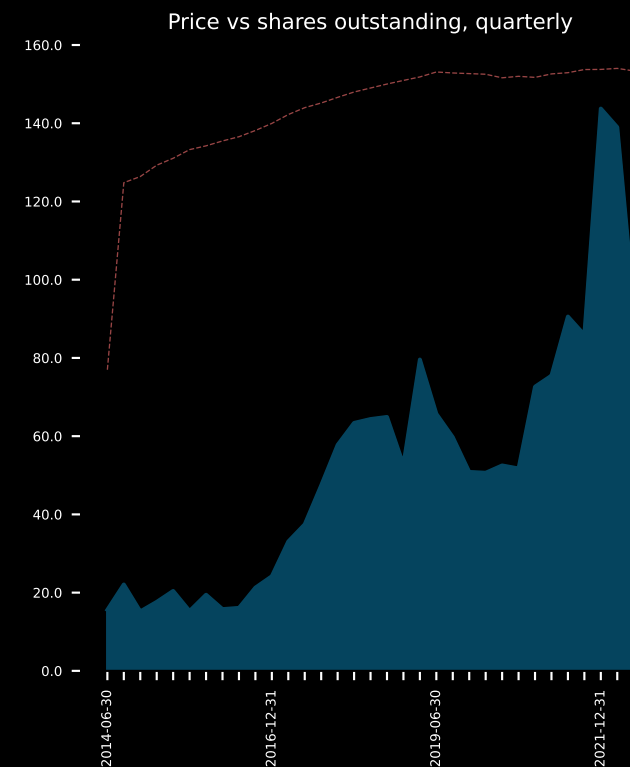
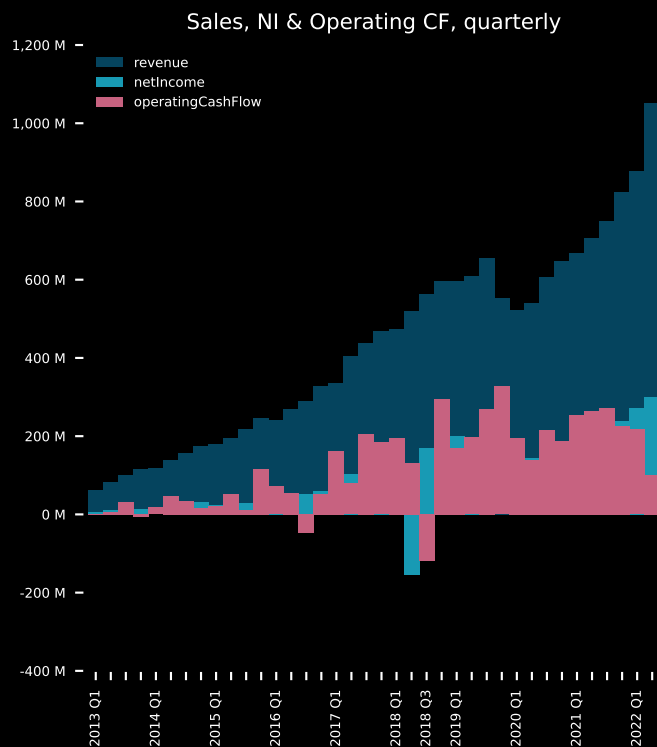
AstroNova, Inc. designs, develops, manufactures, and distributes specialty printers, and data acquisition and analysis systems in the United States, Europe, Asia, Canada, Central and South America, and internationally. The company operates in two segments, Product Identification (PI) and Test & Measurement (T&M). The PI segment offers tabletop and production-ready digital color label printers, and OEM printing systems under the QuickLabel brand; digital color label mini-presses and inline printing systems under the TrojanLabel brand; and label materials, tags, inks, toners, and thermal transfer ribbons under the GetLabels brand. This segment also develops and licenses various specialized software programs to design and manage labels and print images; and provides training and support. This segment serves chemicals, cosmetics, food and beverage, medical products, pharmaceuticals, and other industries; and brand owners, label converters, commercial printers, and packaging manufacturers. The T&M segment offers airborne printing solutions, such as ToughWriter used to print hard copies of navigation maps, arrival and departure charts, and flight information, and



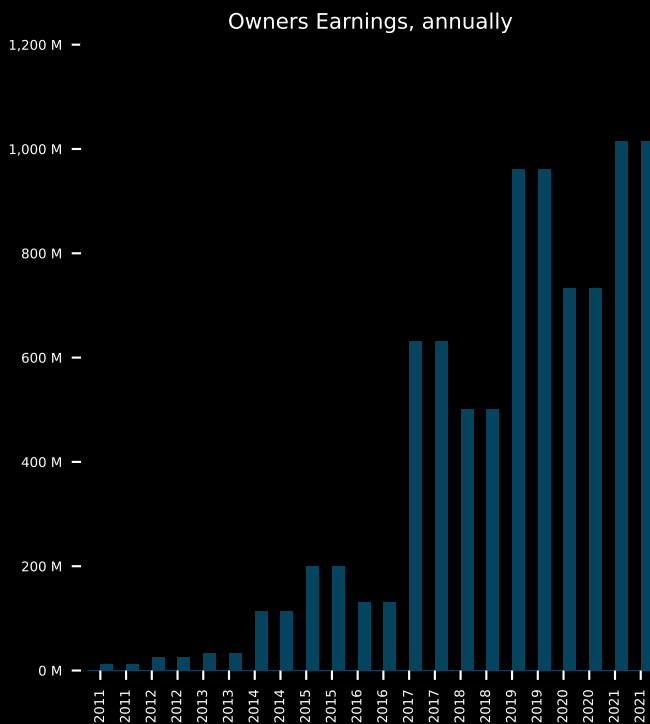
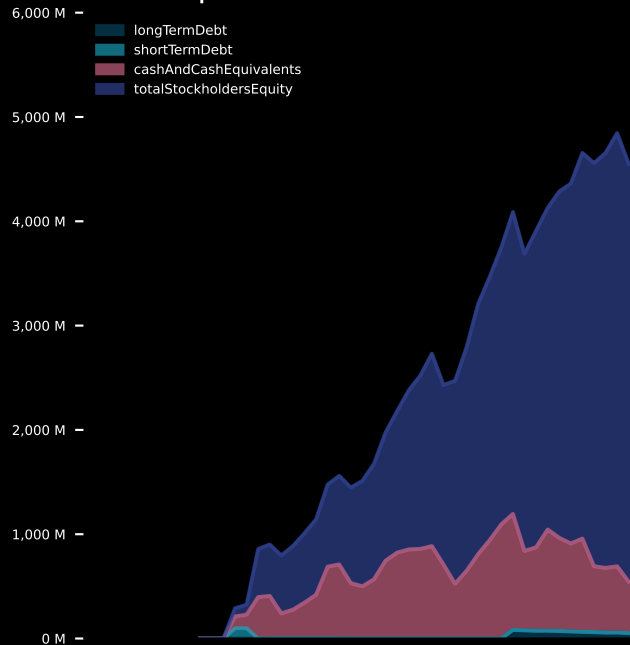
ALOT / Computer Hardware / US / 2022-08-23



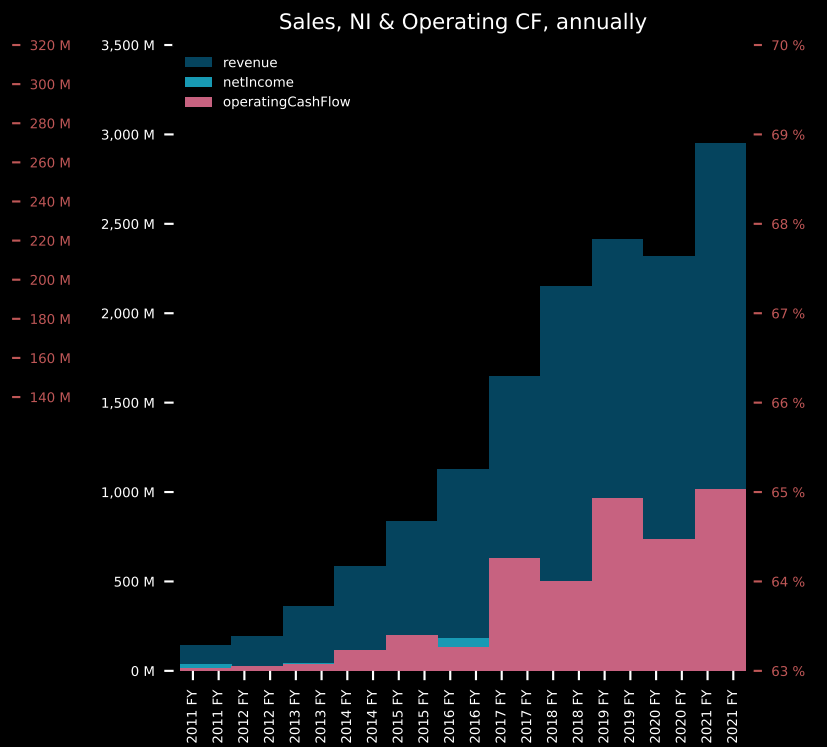
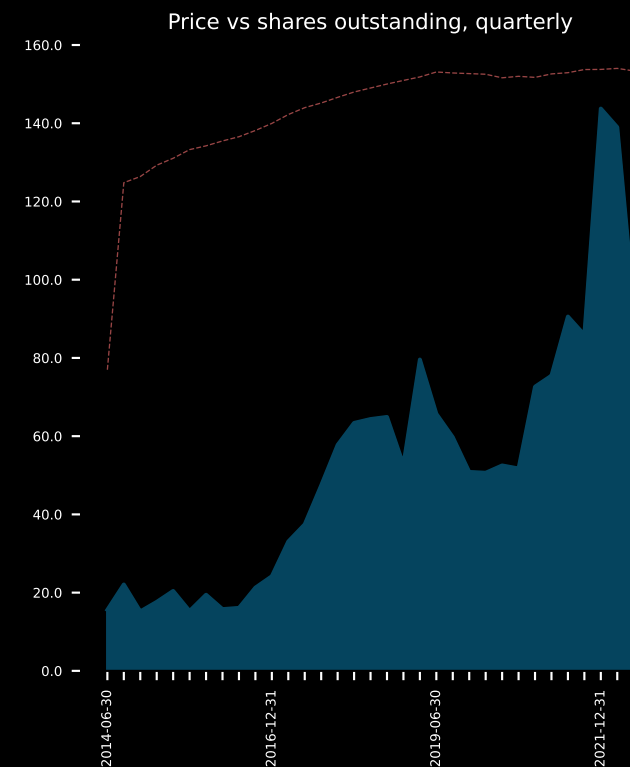
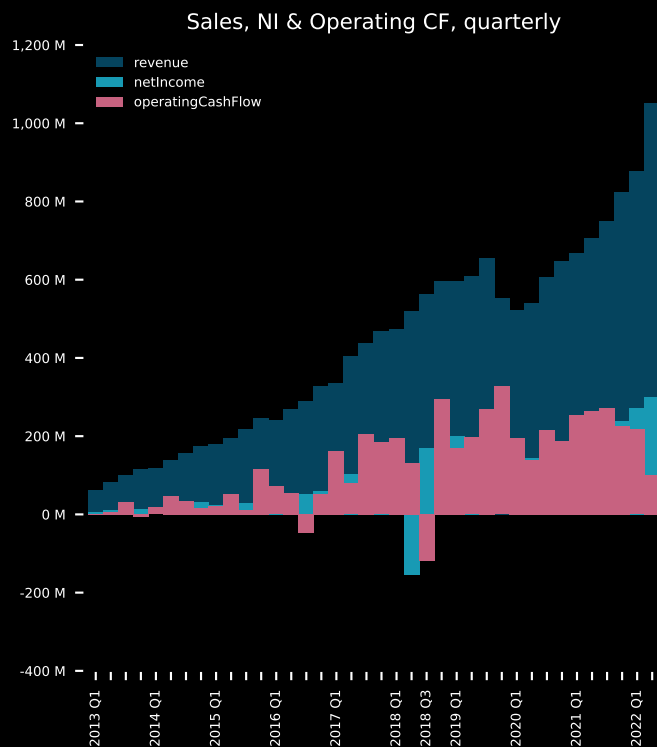
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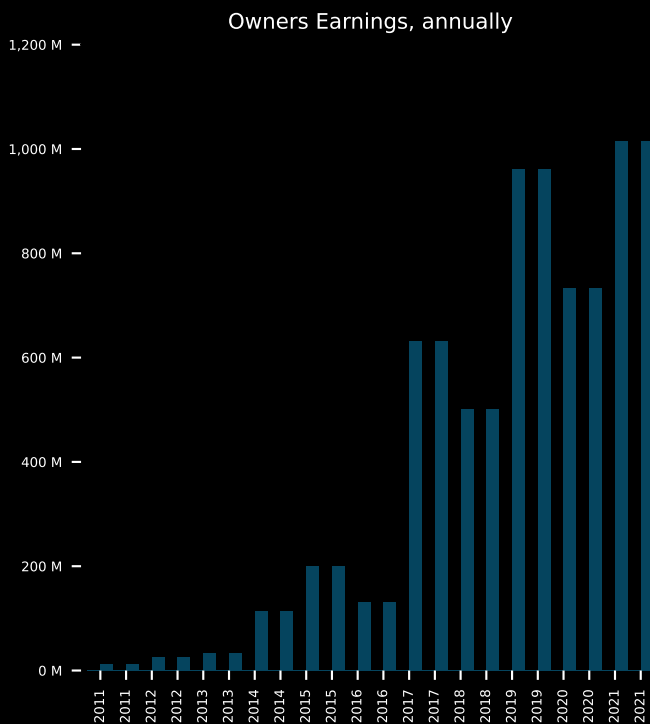
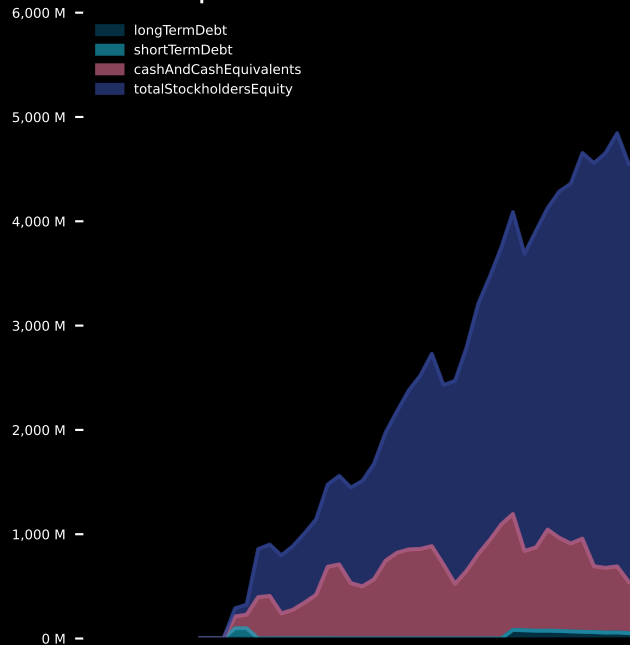
ANET / Computer Hardware / US / 2022-08-23



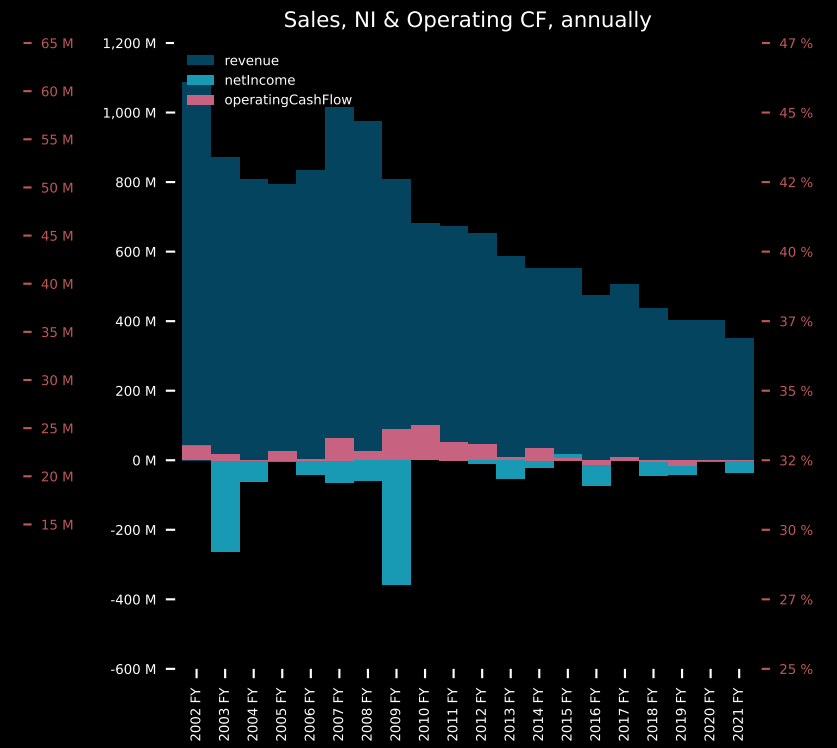
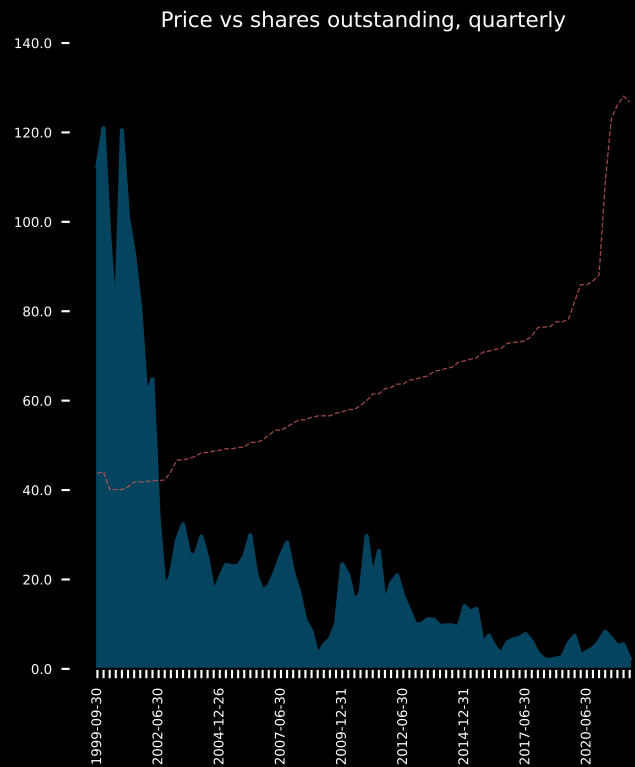
Arista Networks, Inc. develops, markets, and sells cloud networking solutions in the Americas, Europe, the Middle East, Africa, and the Asia-Pacific. The company's cloud networking solutions consist of extensible operating systems, a set of network applications, as well as gigabit Ethernet switching and routing platforms. It also provides post contract customer support services, such as technical support, hardware repair and parts replacement beyond standard warranty, bug fix, patch, and upgrade services. The company serves a range of industries comprising internet companies, service providers, financial services organizations, government agencies, media and entertainment companies, and others. It markets and sells its products through distributors, system integrators, value-added resellers, and original equipment manufacturer partners, as well as through its direct sales force. The company was formerly known as Arastra, Inc. and changed its name to Arista Networks, Inc. in October 2008. Arista Networks, Inc. was incorporated in 2004 and is headquartered in Santa Clara, California.



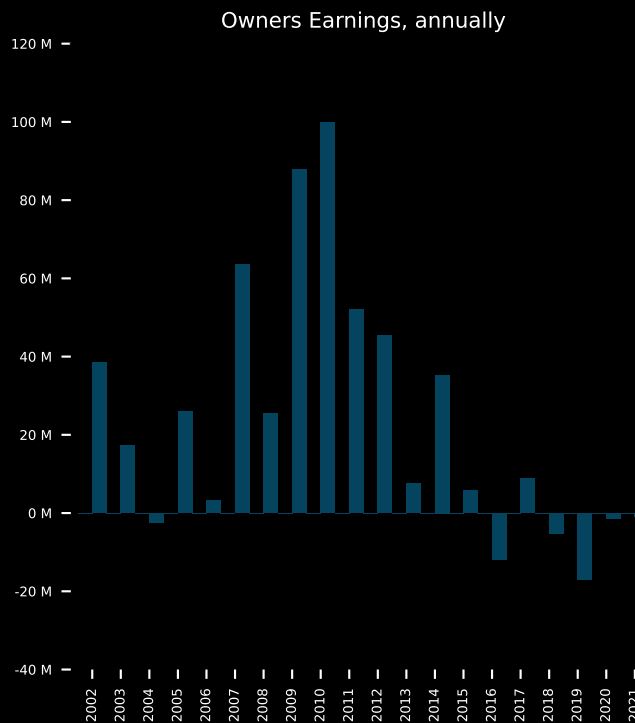
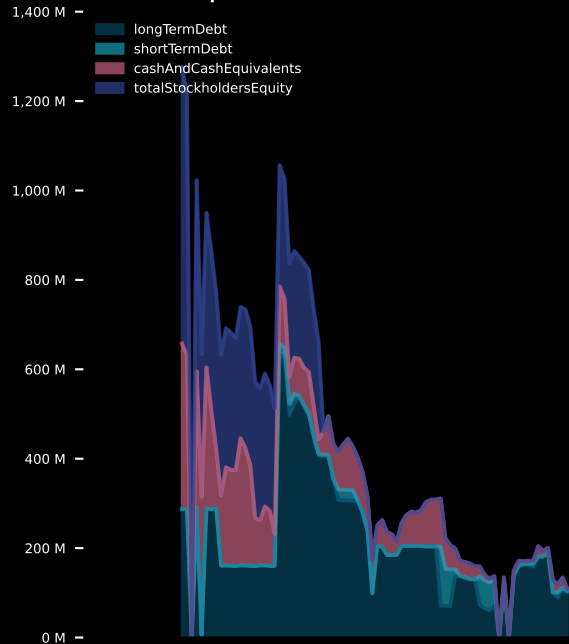
ANET / Computer Hardware / US / 2022-08-23



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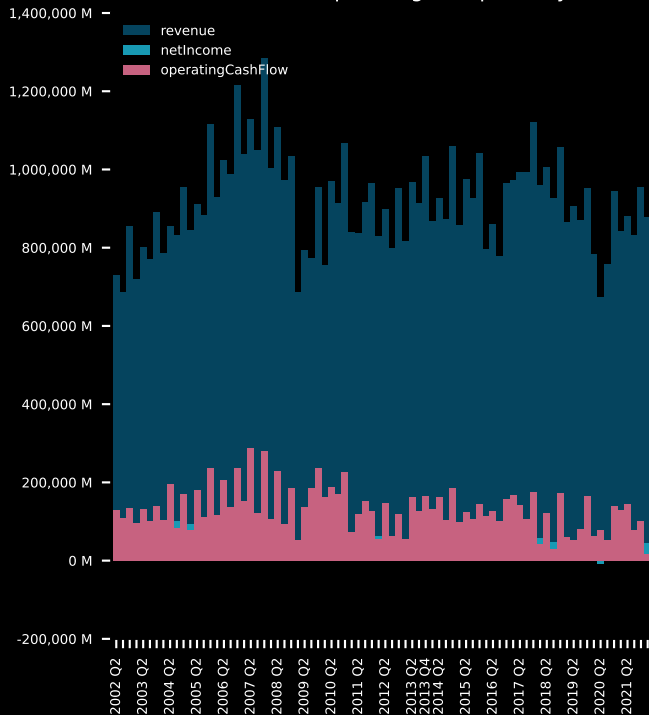


QMCO / Computer Hardware / US / 2022-08-23

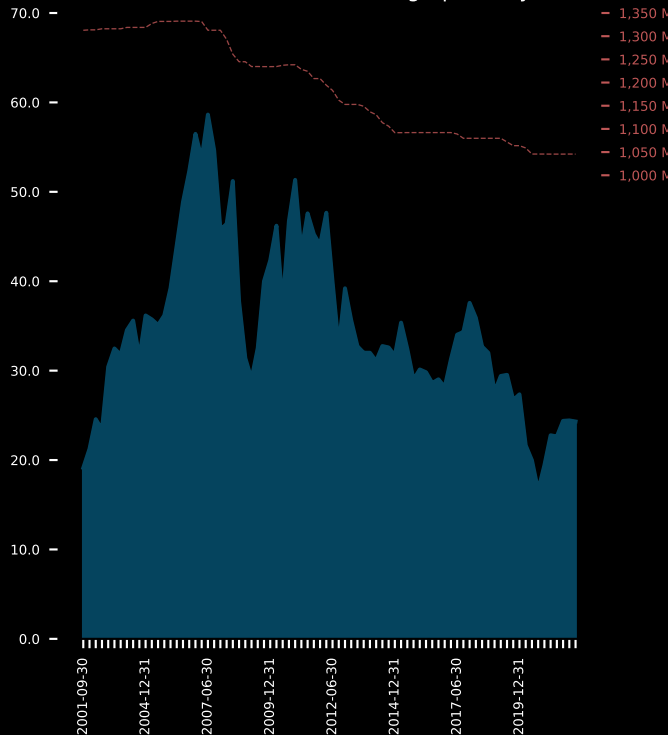


Quantum Corporation provides products for storing and managing digital video and unstructured data in the Americas, Europe, the Middle East, Africa, and the Asia Pacific. The company offers StorNext software systems that enable high-speed ingest, editing, processing, and management of digital video and image datasets; and Scalar tape systems that provide long-term data storage facility to archive and preserve digital content for decades. It also provides DXi backup systems for backup storage and multi-site disaster recovery; surveillance and physical security storage systems, including video recording servers, as well as hyperconverged storage systems for video surveillance management and recording; and appliances designed for video surveillance analytics and to run various types of access control systems. In addition, the company offers in-vehicle storage systems, which are removable storage systems for in-vehicle data capture, mobile surveillance, and military applications; managed services, implementation and training services, and support services; and object storage systems for online content repositories, such as media production data.

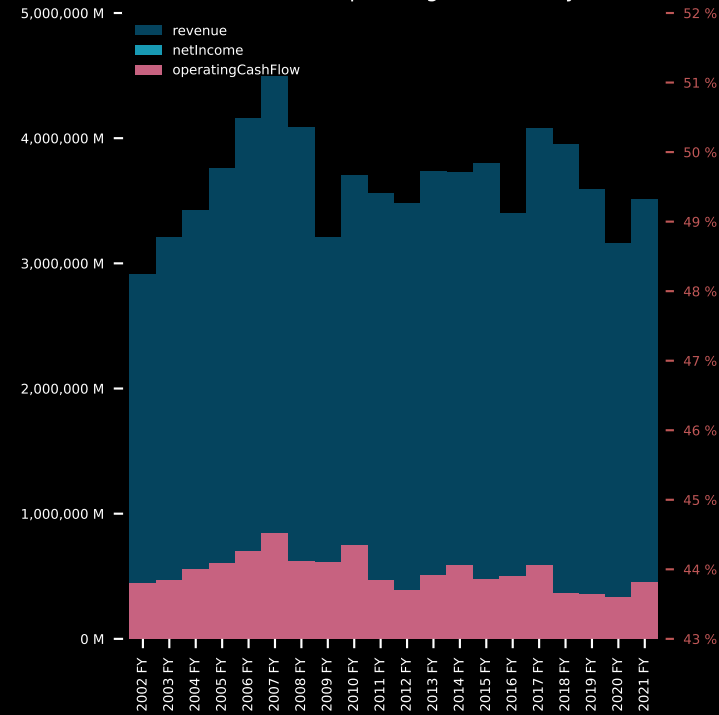
Sales, NI & Operating CF, quarterly



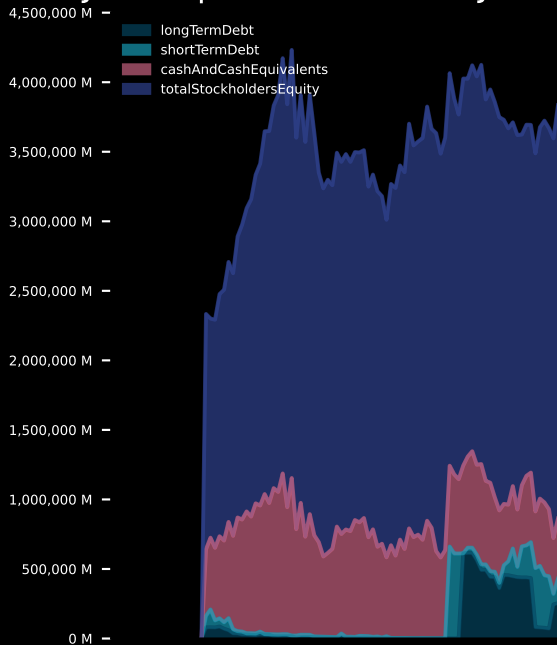
Price vs shares outstanding, quarterly



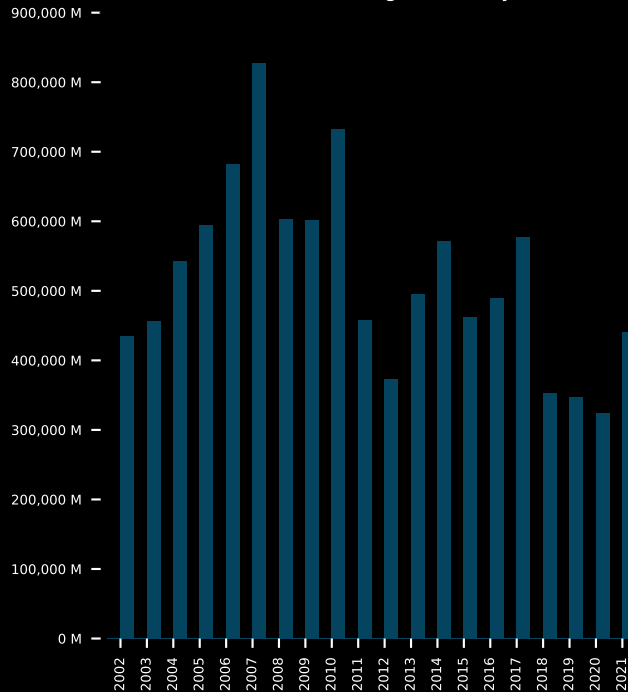
Sales, NI & Operating CF, annually



CAJ / Computer Hardware / JP / 2022-08-23

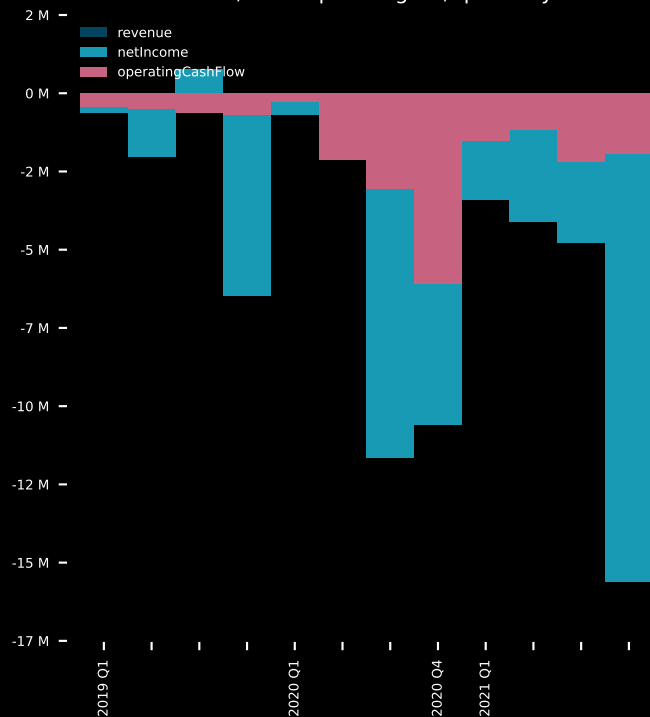


Owners Earnings, annually

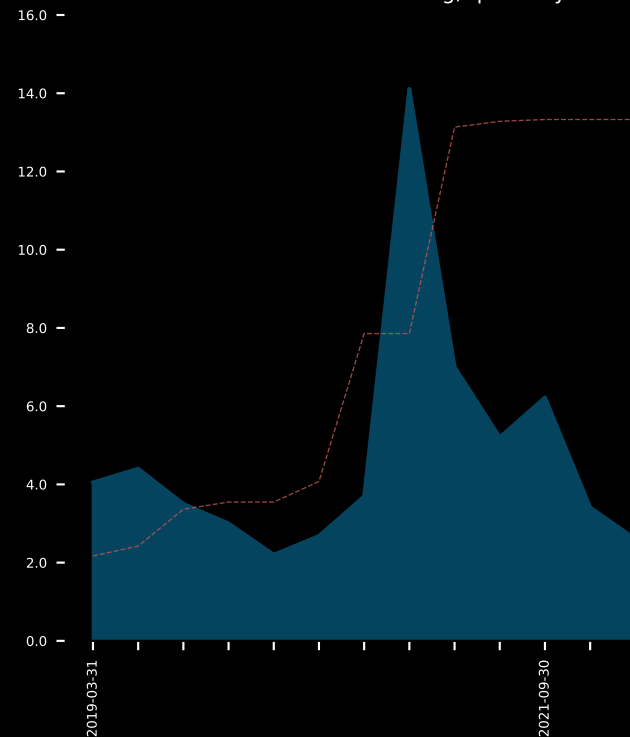


Canon Inc., together with its subsidiaries, manufactures and sells office multifunction devices (MFDs), plain paper copying machines, laser and inkjet printers, cameras, diagnostic equipment, and lithography equipment. The company operates through four segments: Printing Business Unit, Imaging Business Unit, Medical Business Unit, and Industrial and Others Business Unit. The Printing Business Unit segment offers office MFDs, document solutions, laser multifunction printers, laser printers, inkjet printers, image scanners, calculators, digital continuous feed presses, digital sheet-fed presses, and large format printers. The Imaging Business Unit segment provides interchangeable-lens digital cameras, digital compact cameras, interchangeable lenses, compact photo printers, network cameras, video management and video content analytics software, digital camcorders, digital cinema cameras, broadcast equipment, and multimedia projectors. The Medical System Business Unit segment offers computed tomography systems, diagnostic ultrasound systems, diagnostic X-ray systems, magnetic resonance imaging systems, clinical

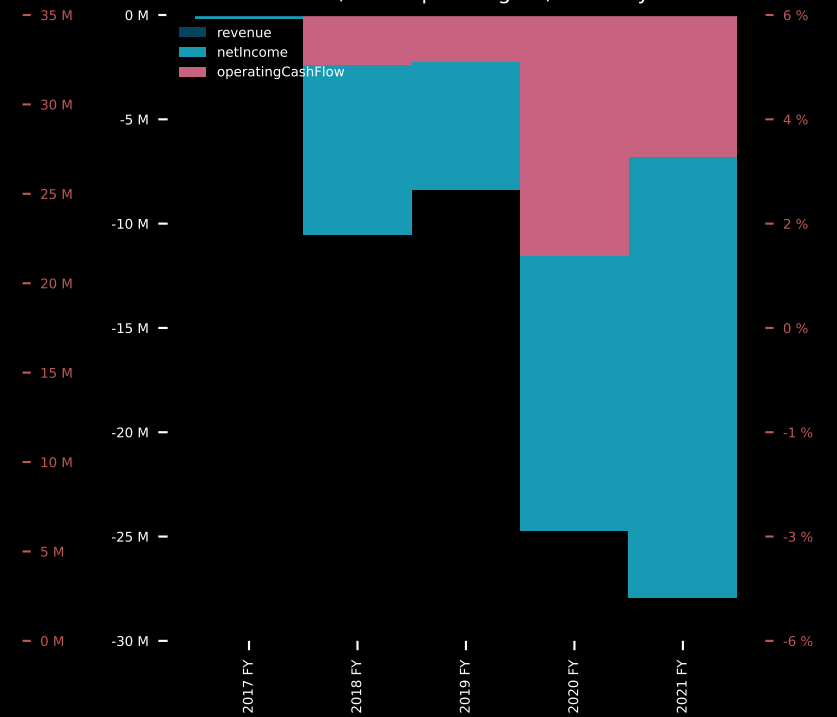
Sales, NI & Operating CF, quarterly



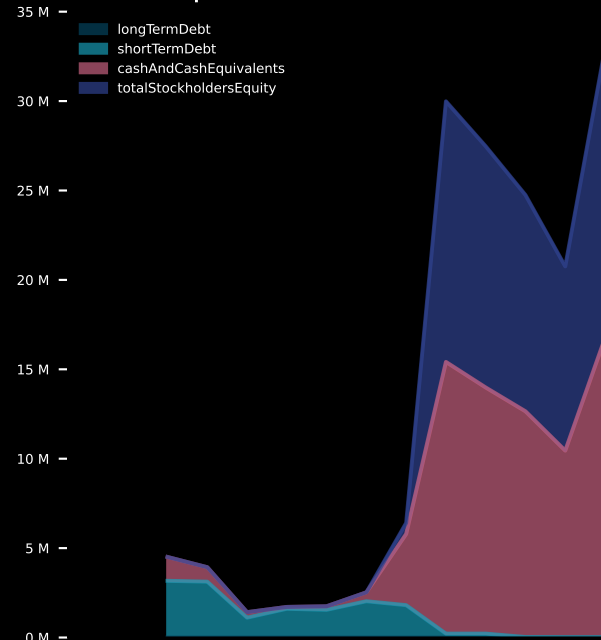
Price vs shares outstanding, quarterly



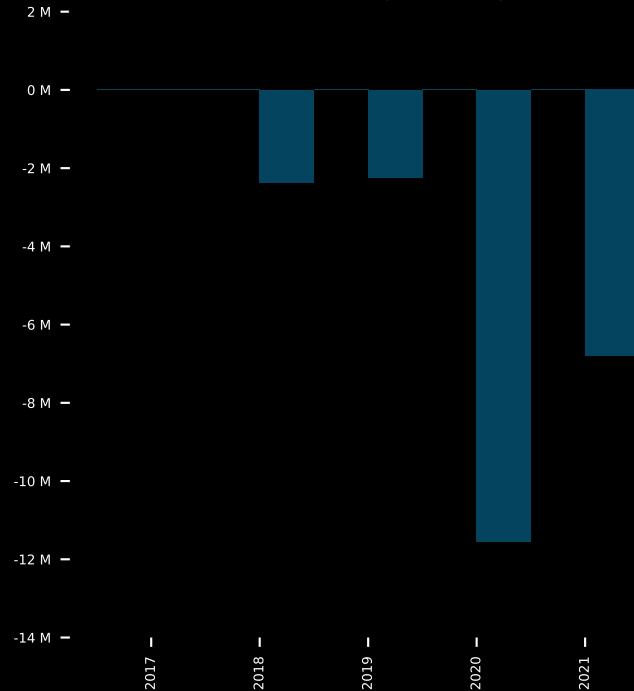
Sales, NI & Operating CF, annually



QUBT / Computer Hardware / US / 2022-08-23

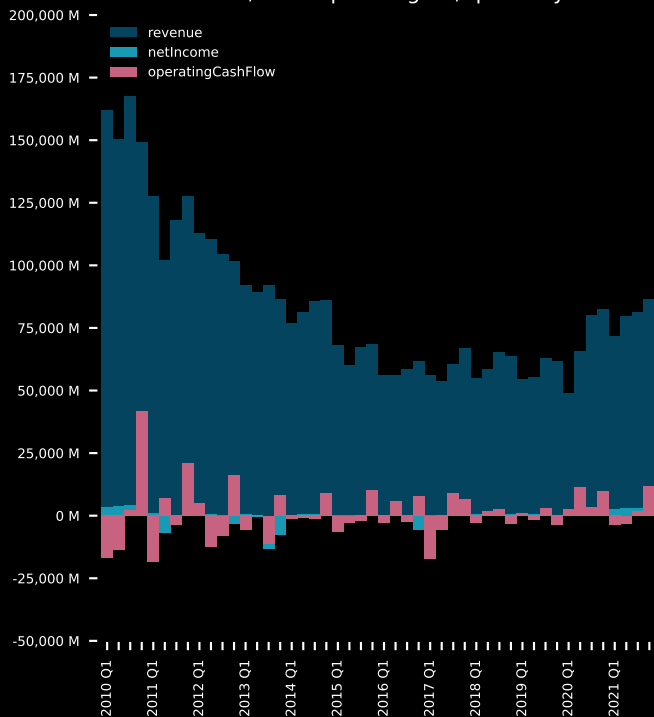


Owners Earnings, annually

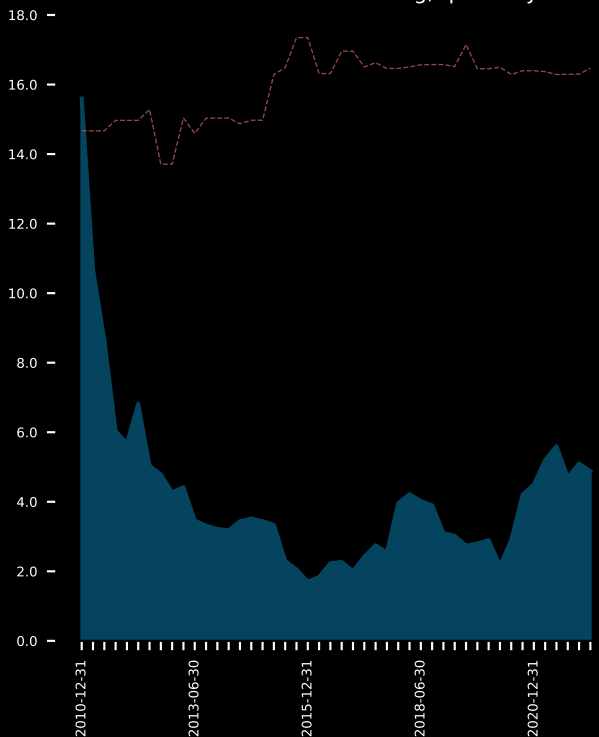


Quantum Computing, Inc. focuses on providing software tools and applications for quantum computers in Virginia. The company offers Qatalyst, a quantum application accelerator that enables developers to create and execute quantum-ready applications on conventional computers, while being ready to run on quantum computers as well as provides multiple quantum processing units including DWave, Rigetti, and IonQ. It focuses on serving commercial and government entities. The company, formerly known as Innovative Beverage Group Holdings, Inc. Quantum Computing, Inc. was founded in 2018 and is based in Leesburg, Virginia.

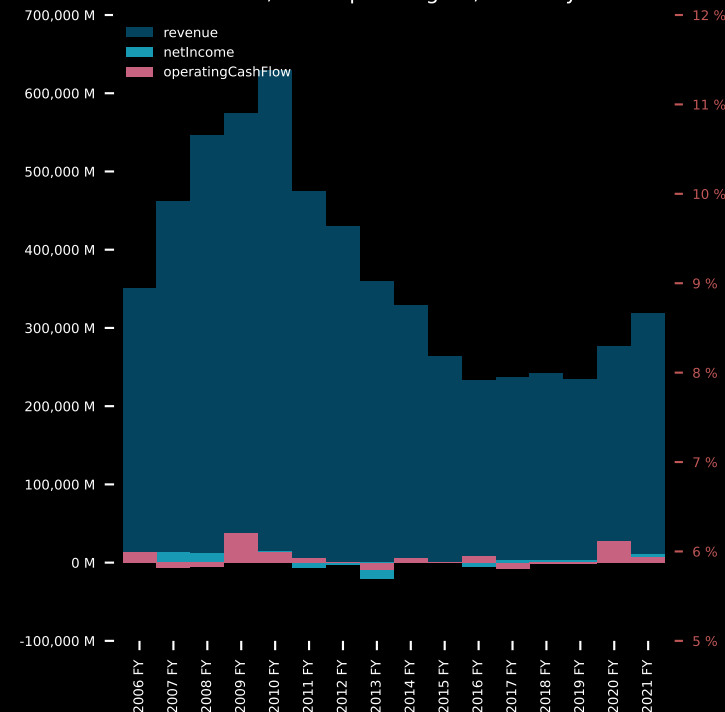
Sales, NI & Operating CF, quarterly



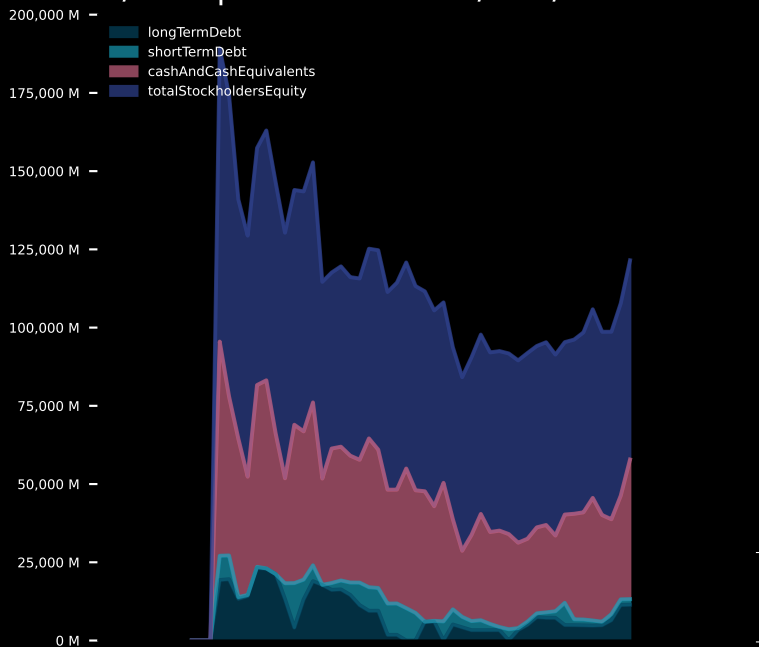
Price vs shares outstanding, quarterly



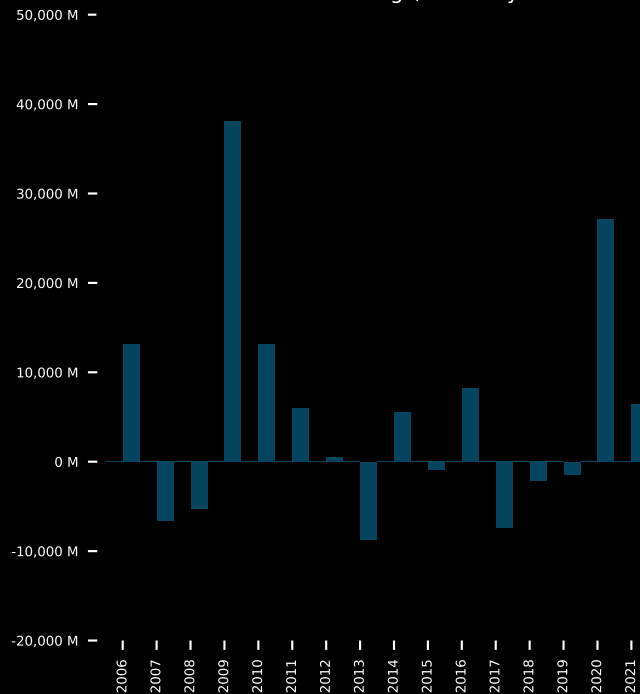
Sales, NI & Operating CF, annually



ACID.IL / Computer Hardware / US / 2022-08-23



Owners Earnings, annually

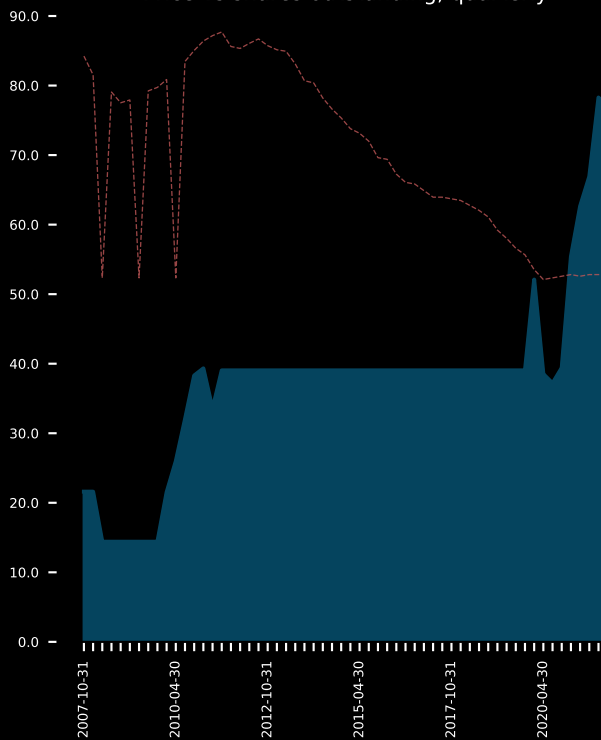


Acer Incorporated researches, designs, markets, and services personal computers (PCs), information technology (IT) products, and tablet products in the United States, Mainland China, Taiwan, and internationally. The company offers notebook and desktop PCs; LCD monitors; projectors; gaming and esports platform; gadgets; servers; cloud and E-business and services; commercial and digital signage solutions, cyber security and datacenter, beverages, and media AI. It also provides electronic information, insurance captive, cloud technology, professional seminars and courses, system development and integration, property development, software defined storage, online payment, technical, social networking, cyber security, data center, and real estate services; intelligent transportation and electronic ticketing programs and services; and investment funds. In addition, the company repairs and maintains IT products; researches, designs, and develops Internet of Things platform; sells communication products; operates platform for client service and products sale; and develops Internet of Beings and cloud technology; integrates cloud technology,

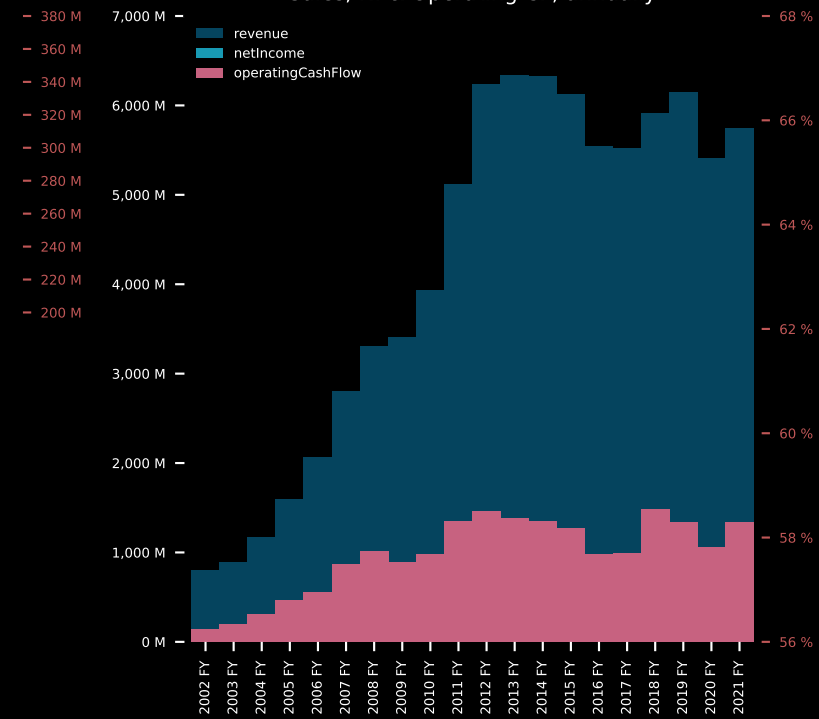
Sales, NI & Operating CF, quarterly



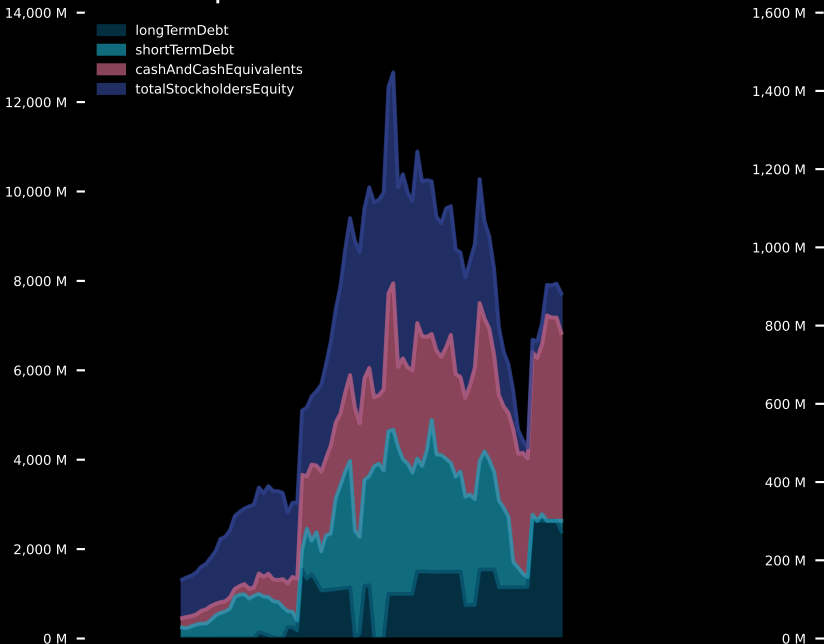
Price vs shares outstanding, quarterly



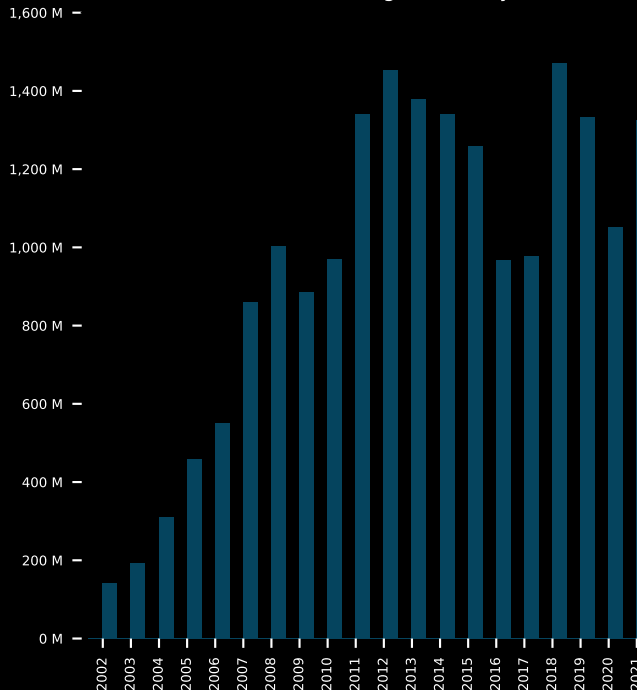
Sales, NI & Operating CF, annually



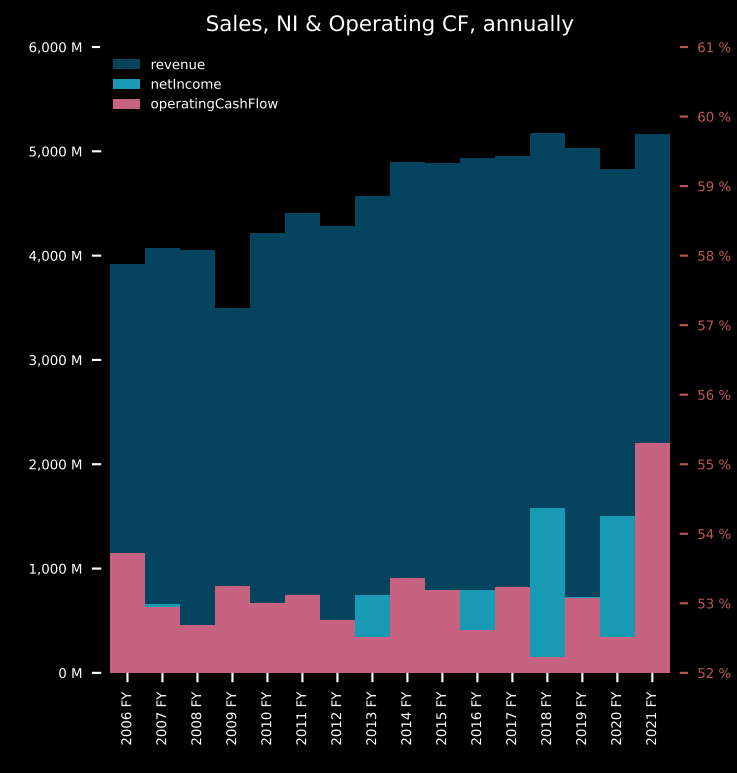
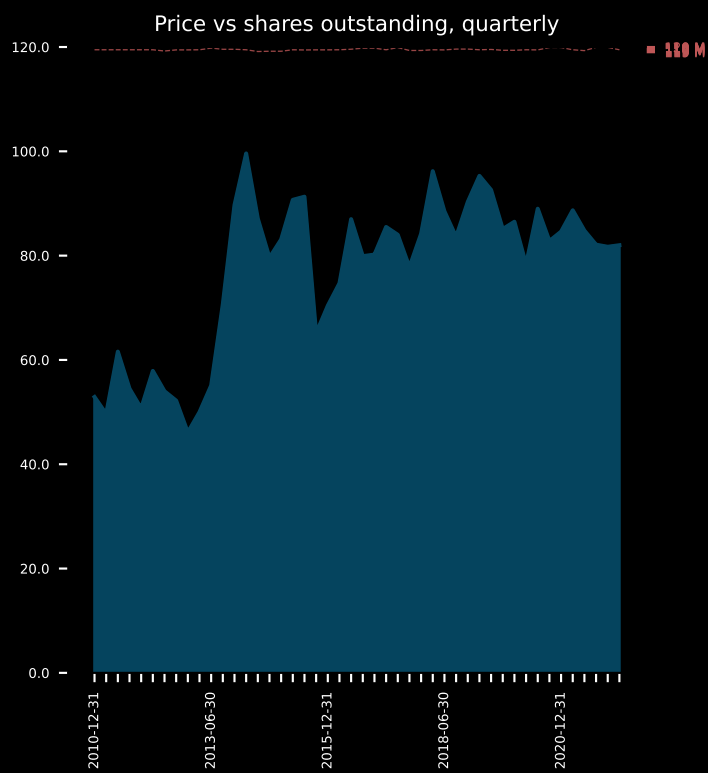
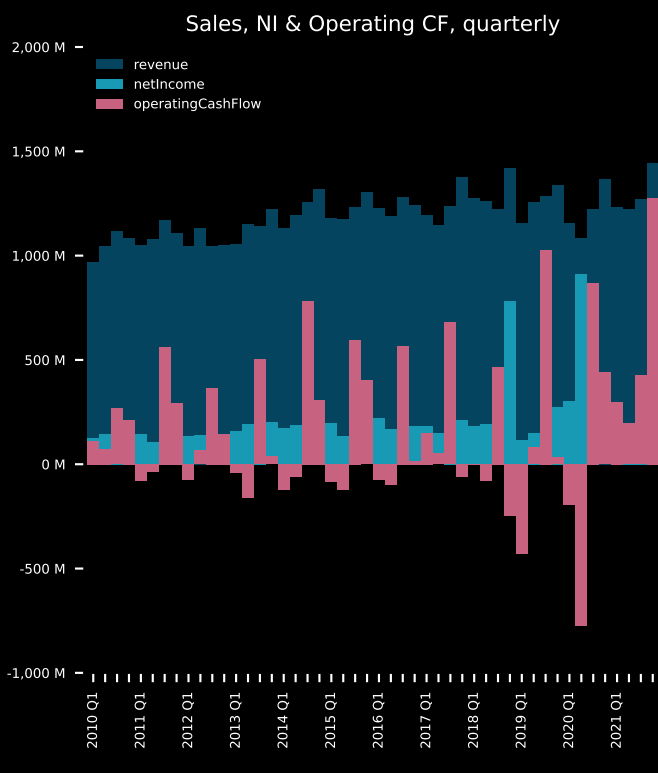
NTA.DE / Computer Hardware / US / 2022-08-23



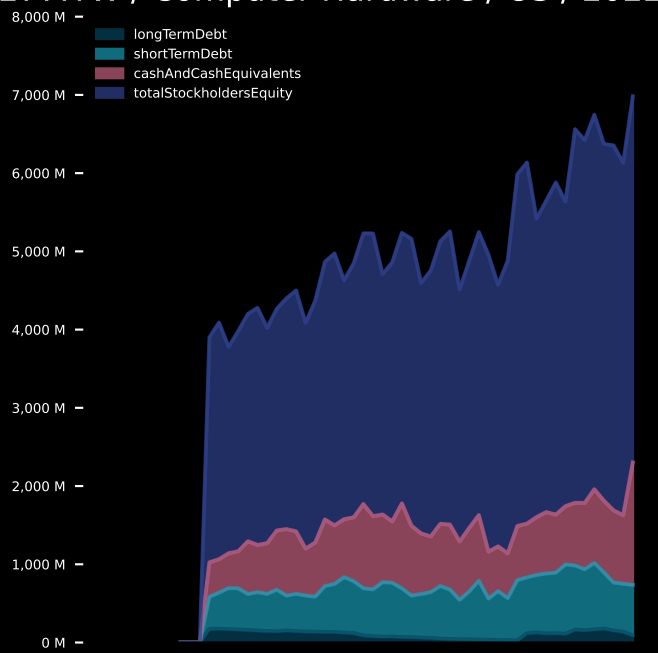
Owners Earnings, annually



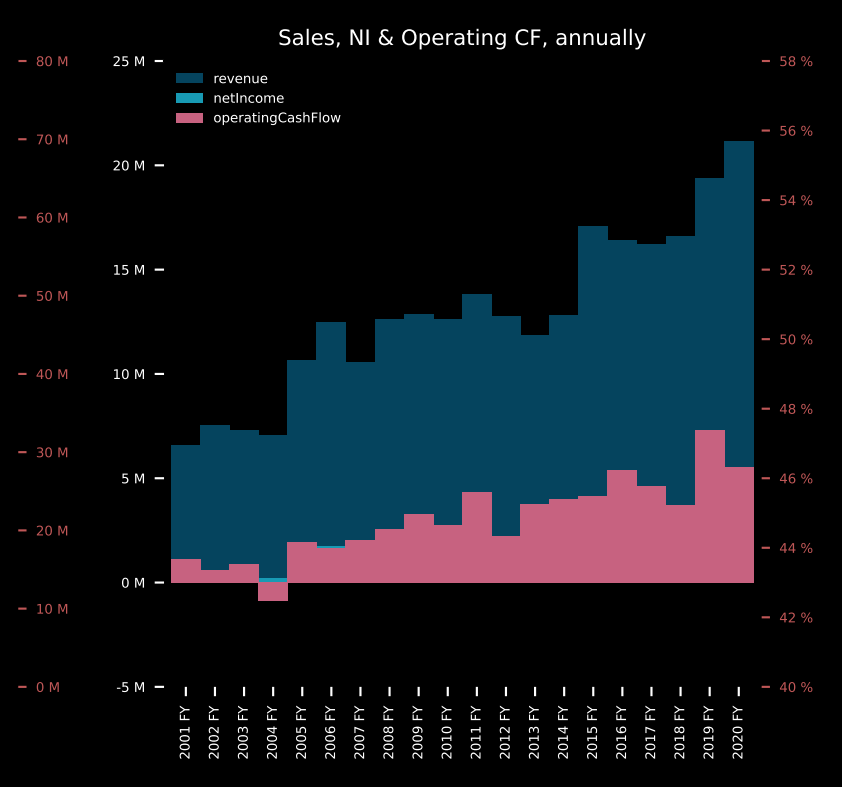
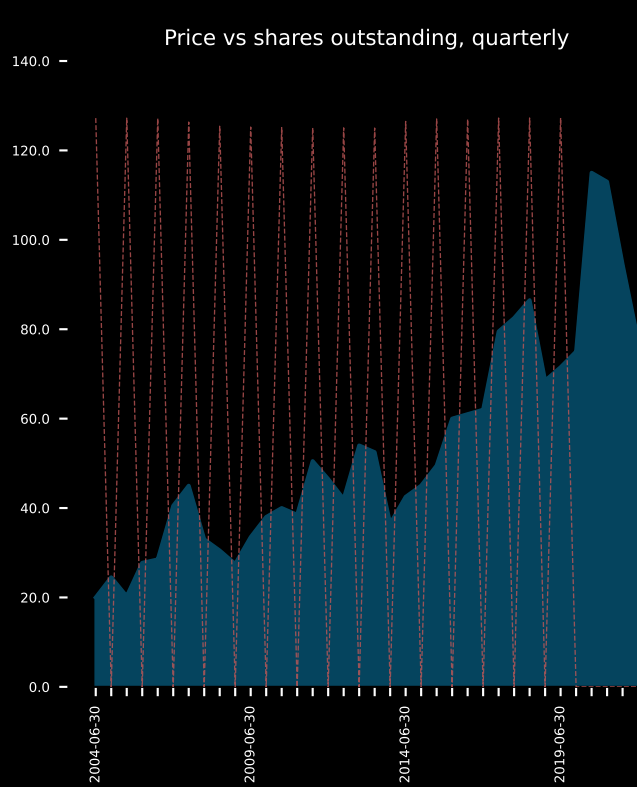
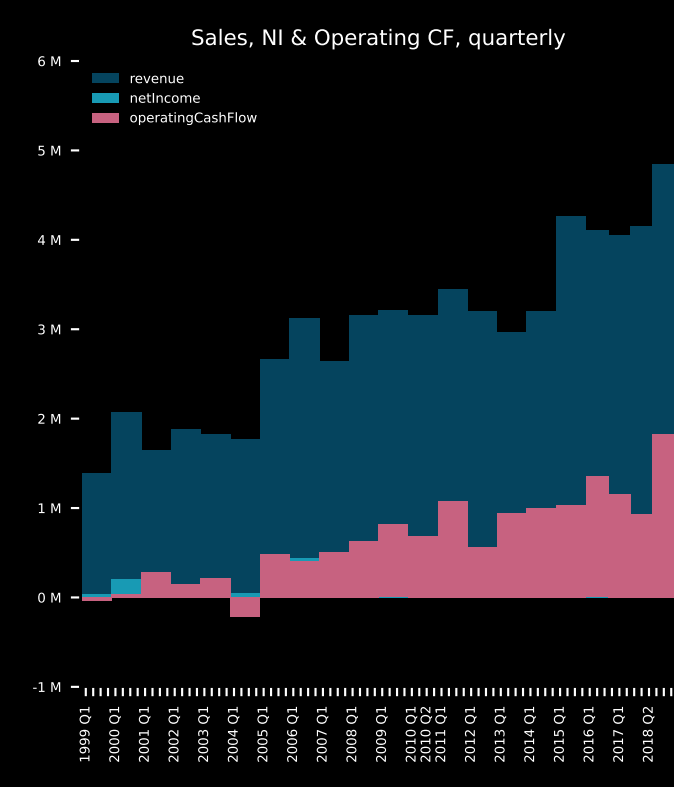
NetApp, Inc. provides software, systems, and cloud services to manage and share data on-premises, and private and public clouds worldwide. The company offers cloud storage services, including NetApp Cloud Volumes; cloud control solutions, such as NetApp Cloud Manager and NetApp Virtual Desktop Service; cloud services and analytics comprising NetApp Cloud Insights, NetApp Cloud Sync, NetApp Cloud Compliance, NetApp Cloud Tiering, NetApp SaaS Backup, NetApp Cloud Backup, and NetApp Global File Cache; and Cloud Optimization solutions, such as Spot by NetApp, Spot Cloud Analyzer by NetApp, Spot Eco by NetApp, Spot Ocean by NetApp, Spot Wave by NetApp, Spot Elastigroup by NetApp, and NetApp Virtual Desktop Managed Service. It provides data storage solutions comprising NetApp All-Flash FAS series, NetApp Fabric Attached Storage, NetApp FlexPod, NetApp E/EF series, NetApp StorageGRID, NetApp SolidFire, and NetApp HCI; data protection solutions, such as NetApp SnapCenter Backup Management, NetApp SnapMirror Data Replication, NetApp SnapLock Data Compliance, and NetApp Data Availability Services; and data management solutions, including NetApp ONTAP Cloud.



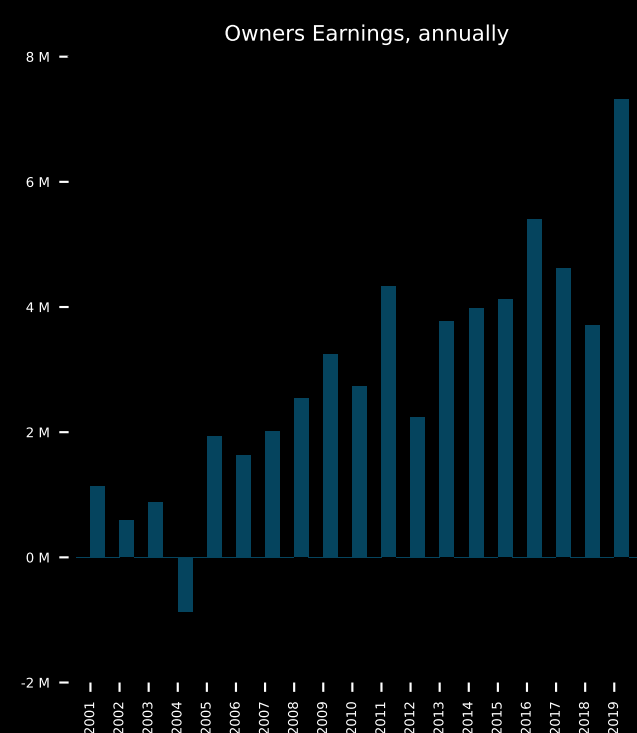
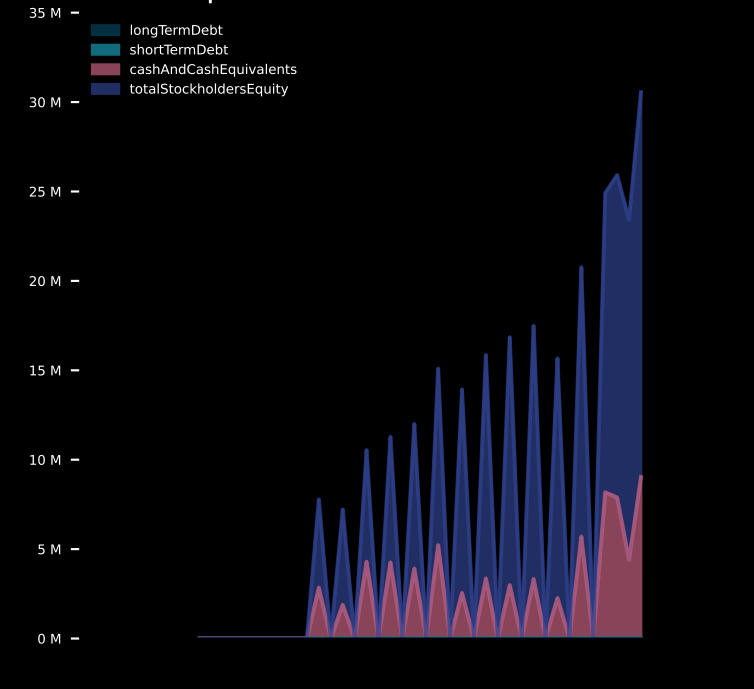
6277.TW / Computer Hardware / US / 2022-08-23



Aten International Co., Ltd engages in the development, manufacture, and sale of IT infrastructure access management solution, professional audio/video, green energy, and related products. The company's products comprise KVM products, including cable, desktop, cat 5, rack, secure, matrix, and LCD KVM switches; and KVM extenders, KVM modules and accessories, KVM over IP switches, computer sharing devices, management software/control centers, serial console servers, accessories, and remote control and monitoring solutions. It also offers professional audio/video products, such as control systems, presentation switches, networked AVs, video matrix switches, video switches and splitters, video extenders, converters, accessories, and software products, as well as energy intelligence power distribution unit (PDU)/UPS/rack products comprising metered-ready, metered, switched, outlet-metered, outlet-metered-switched, and basic PDU products; PDU accessories; professional online UPS; standing network rack; and energy and DCIM management software products. In addition, the company provides USB and thunderbolt products, digital video products, and related products.

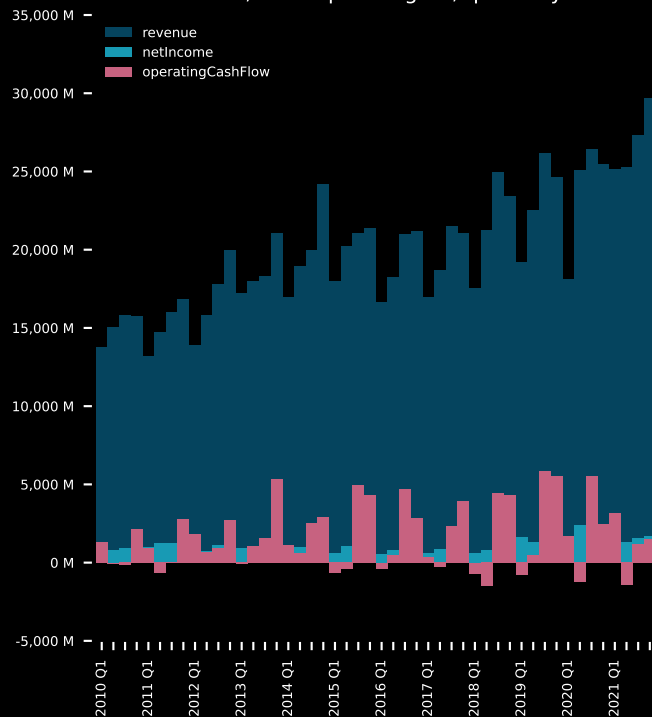


CNC.L / Computer Hardware / GB / 2022-08-23

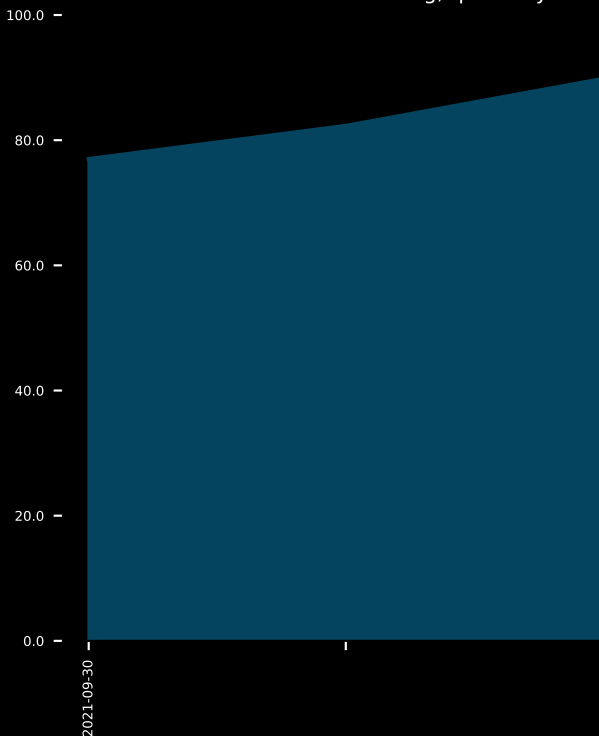


Concurrent Technologies Plc, together with its subsidiaries, designs, develops, manufactures, and markets single board computers for system integrators and original equipment manufacturers. The company provides various commercial off-the-shelf products, such as VPX boards, advanced mezzanine cards, VME processor boards, CompactPCI products, XMC modules, and firmware and software products, as well as accessories, including breakout cables for high-density connectors and storage modules. The company serves customers in the defence, military, aerospace, telecommunication, industrial, transport, and scientific markets in the United Kingdom and other European countries, North America, and rest of the world. Concurrent Technologies Plc was incorporated in 1985 and is headquartered in Colchester, the United Kingdom.

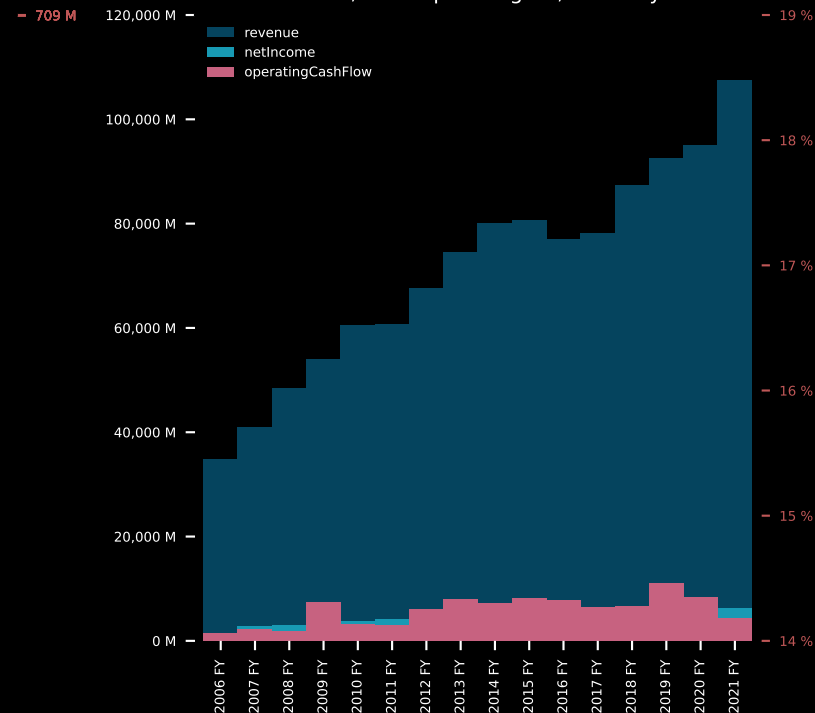
Sales, NI & Operating CF, quarterly



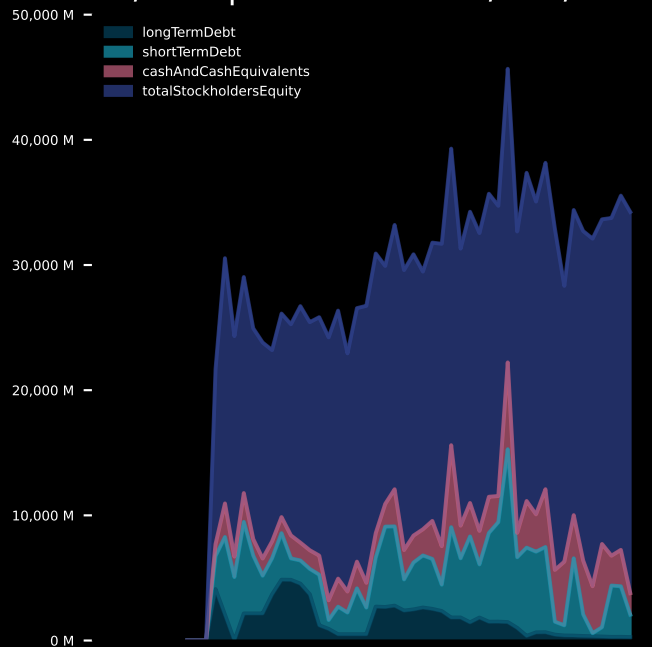
Price vs shares outstanding, quarterly



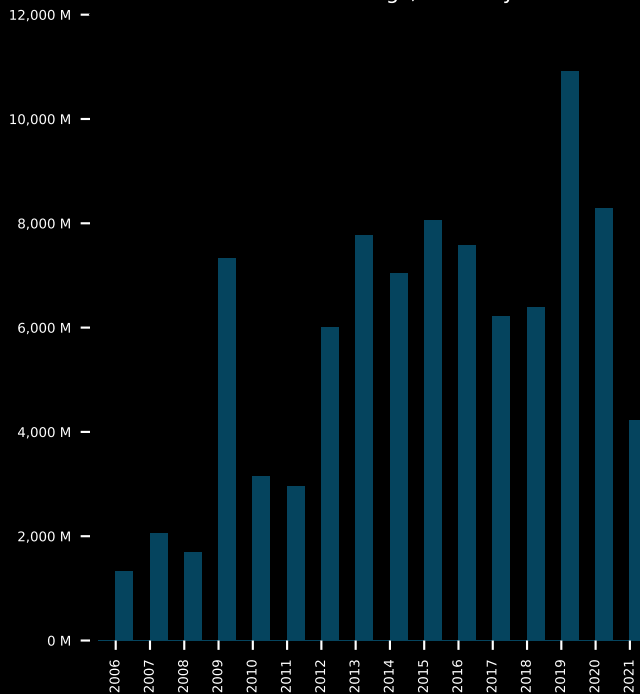
Sales, NI & Operating CF, annually



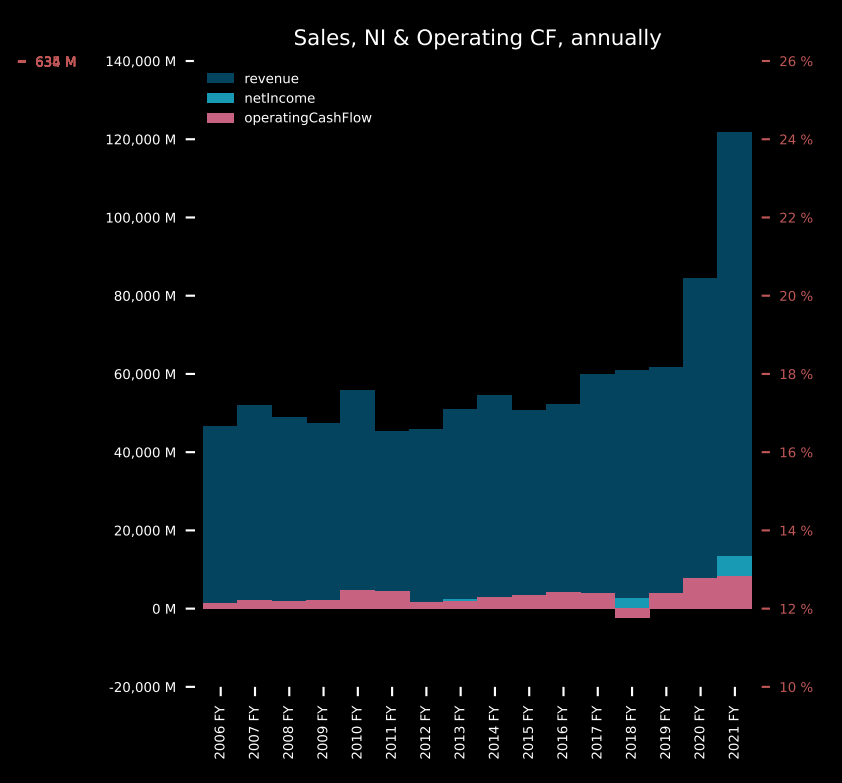
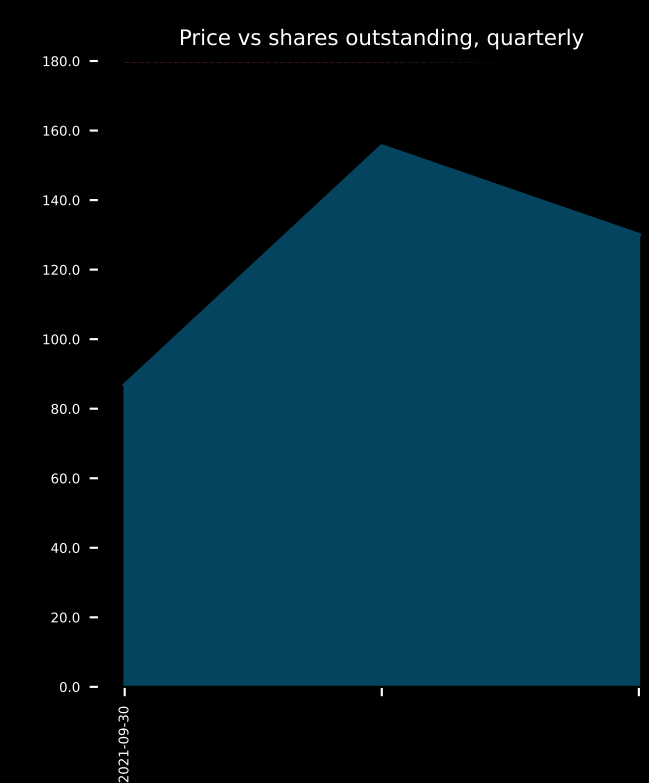
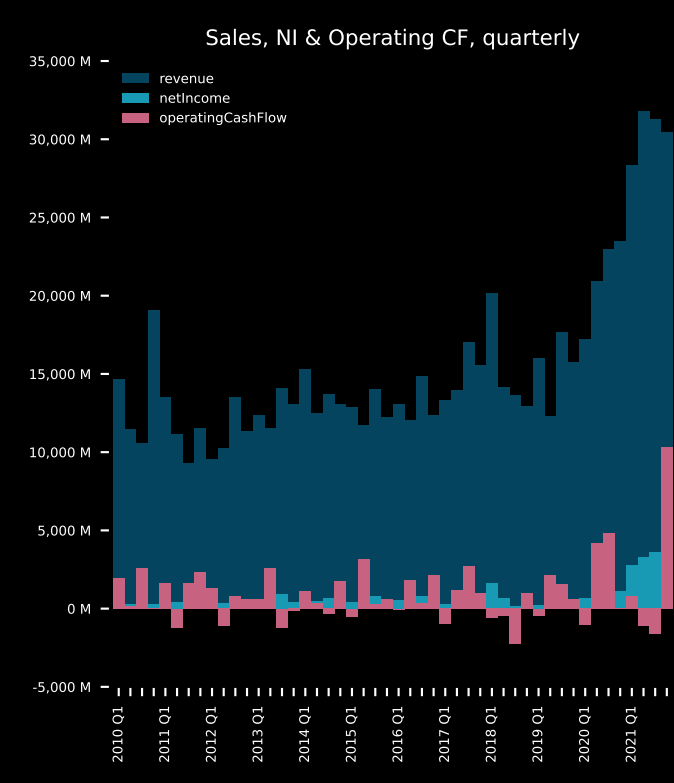
2385.TW / Computer Hardware / US / 2022-08-23



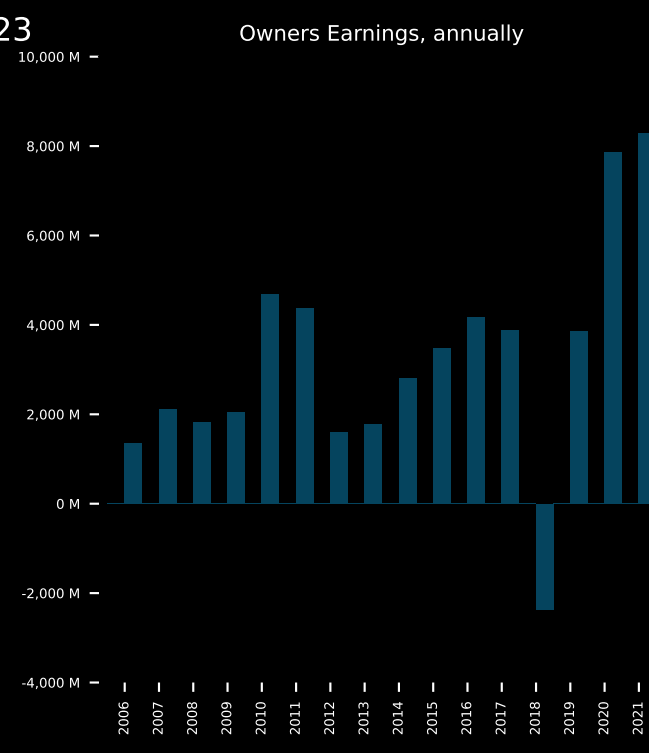
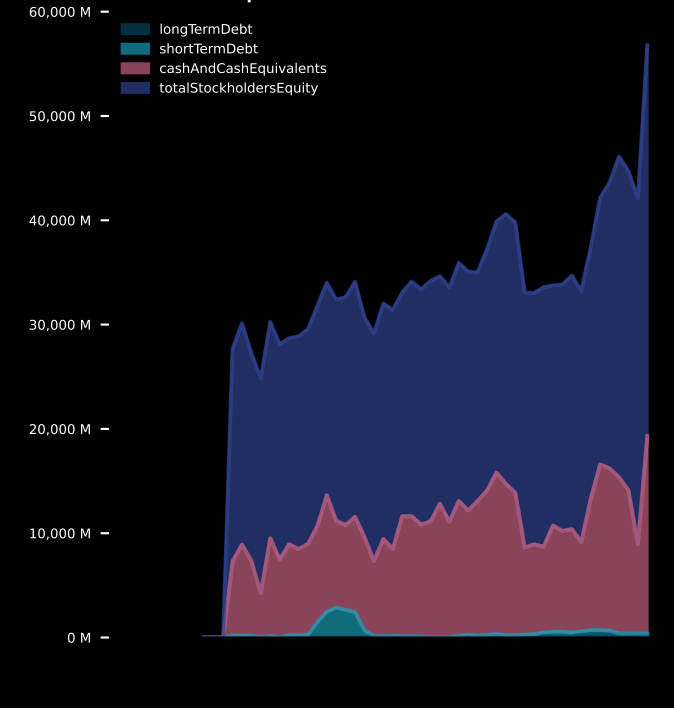
Owners Earnings, annually



Chicony Electronics Co., Ltd. manufactures and sells keyboards and other computer peripheral components in Taiwan and internationally. It offers input devices, including ergonomic, wired entry, wired multimedia, 2.4G wireless combo, Bluetooth, and smart card keyboards; mobile keyboards; and camera modules. The company also provides video image products, such as action cams, dash cams, outdoor IP cams, and zoom camcorders, as well as wearable cams and porch IP cams; and automotive electronic, such as image systems and LED lighting products. In addition, it manufactures sells switching power supplies and other electronic parts; researches, manufactures, and sells DSL bridges and routers; Internet solution for E-Commerce solution; production and sells automotive and motorcycle components, electric machine and device, lamps, and plastic products; researches and develops, manufactures, sells, and installs electric machinery, electric frequency device, and industry automation equipment, as well as offers aftersale and advisory services; manufactures and sells electrical machinery and components; and imports and exports goods.

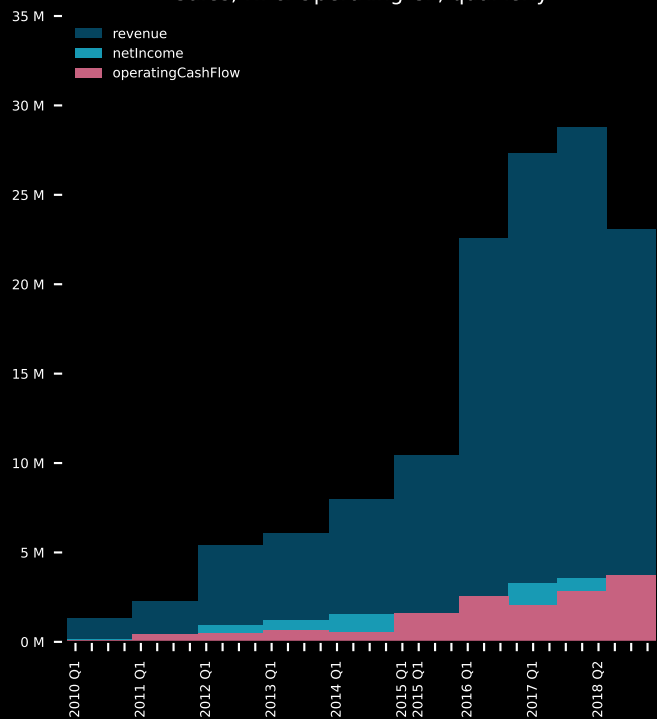


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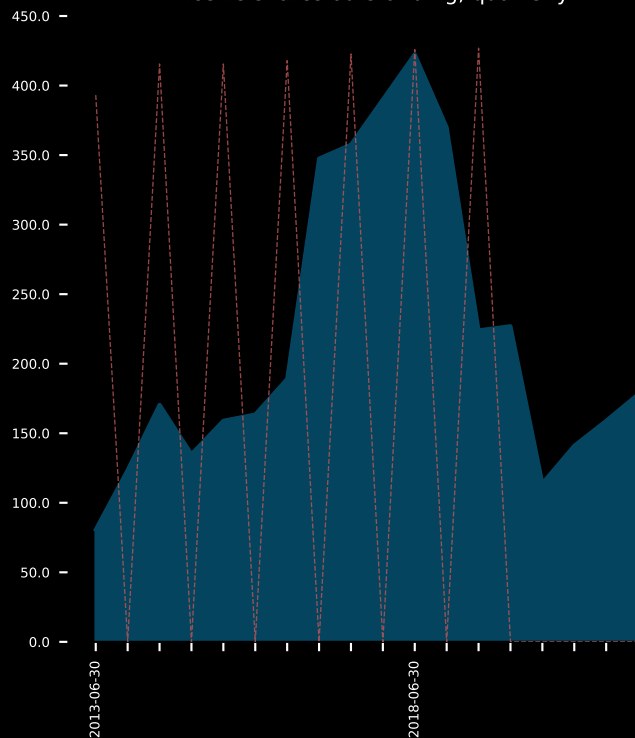


Giga-Byte Technology Co., Ltd., together with its subsidiaries, processes, manufactures, trades in, and sells computer peripherals and component parts in Taiwan, Europe, the United States, Canada, China, and internationally. It operates through Global Brand Business Group and Other Business Group segments. The company offers mother boards, graphic cards, laptops, desktop PCs and monitors, network storage products, and network devices and wireless communication products. It also provides PC peripherals, such as keyboards, mouse, gaming gears, speakers, headsets, external storage enclosures, TV tuner dongles, and USB chargers; and PC components comprising chassis, power supply products, solid state drives, and memory products, as well as thermal solutions. In addition, the company offers server mother boards, rack and tower servers, computing systems, high performing computing systems, ARM and storage servers, embedded computing products, and accessories; and notebooks, communication and ODM products, mold and industrial plastic products, and bicycle and parts. Further, it provides repair services for computer information products;

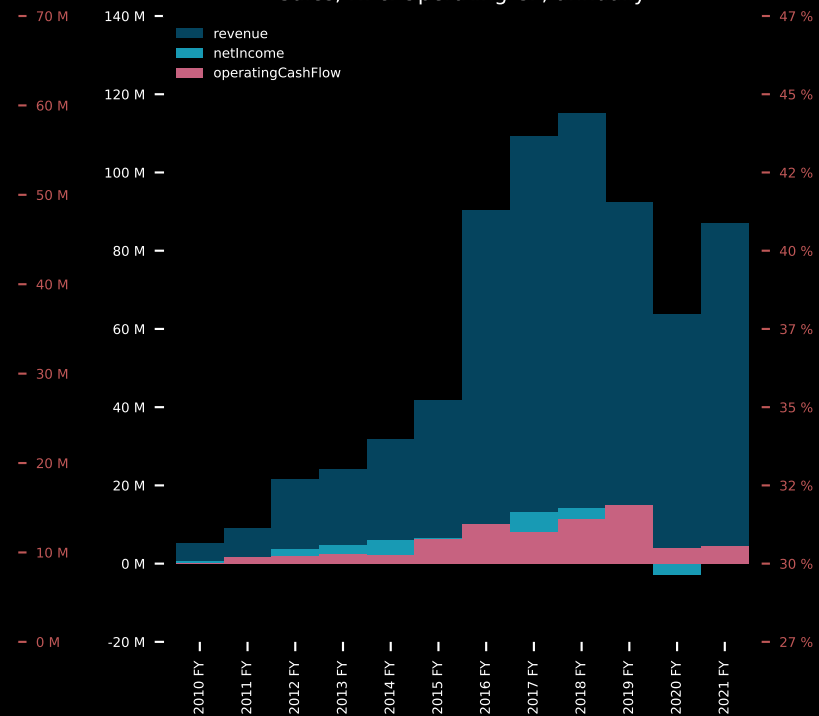
Sales, NI & Operating CF, quarterly



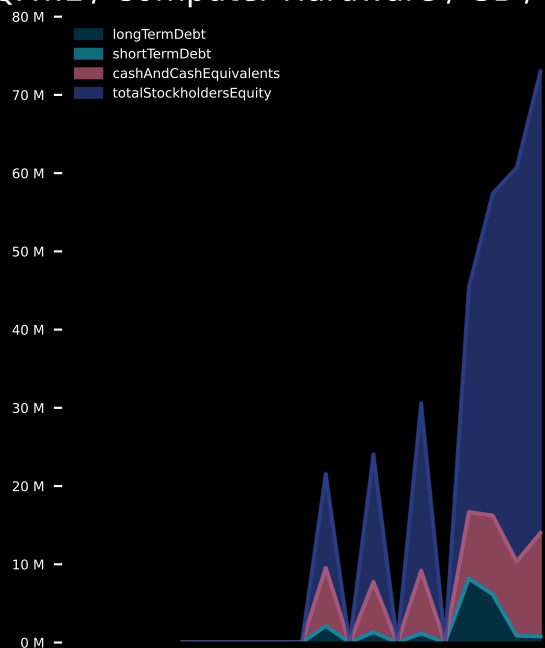
Price vs shares outstanding, quarterly



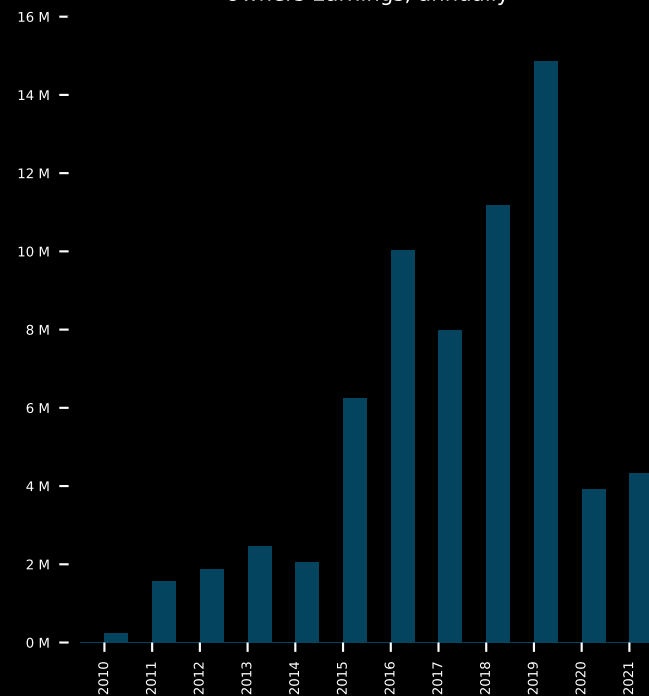
Sales, NI & Operating CF, annually



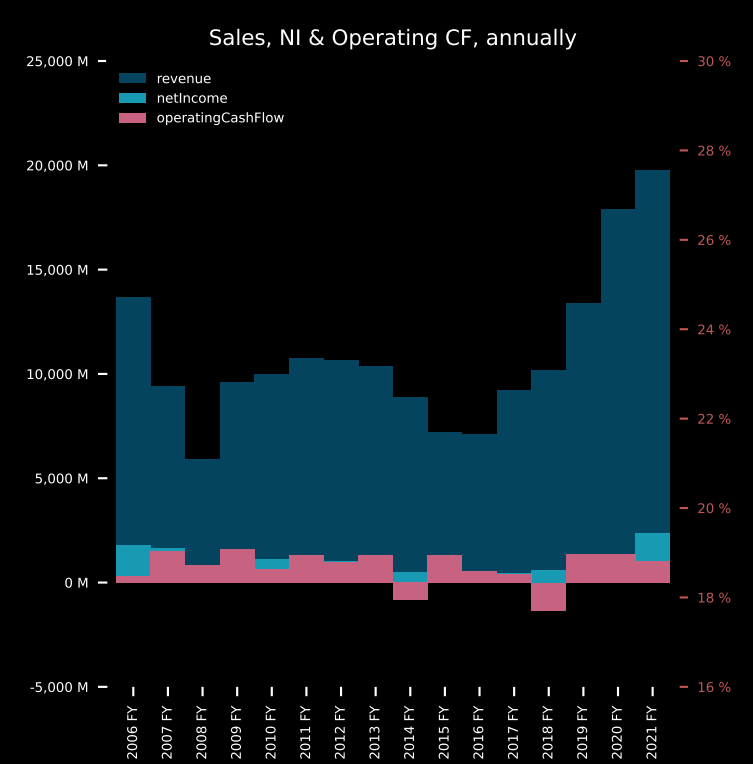
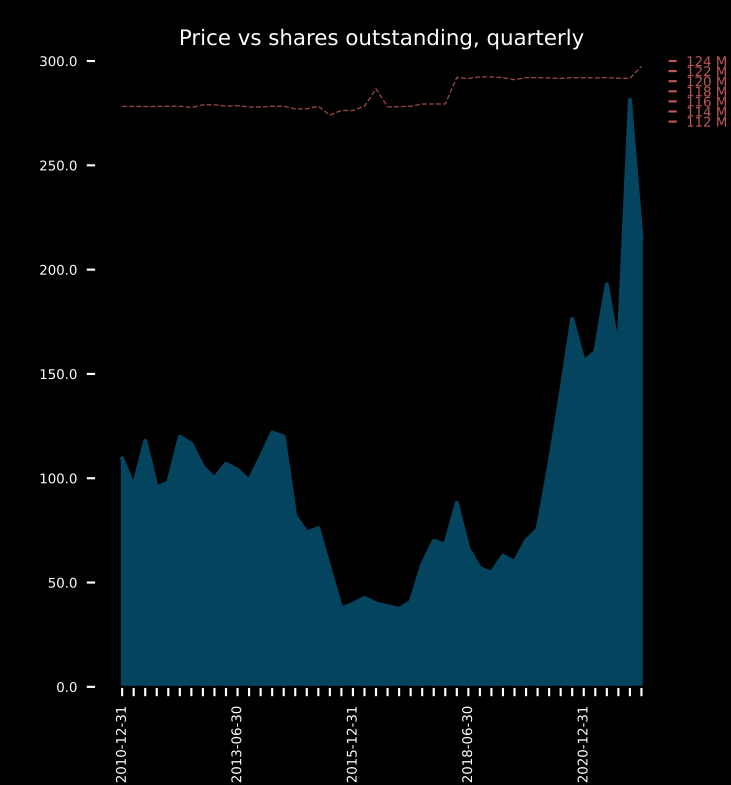
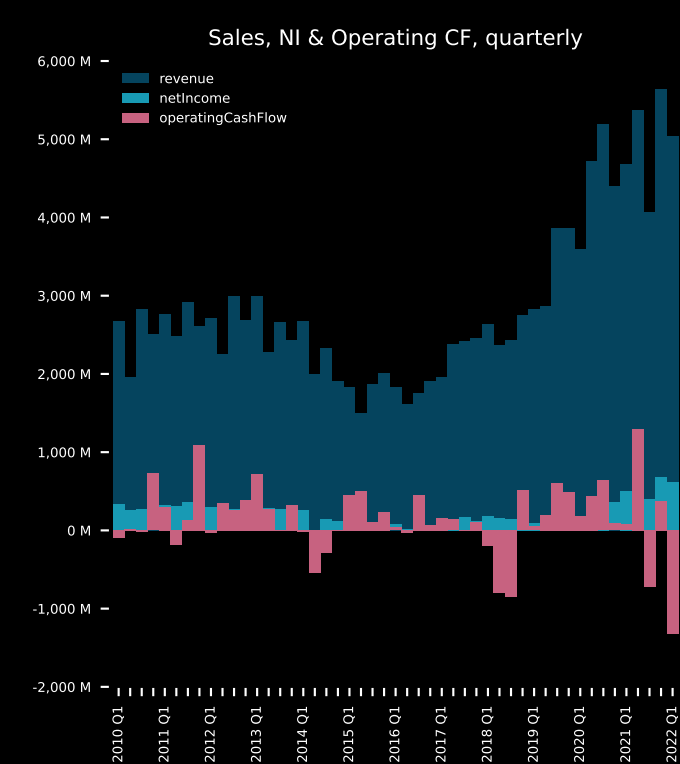
QXT.L / Computer Hardware / GB / 2022-08-23



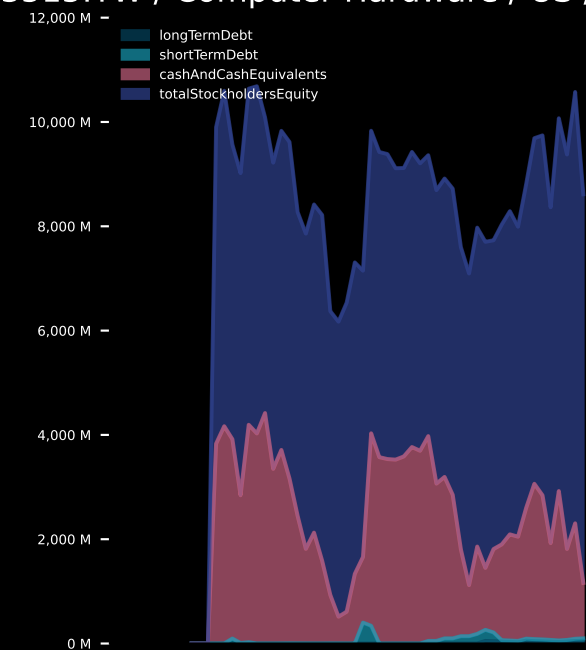
Owners Earnings, annually



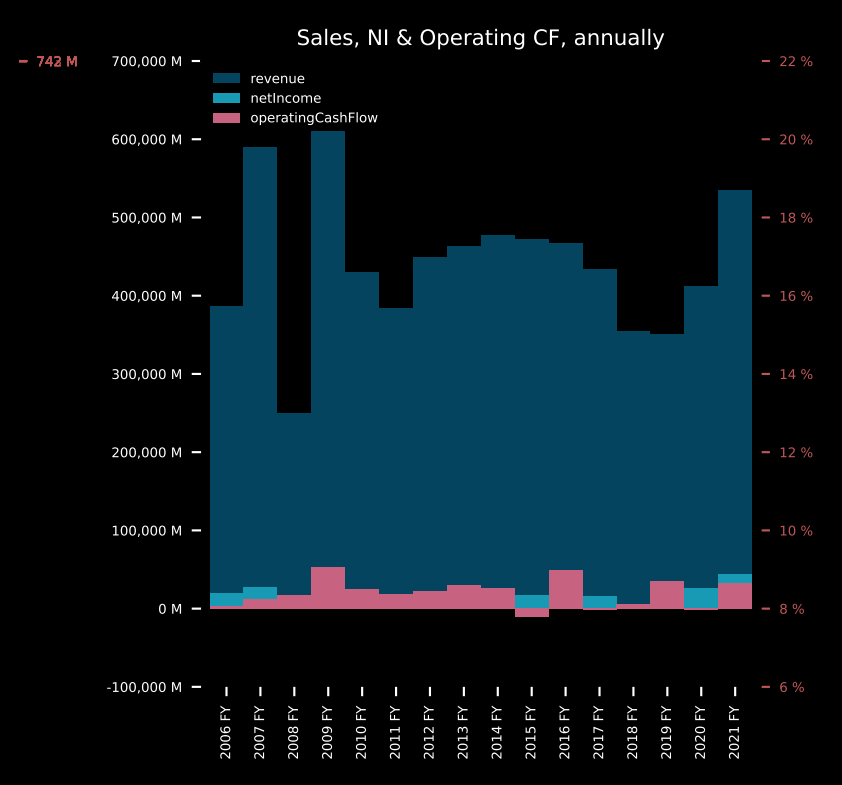
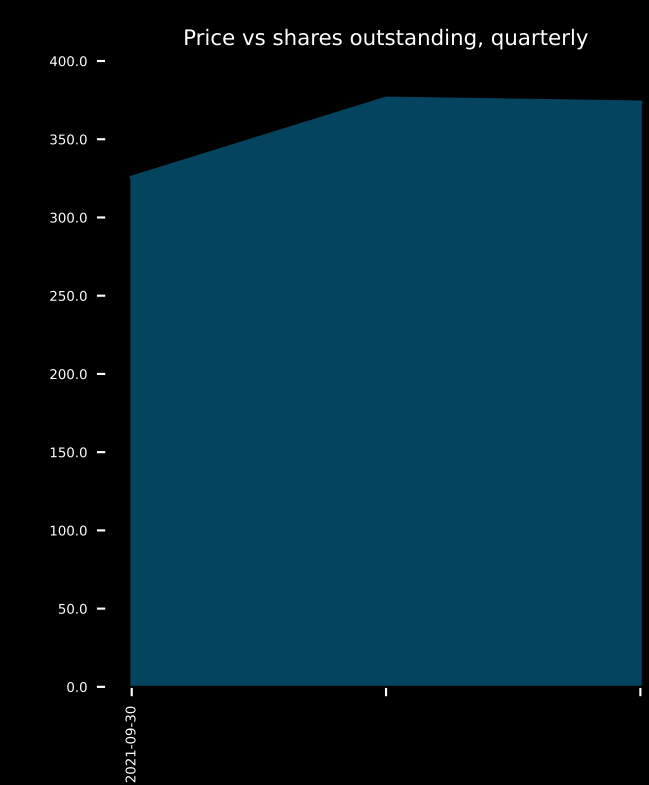
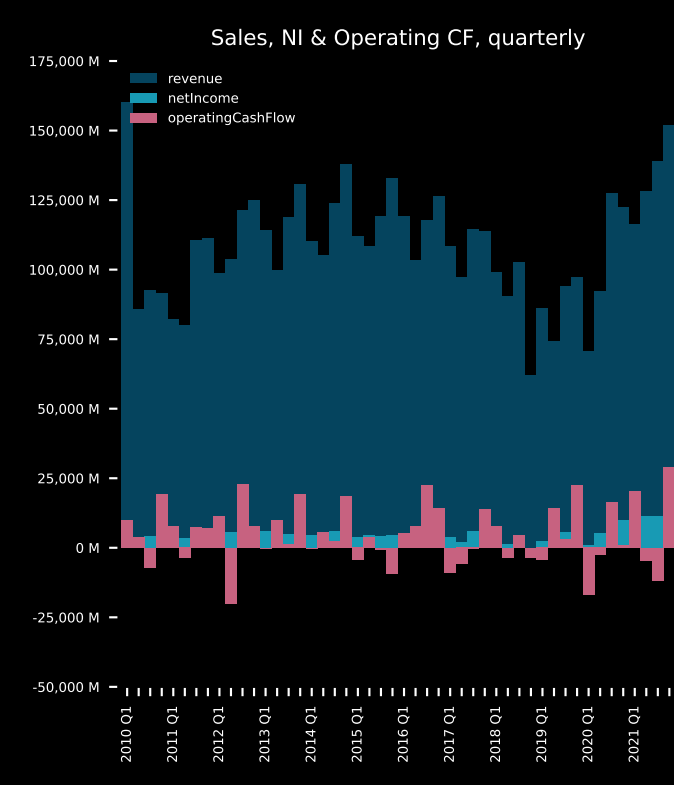
Quixant Plc engages in the design, development, and manufacture of gaming platforms and display solutions for the casino gaming and slot machine industry. The company designs, develops, and delivers electronic displays and control solutions into the industrial marketplace; and offers gaming cabinets, button decks, and accessories. It also provides human machine interface and display solutions for a range of industrial sectors. In addition, the company develops and supplies specialist computer systems; and offers software development services. It operates in Asia, Australia, the United Kingdom, Europe, North America, and internationally. The company was incorporated in 2001 and is headquartered in Cambridge, the United Kingdom.



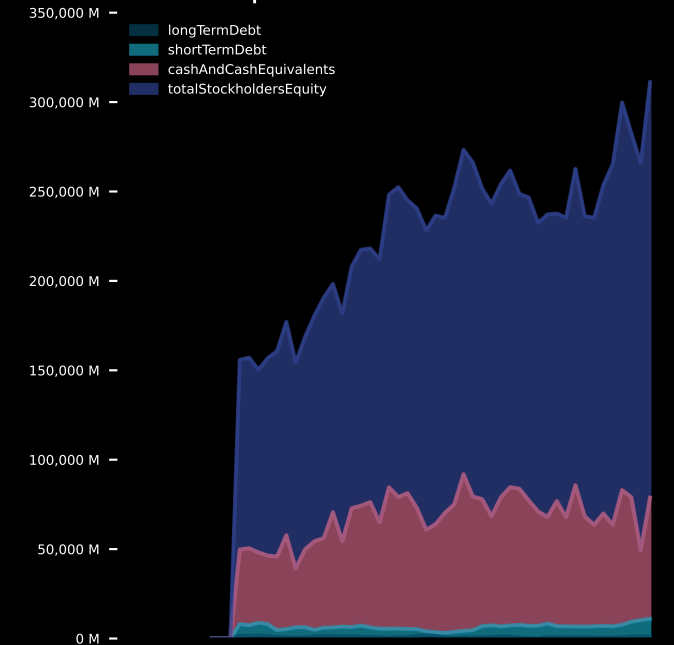
3515.TW / Computer Hardware / US / 2022-08-23



ASROCK Incorporation manufactures and sells motherboards in Taiwan. It also offers graphics cards, networking products, mini and industrial PCs, and server/WS products. ASROCK Incorporation was founded in 1991 and is headquartered in Taipei, Taiwan.

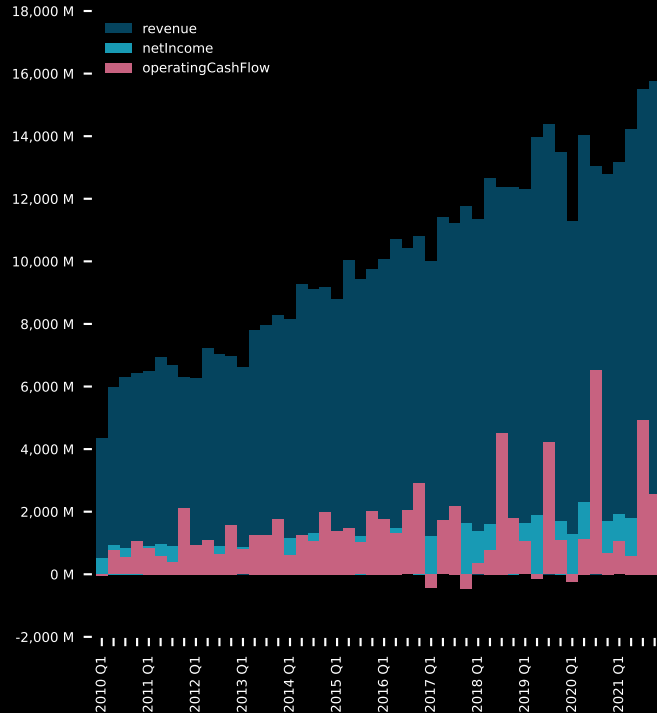


2357.TW / Computer Hardware / US / 2022-08-23

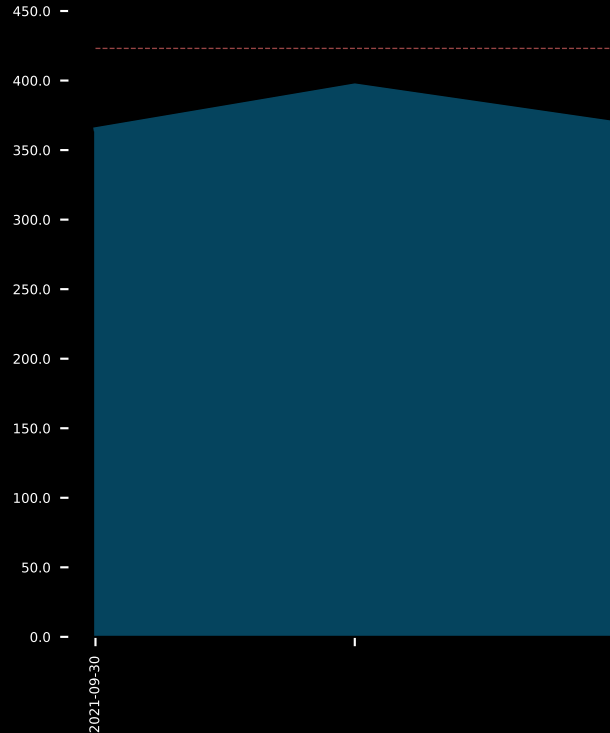


ASUSTeK Computer Inc. researches and develops, designs, manufactures, sells, and repairs computers, communications, and consumer electronic products (3C) in Taiwan, China, Singapore, Europe, the United States, and internationally. The company offers phones and accessories, such as power banks, and adapters and cables; gaming products; laptops and two-in-one personal computers (PCs); desktop, tower, mini, stick, and all-in-one PCs, as well as chrome devices; motherboards, single-board computers, and chassis and cooling products; monitors and projectors; headphones and headsets, and sound cards; mesh WiFi systems, wireless routers and adapters, and wired networking products; and graphic cards, as well as business wireless routers and gaming router home products. It also provides computer bags, keyboards and mice, and mouse pads; optical drives and storage products comprising internal and external Blu-rays, and external and internal DVDs; and servers, server motherboards, workstations, and workstation motherboards. Further, it offers Internet information services; and provides information services.

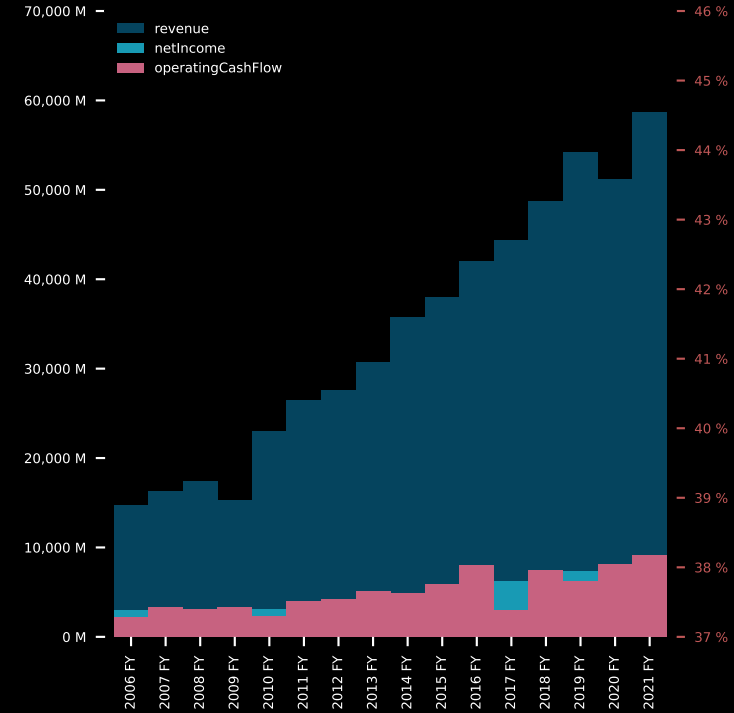
Sales, NI & Operating CF, quarterly



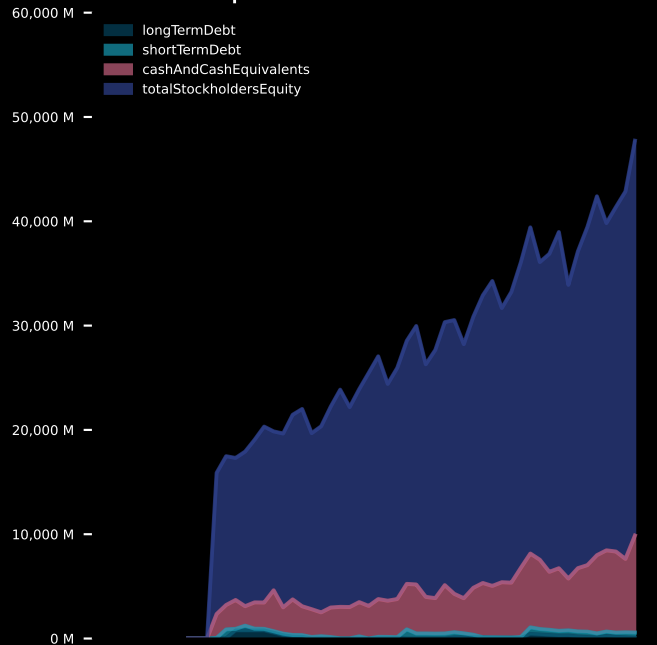
Price vs shares outstanding, quarterly



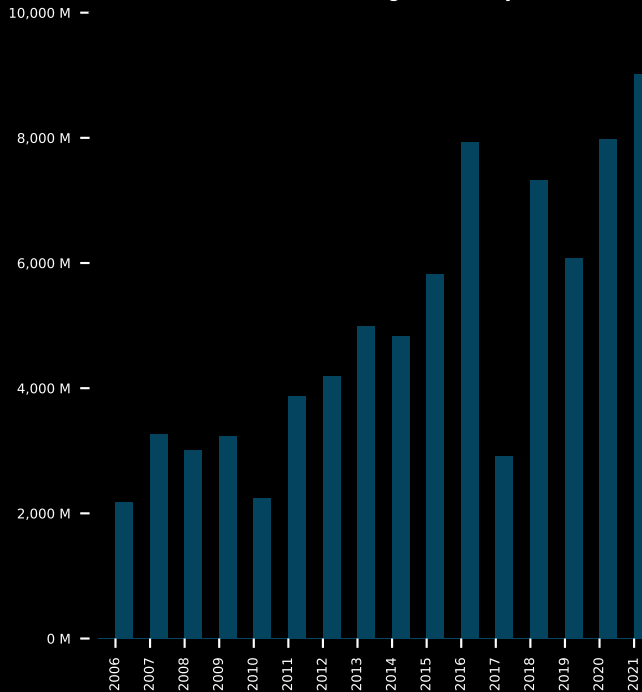
Sales, NI & Operating CF, annually



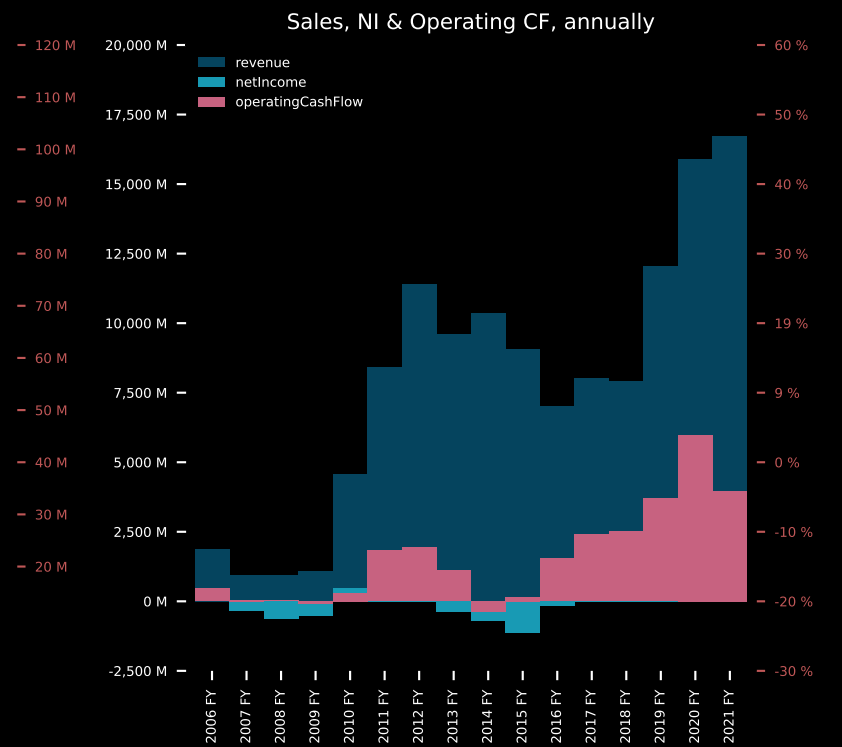
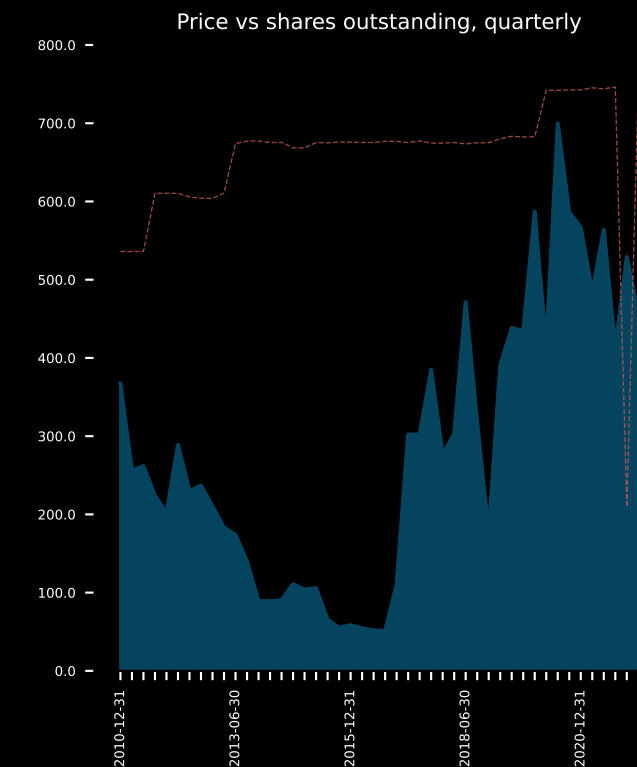
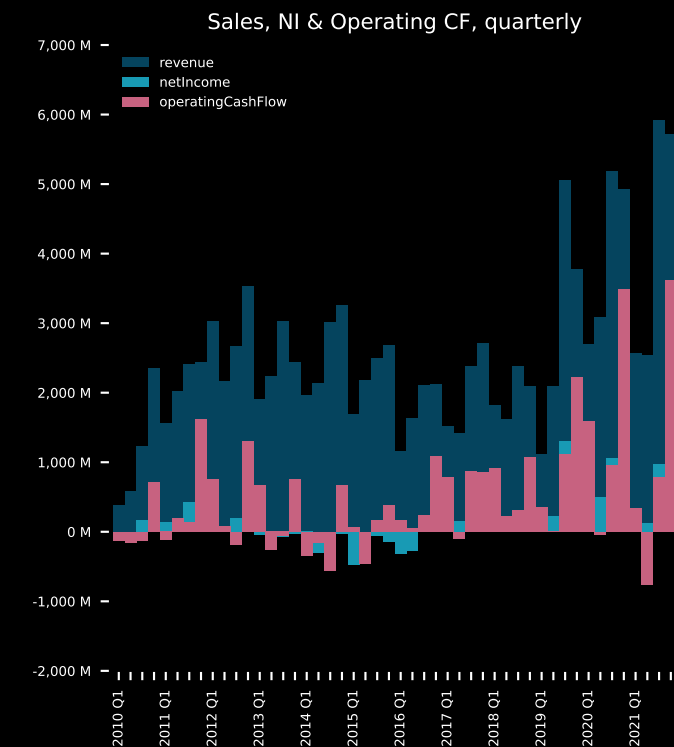
2395.TW / Computer Hardware / US / 2022-08-23



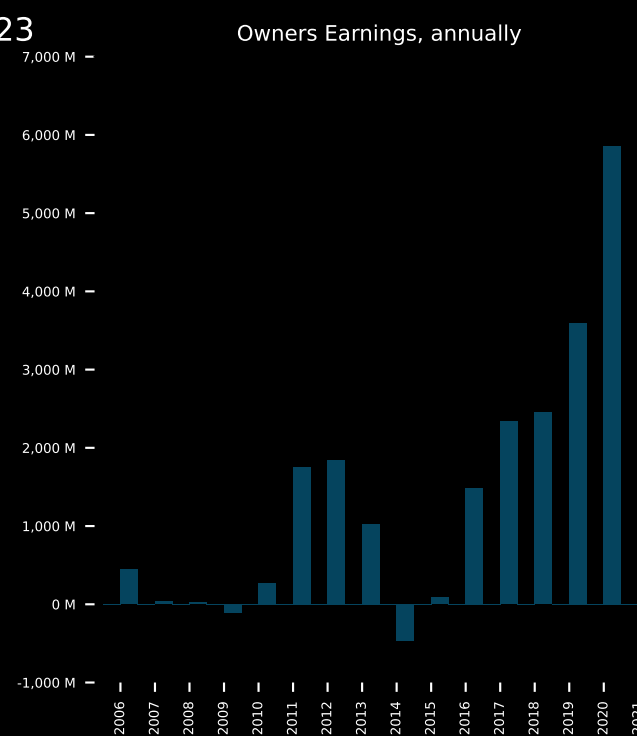
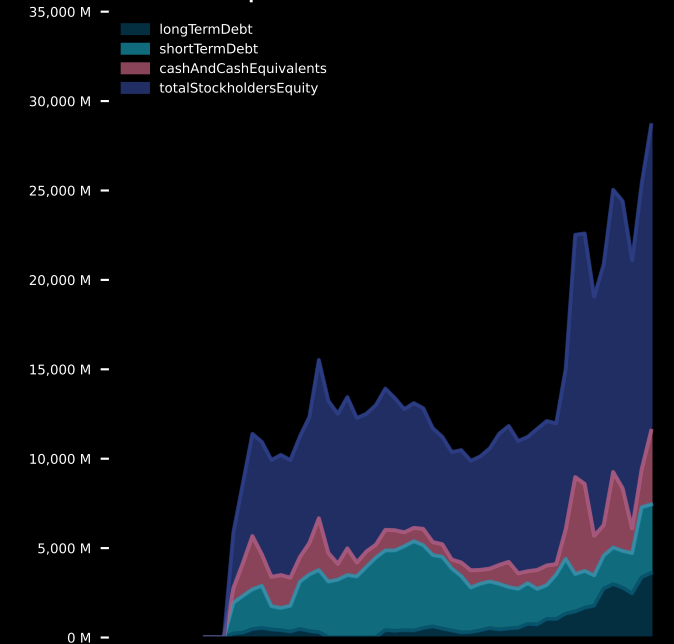
Owners Earnings, annually



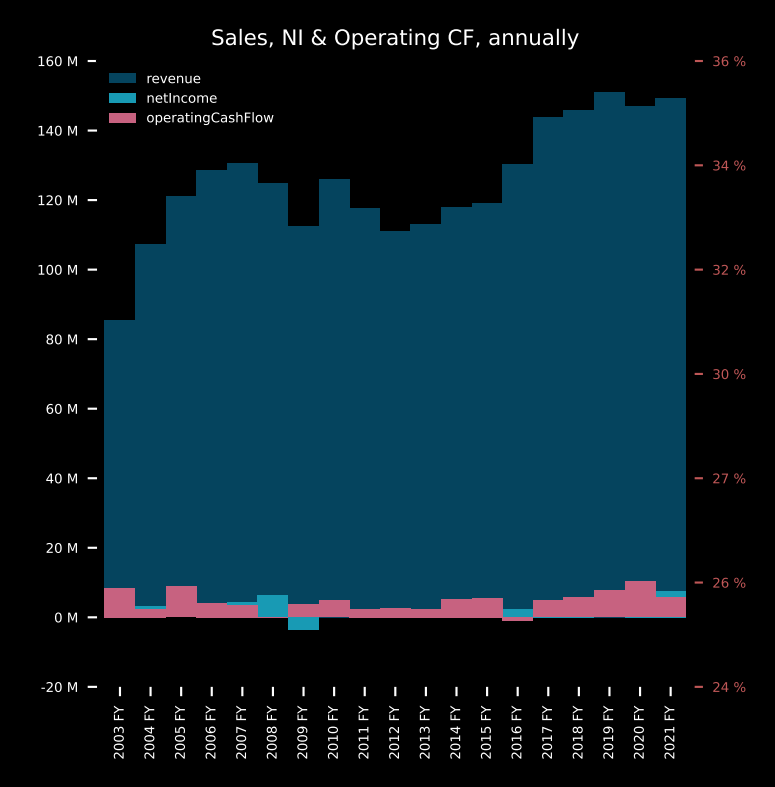
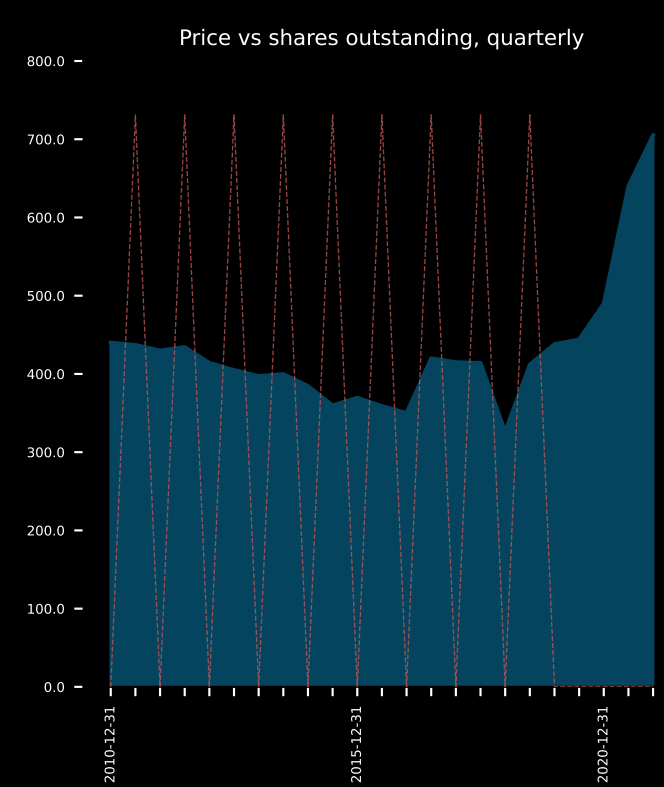
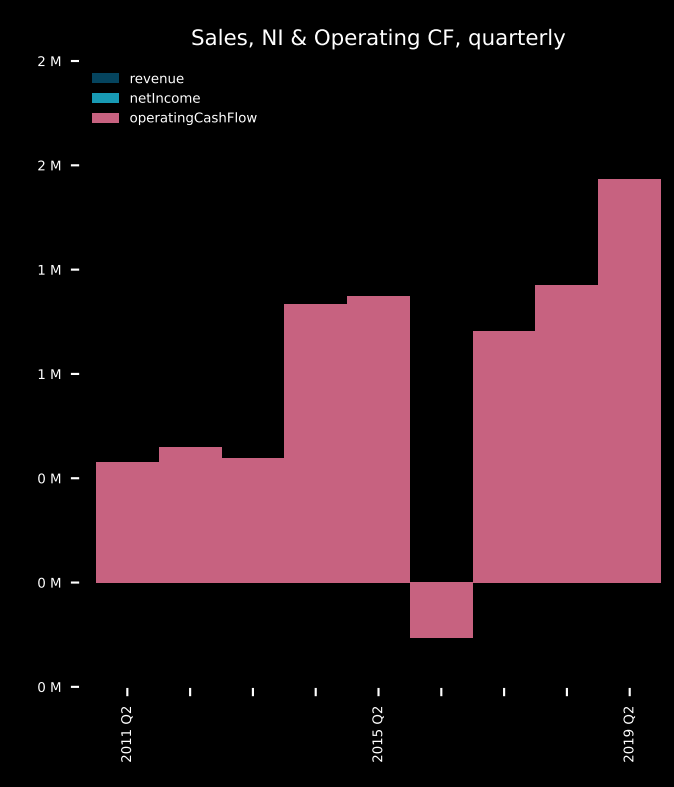
Advantech Co., Ltd. manufactures and sells embedded computing modules, industrial automation products, and applied and industrial computers in Taiwan, rest of Asia, the United States, Europe, and internationally. The company operates through Industrial Internet of Thing Services; Embedded Board and Design-in Services; Allied Design and Manufacturing Services; Intelligent Services; and Advantech Service Plus segments. It offers computer on modules, digital signage players, edge AI and Internet of Things solutions, embedded PCs and single board computers, embedded software, fanless embedded computers, gaming platform solutions, industrial display systems, industrial motherboards and wireless solutions, and RISC computing platforms. The company also provides automation controllers, certified solutions, embedded automation computers, human machine interfaces, machine automation, panel PCs, power and energy, and remote I/O and wireless sensing modules, as well as web access software and edge solution ready platform. In addition, it offers data acquisition, data I/O, and data storage solutions.



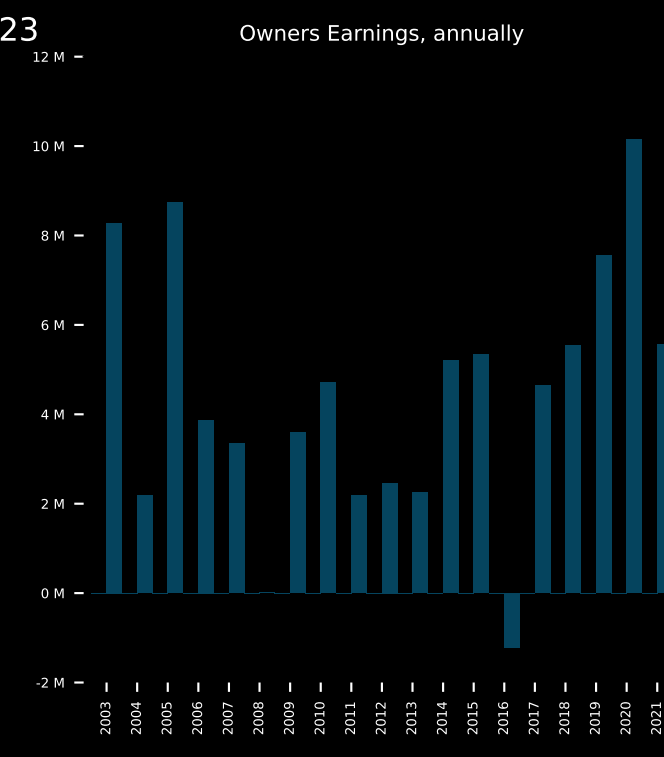
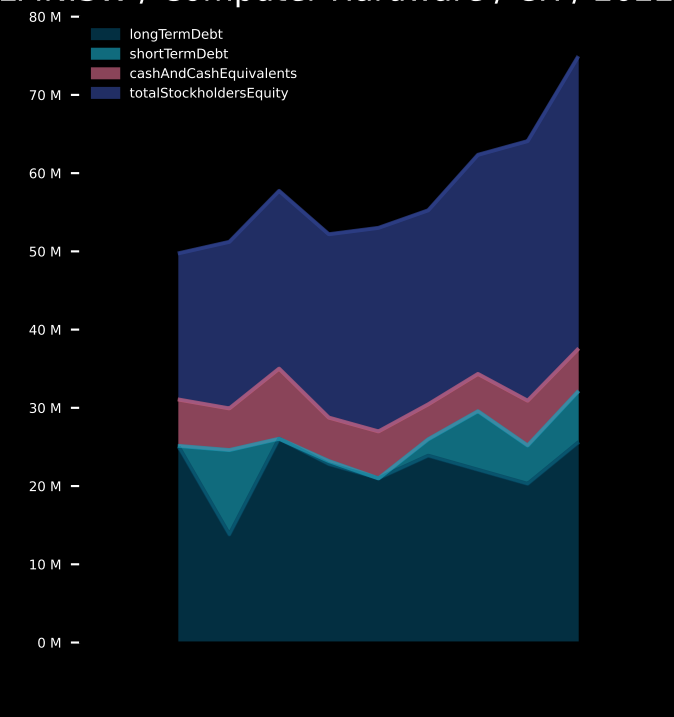
3406.TW / Computer Hardware / US / 2022-08-23



Genius Electronic Optical Co., Ltd, an optical technology company, designs, develops, and sells lenses in Taiwan. It offers mobile lenses; and VR/AR and automotive optics. The company was founded in 1989 and is headquartered in Taichung, Taiwan.



LMN.SW / Computer Hardware / CH / 2022-08-23



Elma Electronic AG manufactures and sells electronic packaging products for the embedded systems market worldwide. It offers backplanes; chassis platforms; cabinet products, including cabinets and racks, mobile carts, cases and enclosures, and accessories; and embedded boards comprising single board computers, storage modules, ethernet switches, carriers and adapters, FPGAs, and I/O and communication boards. The company also provides embedded computing systems; enclosures and components, including subracks, front panels, handles, and hardware accessories; power solutions comprising standard power supplies, modular solutions, power distribution boards, power systems, and custom development products; and rotary switches, including multi rotary switches, selector and coded switches, encoders, knobs and caps, LED'S, audio solutions, and mentor components. The company serves aerospace and defense, industrial, communications, transportation, energy, medical, science and research, test and measurement, broadcast, and audio/video industries. Elma Electronic AG was founded in 1960 and is headquartered in Metzingen, Germany.