

Trescal

ACQUIRES PRECISION METROLOGY INC.

Trescal recently announced the acquisition of Precision Metrology Inc., a calibration services provider based in Wisconsin and Florida. This transaction consolidates Trescal's geographical footprint and technical coverage in the United States and has been completed with the support of Ardian, its majority shareholder.

Founded in 1980 and headquartered in Milwaukee, Precision Metrology is A2LA-accredited and has strong technical skills in dimensional, DC/Low Frequency, thermodynamics, and mechanical/dimensional repair. With a turnover of around \$11 million, the company employs around 90 people and is mostly active in the Utilities, Aeronautics and Life Science sectors.



Precision Metrology's founder, Carol Shipley, will remain in her current position to continue leading the growth of the business in the coming years. This acquisition will bring Trescal's portfolio in the United States to 15 calibration laboratories, with over 400 employees.

It is the 16th acquisition since Ardian became its majority shareholder in July 2013. Deputy CEO Guillaume Caroit, at Trescal said, "The acquisition will allow us to strengthen our position in the Great Lakes area as well as in Florida. The strong technical skills and the leading and young management team are key assets for our development in the USA."

Shipley added: "We are a robust and mature calibration laboratory with a strong history in the industry serving our customers for 36 wonderful years. We are proud to become part of Trescal and will continue to strive and exceed our customers and our new owners expectations."

Kathy Boyd, president Trescal Inc. said: "We are very excited to have Precision Metrology as part of the Trescal U.S. organization. The years of experience, breadth of capabilities and services they provide to their customers will be a great addition to our offering."

Thibault Basquin, managing director Ardian Mid Cap Buyout, added: "This transaction fits perfectly with Trescal's development strategy in North America. Both Ardian and Trescal follow an ambitious roadmap, with a view to accelerating external growth. This has continued to prove its efficiency with what is the 16th acquisition since we invested in the company."

Wenzel America

PROMOTES DREW SHEMENSKITO PRESIDENT

Wenzel America is proud to announce the promotion of **Drew Shemenski** to position of president of Wenzel America. Having spent the last two years as regional sales manager – Midwest for Wenzel, Shemenski succeeds Andy Woodward, who has been promoted to Wenzel Group marketing director. "I am eager to continue the growth and innovation which have been hallmarks of Wenzel America's success over the past several years," says Shemenski. "We also look forward to the launch of new products and technologies which will support the growth of Wenzel not only as a trusted, local partner, but also a global leader in our market."



Drake Manufacturing and Sanwa

ESTABLISH SALES AGREEMENT FOR JAPAN

Drake Manufacturing Services Co., LLC and Sanwa Seiki Co., Ltd. have formally established a sales agreement for Japan and for other designated regional Asian countries excluding China, Taiwan and Korea. This agreement provides sales, marketing and support related to all thread grinding solutions offered by Drake.

Drake is recognized globally for designing, building, automating, and servicing state-of-the-art production systems for manufacturers of parts with threads. Specifically, it provides turn-key solutions for production of ultra-high precision internal and external threads, steering gears, taps, gages, ball nuts and screws, and worms.



Anthony Tully, Drake general manager Asia, states, "Our partnership with Sanwa Seiki directly follows the opening of our new Regional Sales and Service office in Tokyo to expand Drake's Asia presence in the steering systems, aerospace, cutting tool, speed reducer, ball screw, and linear motion industries."

Established in 1950, Sanwa Seiki has a solid reputation in automotive and other key industries, and has the technical and product knowledge that customers have come to expect from the Drake brand. With its principal office in Nagoya, Japan, Sanwa Seiki is well positioned to bring Drake's service to its Japanese customer base.

LMC Workholding

INTRODUCES NEW GLOBAL PARTNER
ROTOMOTORS AT IMTS 2016



LMC Workholding is introducing its newest global partner, Rotomors of Turin, Italy, at IMTS. LMC will be showing a new 2.2-meter automatic self-centering, down-clamping chuck from Rotomors. Also in Booth No. W-1314, will be a variety of LMC's workholding product line, including face drivers, wheel chucks, cylinders, steady rests, specialty workholding products and more.

LMC Workholding celebrates 100 years of engineering and manufacturing in 2016. LMC makes all types of workholding with a heavy emphasis currently on Rotational Workholding and Aluminum Wheel Manufacturing Systems. LMC's products include standard and special chucks and cylinders up to 7 meters in diameter, manual and hydraulic steady rest systems and integration, face drivers, centers and many other types of standard and super precision chucks, cylinders and fixtures. LMC has global reach and partnerships with additional manufacturing and service in Sweden, Germany, Austria, Italy, Taiwan and China.

KISSsoft

Calculation programs for machine design



NEW

Release
03/2016

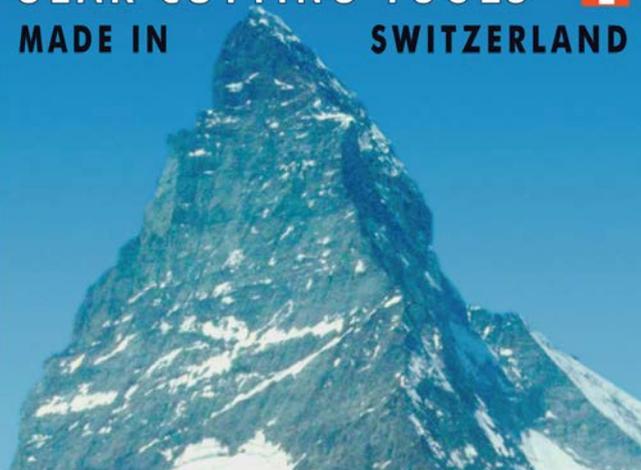
KISSsoft Highlights

- Optimized 3D modeling in KISSsys
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- Bevel gear contact analysis with shaft influence
- And many more ...

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Ajax TOCCO

APPOINTS GENERAL MANAGER OF AFTERMARKET SALES

Ajax TOCCO Magnethermic welcomes **Joe Hawkins** as General Manager of Aftermarket Sales. Hawkins brings over 20 years of induction melting and heating expertise to the company. His entire career evolved within the metals industry, beginning with Lectrotherm, Inc. in 1991. Hawkins most recently served as Director of Sales for ReMelt Scientific.



A graduate of Kent State University, Hawkins later earned his MBA from Malone University. Joe and his wife Lore reside in North Canton, Ohio with their three children.

Ajax TOCCO proudly maintains a team of highly skilled technicians strategically located throughout the world to repair and maintain Ajax TOCCO equipment as well as competitors' equipment. In addition, the Company houses a large inventory of parts for all of their equipment including older units and some competitor equipment.

DOE & IHEA

RELEASE HEATTREATING SOURCEBOOK

Improving Process Heating System Performance: A Sourcebook for Industry, 3rd Edition is now available for download. This Sourcebook is part of an initiative under the U.S. Department of Energy (DOE) Industrial Technologies Program (ITP) and the Industrial Heating Equipment Association (IHEA) which began more than ten years ago when the first Sourcebook was published. The ITP and IHEA undertook this project as part of a series of Sourcebook publications on industrial utility systems. Other topics in this series include compressed air systems, pumping systems, fan systems, steam systems and motors and drives.

This sourcebook describes basic process heating applications and equipment and outlines opportunities for energy and performance improvements. It also discusses the merits of using a systems approach in identifying and implementing these improvement opportunities. It is not intended to be a comprehensive technical text on improving process heating systems, but serves to raise awareness of potential performance improvement opportunities, provides practical guidelines, and offers suggestions on where to find additional help.

IHEA's mission is to provide services that will enhance member company capabilities to serve end users in the industrial heat processing industry and improve the business performance of member companies. Consistent with that mission, IHEA supports energy efficiency improvement efforts that provide cost savings, performance benefits, and other competitive advantages that enable success in the global marketplace.

Improving Process Heating Performance Sourcebook is available for download at no charge on the IHEA website, www.iheta.org. Click the Publications tab and scroll down to Books.

FANUC America

EXPANDS CNC TRAINING PROGRAM

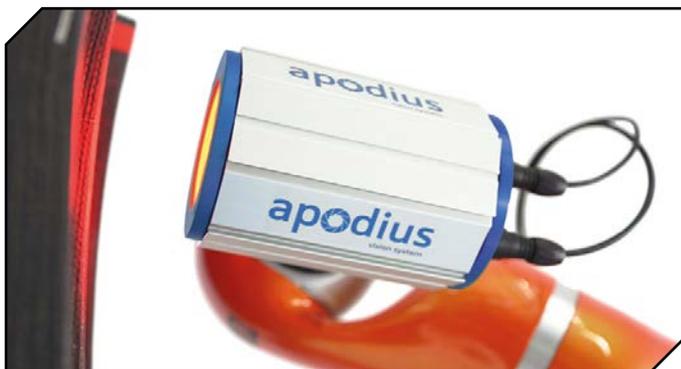
FANUC America, a provider of CNC, robotics and factory automation solutions, is expanding its CNC training program with additional course offerings and significant facility upgrades. FANUC currently offers a wide range of training courses covering CNC maintenance, operations and programming, servo and laser maintenance, Ladder/PMC editing, FANUC Picture Development, G-code programming, custom macro programming, conversational programming and more. FANUC training courses include hands on instruction and real-world troubleshooting and are taught by experienced professionals who have been trained at FANUC headquarters in Japan.

FANUC training program improvements include: New online training courses including mill, lathe, and custom macro programming courses as well as general maintenance and integrator training, more than 50 new CNC systems were purchased for classroom training, new training facility in Auburn, WA (Seattle) and classroom upgrades at the Huntersville, NC (Charlotte) and Rochester Hills, MI (Detroit) facilities, machine tools with FANUC controls installed at several FANUC locations for use in select classes.

Hexagon AB

ACQUIRES APODIUS GMBH

Hexagon AB recently announced the acquisition of Apodius GmbH, a start-up specialized in measurement solutions for fiber composite components. Based in Germany, Apodius was founded in 2012 and serves original equipment manufacturers (OEMs) as well as suppliers in the automotive, aerospace, electronics and appliances industries with the development, production and integration of measurement solutions for carbon fiber. Carbon composite materials are enablers for lightweight structures in various high-growth fields like aerospace, automotive and renewable energy. Furthering Hexagon's strategy to expand its expertise and portfolio to support current and



future manufacturing trends, the Apodius acquisition adds core capabilities to support the implementation of measurement solutions in multi-layered textile reinforced structures for extremely light, rigid and robust fibre composite components. "The requirements for composite fibre inspection go beyond the classical dimensional metrology which Hexagon's current offering provides," said Hexagon Manufacturing Intelligence President Norbert Hanke. "Apodius' solutions offer a perfect complement to our portfolio, in terms of technology and application expertise." Apodius Co-CEOs, Alexander Leutner and Jonathan Roberz, added, "Providing highly-accurate positioning data, Hexagon's solutions fit perfectly to our sensors. Furthermore, joining Hexagon is a great opportunity to bring our technology to composite production lines all over the world."

GMTA CELEBRATES 25TH ANNIVERSARY

German Machine Tools of America (GMTA) celebrated the company's 25th anniversary during the IMTS (International Manufacturing & Technology Show) in Chicago.



(left to right) Buchholz, Knoy, Hambleton and Friedrich.

The celebration took place aboard the Anita Dee II, a private yacht charter, on Wednesday evening after the show concluded for the day. A crowd of over 150 customers and business associates boarded the yacht on the east end of McCormick Place for an evening of wining & dining while cruising the waters of Lake Michigan. The evening was hosted by Walter Friedrich, president of GMTA, Scott Knoy, vice president of sales, and Claudia Hambleton, CFO.

Friedrich welcomed the excited crowd with a short speech thanking them for their support over the last 25 years. He gave a bit of company history and mentioned the recent opening of their newest office in Queretaro, Mexico.

Guests enjoyed a lavish dinner buffet, open bar and the music of a live band playing tropical party music while cruising Lake Michigan on the elegant Anita Dee II. The ship cruised along the illuminated Chicago skyline, past Buckingham Fountain and along Navy Pier for several hours before returning guests to Navy Pier.



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Situated in Jiangyin City of Jiangsu Province, China, Jiangyin Ke'an Transmission Machinery Co., Ltd. is a dedicated manufacturer of high-precision bevel gear and machinery parts with 17 years' experience. The company possesses 8 units of US Gleason bevel gear grinding machine, gear milling machine, heat treatment instrument and over 80 units of other auxiliary equipment. With gear processing module ranging from 2 to 30 and gear grinding diameter of 30-980mm, the maximal precision is up to US AGMA13. The company has been US ABS, French BV and CCS - certified.

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Maprox WELCOMES NEW CEO

As a planned successor, **Adrian Zwirner** took over from the long-time owner **Max Maurer** as CEO of Maprox GmbH effective September 1, 2016.



Zwirner has been working in mechanical and plant engineering for nearly 20 years and has been able to work up a solid track record in international sales and in the management of renowned, globally-active Swiss companies.

The graduate mechanical engineer is therefore extremely well-prepared and is looking forward to his new challenge. "I have considerable interest in managing the company as sustainably and carefully as Max Maurer has done up to now. I'm particularly pleased that we complement each other so well and that Max will remain in the company for awhile to deal increasingly with the subject of innovation. Our mutual level of trust is extremely high," said Zwirner.

Maurer and Zwirner got to know each other at the beginning of the year and have carefully prepared the changeover at the top to guarantee a new start with the least-possible problems and to set up considerable reciprocal trust. With minimal employee fluctuation over the years, the Maprox team has mastered a crisis or two and even increased its strength after the so-called Swiss Franc shock in January 2015.

Maurer will be comprehensively familiarizing the new CEO over the coming period and will continue to drive product development forward during a transition phase within the company.

For example, Maprox has reworked its pneumatic clamping chuck (PM ER32) by popular demand. It is now 25 percent narrower, still only pneumatically-operated (without springs) and at only 5 micron repeat accuracy can also be used with rotation on request. It is particularly suitable for laser processing.

Maprox GmbH produces customer-specific and high-precision clamping devices in the international market. Long-term customers include well-known automobile suppliers, clock manufacturers, instrumentation manufacturers and optic specialists. Maprox is represented in the United States by Rotec Tools, Mahopac, New York,

SMT ANNOUNCES FORMATION OF SMART MANUFACTURING TECHNOLOGY JAPAN LTD.

SMT is proud to announce the formation of Smart Manufacturing Technology Japan LTD. (SMTJ), a subsidiary of SMT. The new office in Japan is the latest installment of the company's expanding reach worldwide.

A lot of Japan's excellent development and manufacturing companies in aerospace, automotive, bearing, marine, off-highway, rail and wind, were founded by engineers full of monozukuri spirit. That spirit will be the bedrock on which bonds will be built and nurtured between SMT and its customers. SMTJ will support these engineers and the Southeast Asia area from this new Japanese hub.

David Beedan, director at SMT, says "The opening of a new business unit on the Asian continent will substantially help keep close ties and build stronger relationships with our customers across the globe. With growth comes exciting opportunities and I have full confidence that the new and experienced team in Japan will deliver and exceed the SMT values."

"As well as provide support and services to customers in Japan, the team will help open more doors to culturally proximate markets as well as provide greater access to sectors on the Australasian continent," he added.



Kapp Technologies

TAKES MAJORITY OWNERSHIP IN PENTA GEAR METROLOGY

Kapp Technologies announces it has become majority partner in Penta Gear Metrology, LLC.



Penta Gear Metrology LLC builds both functional and analytical gear measuring systems used in most gear manufacturing plants from automotive transmissions to industrial drives. The Dayton, OH company is known for innovative design and modern intuitive software. Penta Gear Metrology (formerly Pentagear Products and PECO) pioneered the gear analyzer technology with advances in software and motion control systems beginning in 1999. Penta Gear Metrology proudly serves Pentagear and PECO customers on four continents and is highly regarded for support. President Marvin Nicholson has led the company through the transition and remains a partner.

“The partnership with Kapp Technologies expands opportunities for us and provides resources to accelerate our new developments,” said Nicholson. “We are excited to introduce the PGM400 at IMTS 2016. It is the larger and faster brother to the smaller ND products.”

Penta Gear Metrology also offers a retrofit or “REPOWER” of certain used gear analyzers. The PGM motion system and soft-

ware is adapted to provide a cost effective solution for gear manufacturers. Penta Gear Metrology LLC is ISO 9001, ISO14001 & QS 9000/TE Registered.

“This was a natural progression for us,” says Bill Miller, vice president sales at Kapp Technologies, “With Penta Gear Metrology we now serve our entire market with analytical gear inspection systems. Penta Gear is a perfect fit with the larger systems of R&P Metrology Systems.”

Bodycote

ACQUIRES NITREX METAL TECHNOLOGIES AND RELOCATES TEXAS FACILITY

Bodycote has acquired Nitrex Metal Technologies. Nitrex Metal Technologies specializes in precision gas nitriding and ferritic nitrocarburizing in both batch and continuous forms. Continuous gas nitriding and ferritic nitrocarburizing are unique in the industry and are particularly suited to high-volume

automotive work. The addition of Nitrex Metal Technologies to the Bodycote Group broadens the range of thermal processing services that Bodycote offers, which already range from conventional atmosphere heat treatments like batch IQ, vacuum, and induction to more exotic specialty technologies like LPC, BoroCote, and Corr-I-Dur.

“Nitrex Metal Technologies is a great addition to the Bodycote Group. Along with the rest of Bodycote’s existing service offerings, this acquisition really cements our position as the go-to expert source for all things nitriding,” said Dan McCurdy, president of Bodycote Automotive and General Industrial Heat Treating in North America and Asia.

Additionally, Bodycote has announced plans to open a new Dallas/Fort Worth, Texas location in Haltom City. The existing Fort Worth business, on Montgomery Street, will be relocated due to redevelopment of the area. A new heat treatment facility is being constructed in Haltom City and a ground breaking ceremony took place at the new location on August 26, 2016, attended by The Honorable Mayor David Averitt and other Haltom City Council members.

Bodycote is in a strong position to continue supporting its supply chain partners in the Dallas / Fort Worth area, with ample capacity and a diverse set of capabilities to meet their specific needs. The new facility will hold international quality standards including Nadcap, AS9100 and ISO9001, as well as OEM approvals.