

Schaeffler

CELEBRATES 75TH ANNIVERSARY

It is one of the greatest “Made in Germany” success stories: The global automotive and industrial supplier Schaeffler is celebrating its 75th anniversary. Dr. Wilhelm Schaeffler and his brother Dr.-Ing. E.h. Georg Schaeffler laid the foundation for today’s company when they founded Industrie GmbH in Herzogenaurach in 1946. This marked the starting point of a company that today employs more than 83,900 employees at around 200 locations in more than 50 countries. Three originally independent companies – INA, LuK and, FAG – grew together to form a global technology leader with the DNA of a family business. Accordingly, Schaeffler is celebrating 75 years of progress, technological innovation, and economic success with a virtual anniversary ceremony for all its employees as well as selected industry and government guests.



Success based on pioneering spirit, innovations, and strategic acquisitions

From 1950 onwards, the company’s rapid rise was made possible by the cage-guided needle roller bearing, a brilliant invention by Dr.-Ing. E.h. Georg Schaeffler, which revolutionized motion and mobility in the automotive and industrial sectors.

This invention laid the foundation for the company’s continuing global success. In 1965, the Schaeffler brothers decided to invest in LuK Lamellen und Kupplungsbau GmbH in Bühl (Baden), where the Automotive Technologies division is now based. The company became a technological leader with innovative products such as the diaphragm spring clutch, dual-mass flywheel as well as a variety of engine components. Since 1999, LuK has been a fully owned entity of Schaeffler.

In 2001, Schaeffler took over FAG Kugelfischer Georg Schäfer AG in Schweinfurt, making Schaeffler the world’s second-largest manufacturer of rolling bearings. The successful IPO of Schaeffler AG followed in 2015. Today, the three product brands INA, LuK, and FAG are united under the Schaeffler corporate brand.

“Schaeffler’s pioneering spirit has always been crucial to the success of the company. Even throughout its challenging phases, the company has demonstrated a high degree of resilience and a constant willingness to view profound change as an opportunity. As shareholders, we are particularly aware that this success, spanning several decades, is primarily driven by our committed employees around the globe, as

well as our customers and suppliers,” explains Georg F. W. Schaeffler, family shareholder and chairman of the supervisory board of Schaeffler AG.

Transparent and scientific handling of the company’s history

To mark the company’s anniversary, the Schaeffler family arranged for their history, which is inextricably linked to the company’s history, to be systematically researched. To that end, the family successfully engaged the services of renowned historian Prof. Dr. Gregor Schöllgen. As part of the anniversary celebrations, Schaeffler is presenting the results of the research, which also covers the period prior to the company’s founding in 1946, on a newly designed website that showcases not only the history, but also the people and the technological innovations they represent (link below). The comprehensive description and analysis entitled “Schaeffler. A biography of a family and their company” by Prof. Dr. Schöllgen will be released by the publishing house Deutsche Verlags-Anstalt in early December.

“Schaeffler has always demonstrated an extraordinary capacity for innovation and a high level of social responsibility,” says Prof. Dr. Schöllgen. “The curiosity and future-oriented focus that drove the two founders still remain the key strengths of this traditional family company today.”

Establishment of the Schaeffler Foundation

To mark Schaeffler’s 75th anniversary, Schaeffler AG and IHO Holding are establishing the Schaeffler Foundation in an effort to emphasize the social responsibility of the Schaeffler Group and its family shareholders. The Schaeffler Foundation will receive an initial foundation capital of 3 million euros, which will be established in equal parts by Schaeffler AG and IHO Holding. This capital will be increased each year through additional donations, in combination with the simultaneous incorporation of existing activities, such as the Schaeffler FAG Foundation. The Foundation will be active worldwide and concentrate primarily on three focus areas: 1) Climate and Environmental Protection, 2) Research and Science, and 3) Education, Qualification and Equal Opportunity.

With its Roadmap 2025, the Schaeffler Group has clearly positioned itself strategically with a view to the future. It consistently focuses the company, with its three divisions, on transformation in ten customer sectors in order to remain the preferred technology partner for its customers in the future. Sustainability and digitalization are at the center, supported by five focus areas around topics such as CO₂-efficient drives and renewable energies.

“As long as there is motion, there will be Schaeffler. At Schaeffler, innovation, quality, an understanding of systems, and manufacturing excellence combine to form a common and strength. With this strength and the DNA of the family-owned company, we are optimally equipped for the future,” says Klaus Rosenfeld, CEO of Schaeffler AG.

www.schaeffler.com/history

Atlanta Gear Works

GROWS TEAM WITH GEORGIA TECH GRADUATE

Atlanta Gear Works has grown its engineering team — again — with its first Georgia Tech graduate, **Corinna Draghi**. Draghi comes with two other firsts for the company: she's the first woman engineer and the first with a degree in aerospace engineering.

Draghi's first full-time job after graduation was as a mechanical engineer working with the inventor of the directly driven centrifugal shot-blast wheel. Her responsibilities included 2D- and 3D-mechanical design and project management of custom-designed heavy industrial shot-blasting machinery used for finishing structural rebar, propane tanks, heavy earth-moving equipment components and other steel and aluminum components requiring a specific finish.

In addition to hands-on experience and knowledge of fabrication and fit-up processes for heavy industrial machinery, she wrote reference and maintenance manuals, cost analyses and multi-million-dollar quotes.

"I learned a lot about hardware and grades of steel and spent a lot of time in steel mills," she said. "All of that is applicable to what we do at Atlanta Gear Works."

In reality, her mechanical engineering training started in childhood.

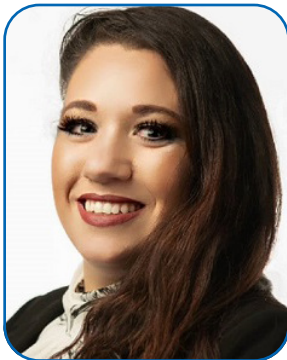
"I grew up with a machine shop in my basement," she said, referring to the shop her father operated in the basement of the family home, manufacturing labeling and filling machines for chemical companies that use bottles and conveyors.

"He built everything from memory," she said. "Ironically, what I didn't know as a child was that he was also doing gearbox repair."

Draghi joined AGW during the pandemic and immediately took advantage of every opportunity offered to her. Since joining the company, she has achieved OSHA certification and was a speaker on the Women in Manufacturing panel at the AGMA 2021 Motion & Power Technology Expo in St. Louis in September.

"I was impressed with her mix of hands-on experience and mechanical design/CAD capabilities," said Chris Dale, VP-Engineering at AGW. "Rarely do we find an engineer who has both gear and gearbox experience. Since we know we will have to train them, we look for someone who is willing to learn and will fit in with our family of engineers."

Atlantagear.com



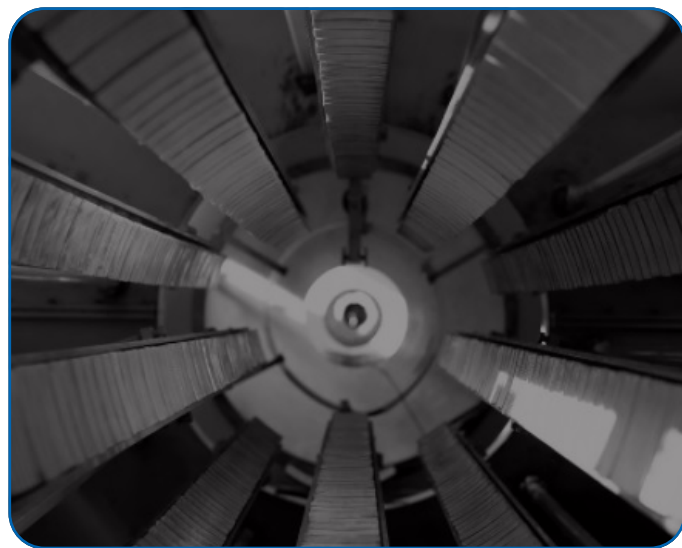
Piezo Motion and iMotion Inc.

ANNOUNCE DISTRIBUTION PARTNERSHIP

Piezo Motion and iMotion Inc. together announce a distribution partnership. Piezo Motion is a developer and leading manufacturer of precision motor technology. iMotion Inc., based in Colorado, is a manufacturer's representative serving leading original equipment manufacturers ("OEMs") for over 15 years.

Piezo Motion's unique technology will enable iMotion to provide their customers with unmatched accuracy in a compact motor. Piezo Motion's multifaceted rotary and linear motors are built to provide a stable, accurate motor that is designed specifically for OEMs that require ultimate speed, size and accuracy.

"The value of the Piezo Motion's unique technology fills a big gap in the market," explains Darl Gagliano, president of iMotion. "With traditional piezo technology, the cost was always a factor. What is exciting is Piezo Motion brings this technology into a cost-competitive mode. We are very excited for this partnership."



Piezo Motion motors are used globally for a variety of applications. These include laboratory instruments, biomedicine, optics, semiconductors, nanotechnology industries, and industrial electronic and automotive systems, along with an expanding portfolio of products that combine performance with dramatically lower cost over conventional piezo solutions.

"We are thrilled that Piezo Motion's distribution network continues to grow and this partnership will provide local service to major OEMs," said Hassan Kotob, chairman and CEO of Brain Scientific. "Piezo Motion's technology continues to disrupt the market, and we are pleased to have iMotion's expertise to further expand our reach."

Piezomotion.com

CC-Link

REACHES MILESTONE FOR OPEN INDUSTRIAL NETWORK COMMUNICATION

The CC-Link Partner Association (CLPA) has reached new heights in its aim to promote and advance state-of-the-art open industrial communications technologies. With over 4,000 active members currently enrolled, the organization offers a clear example of the key role that industrial partnerships play in the successful creation of smart factories, also known as e-F@ctories.

The CLPA, one of the fastest growing industrial automation technology organizations in the world, is well-known for developing the CC-Link IE family of open industrial networks, which are specifically designed to enable digital manufacturing strategies at the core of the e-F@ctories of the future.



The high quality and advanced technologies leveraged by the CC-Link IE range, which drive next-level performance and functionality in automation devices, is one of the main reasons behind the association's continuous worldwide expansion over the years. In effect, product vendors can rely on proven industrial communications solutions while users can benefit from a broad range from certified, interoperable automation components.

In particular, the open industrial network technologies offered by the CLPA are used as default within the entire Mitsubishi Electric portfolio. Therefore, businesses can develop automation solutions that are compatible with those of a leading industry giant. Also, they can benefit from its support to drive sales by means of global marketing activities offered through the company's e-F@ctory Alliance.

Roy Kok, senior partnerships and alliance specialist at CLPA, comments: "We couldn't be prouder to see our organization becoming increasingly popular as well as our solutions being broadly adopted to support futureproof digital transformation strategies. As we continue to add more partners and users, we look forward to helping companies worldwide create highly interconnected e-F@ctory systems that drive productivity."

www.cc-link.org/en/clpa/members/index.html

Siemens Digital

EXPANDS COLLABORATION WITH AWS FOR CLOUD-BASED DIGITAL TRANSFORMATION

Siemens Digital Industries Software and Amazon Web Services, Inc. (AWS) have announced an expansion of their collaboration, which combines Siemens' deep industry expertise with cloud services from AWS to help industrial companies accelerate digital transformation in the cloud. Together, AWS and Siemens plan to drive adoption of Siemens' Xcelerator as a Service and make Siemens' Xcelerator portfolio of integrated software, services, and application development platform more accessible, scalable, and flexible. Xcelerator as a Service acts as a catalyst for fast and predictable digital transformation—including by gaining new manufacturing insights, automating processes, and deploying connected services—and offers customizable solutions for any starting point on the digital journey.



"Siemens and AWS are coming together to help companies speed engineering efforts, optimize factory operations, and enhance customer experiences from chip to edge to cloud," said Tony Hemmelgarn, president and chief executive officer at Siemens Digital Industries Software. "We're excited to combine our proven cloud and industrial experience in this expanded partnership and simplify the journey for our mutual customers to become digital enterprises."

The strategic collaboration agreement between AWS and Siemens will see the companies cooperate to support customers; expand cloud capabilities in Siemens' Xcelerator as a Service portfolio; explore opportunities for innovation; and develop and take to market new solutions. One area of collaboration is digital twin technology, where Siemens and AWS will accelerate adoption and democratize new digital twin solutions using AWS IoT TwinMaker, a newly launched AWS service that makes it faster and easier to create digital twins that incorporate multiple data sources. Siemens' Xcelerator portfolio is already integrated with over 60 AWS services, and with the addition of AWS IoT TwinMaker, customers can apply AWS IoT TwinMaker to develop increasingly powerful digital twin solutions that are compatible with Siemens' design, simulation and manufacturing software.

"Working together, Siemens and AWS will make it easier for industrial customers to use Siemens' comprehensive digital twin technology and AWS's cloud services to deliver new

manufacturing insights, automation, and connected services,” said Bill Vass, vice president of engineering at AWS. “Together, we’ll bring new cloud-based digital transformation solutions to market that will help companies of any size address industrial complexity and turn it into competitive advantage.”

www.sw.siemens.com

Xometry

ACQUIRES THOMAS

Xometry has announced the acquisition of Thomas (**Thomasnet.com**), a leader in product sourcing, supplier selection and digital marketing solutions. The cash and stock transaction, valued at \$300 million, is expected to close this week. Xometry’s rapidly growing digital marketplace provides real-time access to global manufacturing capacity and demand, helping accelerate the digitization of the manufacturing industry.



The acquisition of Thomas is expected to rapidly expand Xometry’s buyer and seller base, significantly enhancing Xometry’s global digital marketplace for manufacturers. Xometry also expects to leverage Thomas’ marketing and data services to deliver an unmatched suite of end-to-end services for sellers with additional fintech and digital marketing products.

“Xometry and Thomas share a common mission of championing the digital transformation of the manufacturing industry, one of the largest sectors of the global economy and the foundation for innovation everywhere,” said Randy Altschuler, CEO of Xometry. “Thomas brings strong brand equity, trusted and extensive relationships, proprietary data and advanced full-funnel marketing services – assets that perfectly complement our digital marketplace. Together, we will introduce new services, cross-sell to our combined base and expand our suite of products, particularly in fintech and digital marketing.”

“Thomas has a long and proud history of bringing active buyers and sellers together on our Thomasnet.com platform and providing the data and marketing services that inform decision-making,” said Tony Uphoff, President and Chief Executive Officer of Thomas. “In joining forces with Xometry, we’re uniting our products with the power of the Xometry marketplace so we can do even more for industry together.”

An industry leader in on-demand manufacturing, Xometry connects enterprise buyers across industries such as aerospace, consumer products, defense, industrial, automotive, medical, energy, robotics, green-tech and more with sellers of custom-manufactured parts worldwide. At the end of Q3 2021, Xometry had 26,187 active buyers, including nearly 30% of the Fortune 500. Leveraging AI and machine-learning

technology, the Xometry marketplace provides immediate pricing, delivery lead times and quality assurance in a highly fragmented environment, as well as a suite of financial products that enable manufacturers to grow their businesses.

Thomas brings deep relationships with highly qualified enterprise buyers and engineers. The company’s industry leading Thomasnet.com platform boasts more than 1.3 million registered users (including 93 percent of Fortune 1000 companies) and more than 500,000 commercial and industrial sellers, including 45,000 diversity certified sellers. Every year, more than 20 million sourcing sessions are initiated on Thomasnet.com, generating extensive first-party buyer intent data across multiple sectors.

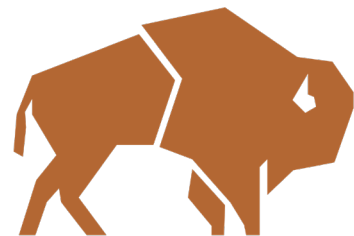
Xometry.com

Regal Rexnord

ACQUIRES ARROWHEAD SYSTEMS

Regal Rexnord recently announced that it has completed the strategic acquisition of Arrowhead Systems (“Arrowhead”), based in Oshkosh, Wis.

Arrowhead is a global leader in providing industrial process automation solutions, including conveyors, palletizers and depalletizers to the food and beverage, aluminum can and consumer staples (household goods, hygiene products, among others) industries. Arrowhead’s broad and deep capabilities in palletizing and conveying include a full suite of aftermarket services and solutions, which have been augmented through robust digitization investments to support industrial internet of things (IIoT), artificial intelligence (AI) and predictive maintenance capabilities.



ARROWHEAD SYSTEMS LLC

A Regal Rexnord Company

Commenting on the transaction, Regal Rexnord CEO, Louis Pinkham, said, “Strategically, Arrowhead is everything Regal Rexnord looks for in an acquisition. It increases our exposure to attractive, high-growth end applications. In addition, its highly engineered products and solutions, including digital capabilities, are differentiated and highly valued by its customers. Arrowhead’s growth strategy is also consistent with our mindset of driving innovation with purpose — purposeful for our customers and for our planet — considering its offering directly supports rising consumer demand for more environmentally friendly packaging, particularly a migration away from single-use plastics to aluminum cans.

“Regal Rexnord and Arrowhead have highly complementary

offerings that are expected to deliver enormous value to our customers. We are particularly excited about the complementary nature of Arrowhead and our ModSort modular transfer and diverter stations, which are fast becoming important ‘last-mile’ components in e-commerce warehouse applications, but have much broader applicability in other end uses, including those where Arrowhead focuses,” added Pinkham.

Regal Rexnord’s innovative ModSort modular transfer and diverter stations can be easily added into new or existing conveyor systems to provide high-precision, 360-degree steering functionality for very lightweight items, such as polybags. ModSort modules, along with Regal Rexnord’s offerings of conveyor belts, chains, guides and components—now coupled with Arrowhead’s conveying and palletizing subsystems and its design, fabrication and assembly capabilities—position the company to offer more value-added solutions to its customers, and do so in a broader array of end applications.

www.regalrexnord.com

Motion

COMPLETES ACQUISITION OF KAMAN DISTRIBUTION GROUP

Motion Industries, Inc. has completed the purchase of Kaman Distribution Group for a purchase price of approximately \$1.3 billion in cash, effective January 3, 2022.



The strategic addition of KDG to Motion will significantly boost the latter’s concentration in core industrial products and services as well as in the growing technical/automation arenas, including precision engineering. As a leading power transmission, automation and fluid power industrial distributor and solutions organization with operations throughout the U.S., KDG provides electro-mechanical products, bearings, power transmission, motion control and electrical and fluid power components to MRO and OEM customers. Headquartered in Bloomfield, Connecticut, KDG’s 1,700 employees serve more than 50,000 customers.

“It’s a very exciting time; this transformative move will be highly beneficial to everyone involved, especially for customers of our combined entities,” said Motion President Randy Breaux. “Our customer service will be the best it’s ever been with deepened and expanded capabilities. In addition, KDG shares many of our same cultural beliefs, principles and ambitions, including our commitment to providing superior service and value to our customers. We look forward to welcoming the highly talented KDG associates to the Motion team.”

www.motion.com

Nook Industries

SELLS FAMILY BUSINESS TO ALTRA INDUSTRIAL MOTION CORP.

Nook Industries, Inc. has announced that it has sold the family-owned business to Braintree, Massachusetts based Altra Industrial Motion Corp. The Nook business, which will be integrated into Altra’s Thomson operating company in its Automation & Specialty (“A&S”) segment, expands the



breadth of Altra’s linear products offering. Altra was deemed an excellent strategic fit as the Nook family evaluated potential suitors to acquire the 52-year-old business founded by Joseph H. Nook Jr. in 1969.

“The Nook family is pleased to have found a strong strategic buyer with a history of not only preserving, but also building upon the products, brand equity and core competencies of their acquisitions. We are excited about the tremendous opportunities created by joining Altra’s industry leading suite of motion control products and brands. It was important for us to find a buyer that would build upon my father’s legacy” said Joseph H. Nook III, Nook’s chief executive officer and president. “We also want to thank the Nook employees, past and present, that helped build my father’s dream into the Company it is today. Our family will be forever grateful to the dedicated and hard-working employees of Nook Industries.”

KeyBanc Capital Markets, Inc. acted as financial advisor to Nook and Calfee, Halter & Griswold LLP served as legal advisor.

www.altramotion.com