Gleason

EXPANDS ACCREDITED CALIBRATION SERVICES

Gleason Metrology Systems' Gear Calibration Lab now features an enhanced quality system and ISO/IEC 17025:2017 accreditation, lower measure measurement uncertainties, and more comprehensive A2LA accredited calibration services with the addition of the latest Gleason 300GMSL Gear Measuring System and GAMA 3.2 analytics software.

The 300GMSL gear measurement system is now commissioned to provided accredited calibration of new parameters and ranges including diameters of plain cylinders and rings, dimension over/under balls, and tooth thickness, on gears and splines diameters up to 300 mm.

Additionally, the lab provides length measuring capabilities, reduced length measurement uncertainties for diameter, dimension over/under pins as well as calibrate sphere roundness for precision spheres including diameter and roundness up to 25 mm diameter spheres.

With the addition of these new services, expedited calibrations can now be provided in less than seven days on request. Services include the supply of new master storage cases and a wealth of non-accredited contract services for gears, splines, and spiral bevels up to 400 mm diameter.

Gleason Metrology Systems can also provide A2LA Accredited on-site calibration of analytical gear and spline measurements regarding gear involute and helix. (*www.gleason.com*)

Klingelnberg

NOMINATED A SECOND TIME FOR BEST OF INDUSTRY AWARD

Initiated by the trade magazine *mm Maschinenmarkt*, the highly visible "Best of Industry" platform showcases the year's outstanding industry products and recognizes the "best of the best" of these with the "Best of Industry Award," now in its fifth year. In 2018, Klingelnberg received the coveted trophy in the "Industry 4.0" category for its cyberphysical gear production system. This year, Klingelnberg is a contender in the "Measuring and Testing Technology" category with its G Variant Precision Measuring Center for measuring multi-dimensional and complex components. On April 6, the industry magazine opened an online poll for readers to choose their favorites from among the nominees.

Top accolades were achieved for the "Best of Industry Award" again in 2020, by way of a month-long vetting process for innovative solutions that had won an industry award, had been shortlisted or had attracted the most interest for their novel qualities from *maschinenmarkt.de* readers between January 1 and December 31, 2019. Klingelnberg won the reader-interest nomination by earning the most clicks for its reporting on the complete measurement of complex components. "We are extremely proud to have been nominated a second time for the Best of Industry Award," said a delighted Martin Boelter, COO of the Klingelnberg Group. "This reaffirms that we get to the heart of innovation."

Whether turning blanks, ground workpieces or rolling bearings – Klingelnberg G Variant Precision Measuring Centers are specifically designed for use in the production process of axially

symmetrical components. With these machines, Klingelnberg follows the approach of executing various measurement processes in one stage as a complete measurement (done in one). A Klingelnberg Precision Measuring Center is capable of fast measurement of dimensions, shape, contour and surface roughness in one automated cycle. This reduces the investment costs and helps to reduce the process costs.

Furthermore, Klingelnberg Precision Measuring Centers also ensure the required measuring accuracy if they are used directly in production. As a result, not only does this save on air-conditioning costs, but the measuring center can also be directly integrated into the production process. This eliminates the need to set up several different machines, saving valuable production space. With its G Variant Precision Measuring Center, Klingelnberg is therefore making a significant contribution to reducing quality costs.

Readers of the industry magazine and an independent jury of experts can now choose the winners of the "Best of Industry Awards" from among the nominees. The final result is based on a 50 percent weighting of the jury portion and a 50 percent weighting of the online reader survey.

"We are hoping once again for active participation on the part of the readers and will of course be very pleased if as many of them as possible choose to cast their vote for us," said Dr. Christof Gorgels, head of the precision measuring center business division. The online survey is expected to remain open at the website below until beginning of June 2020.

The winners of the "Best of Industry Awards" will be honored on June 25, 2020. (*www.klingelnberg.com*)

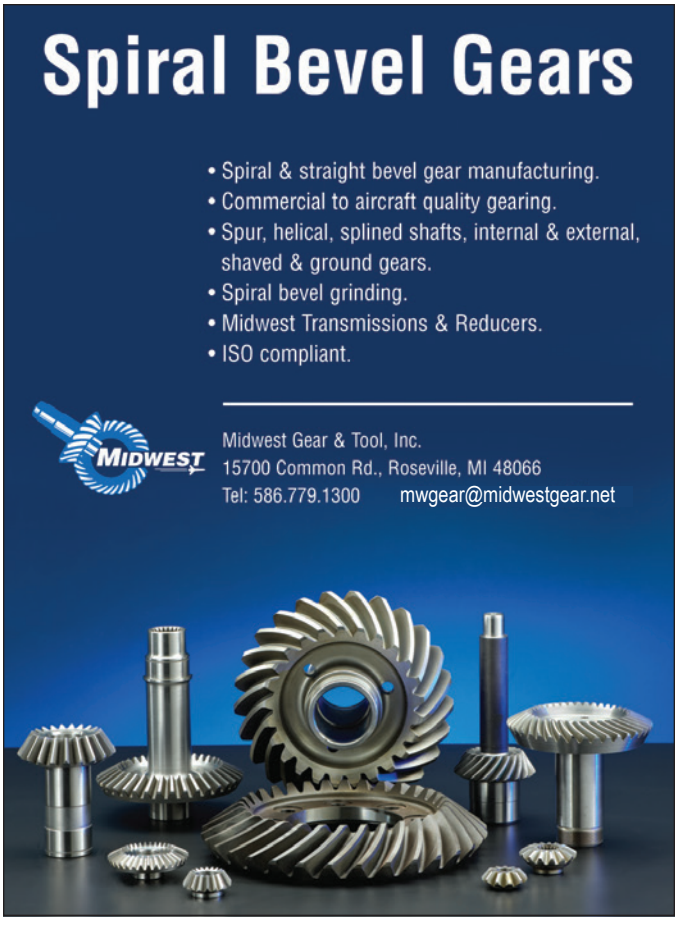
SMW Autoblok

WELCOMES THOMAS AS TECHNICAL OPERATIONS SENIOR MANAGER

SMW Autoblok recently announced that **Shaun Thomas** has rejoined their Wheeling, Illinois, company as technical operations senior manager. Thomas brings over 15 years of experience and technical knowledge in engineering and workholding in addition to leadership and development to his new senior role with SMW Autoblok.

As technical operations senior manager, Thomas leads the continued development and execution of the company's technical workholding and project management including implementing Continuous Improvement Processes. Focusing on engineering, quality and custom solutions, Shaun leads our production and engineering team to ensure that SMW Autoblok's products meet and exceed customer requirements for quality and timeliness.

"Shaun is an asset to our growing engineering and technical team, and we are happy to have him back at our company," said Ron Shibovich, president – operations division. "His many years of experience and expertise in engineering, workholding, PDM and ERP will serve us well."

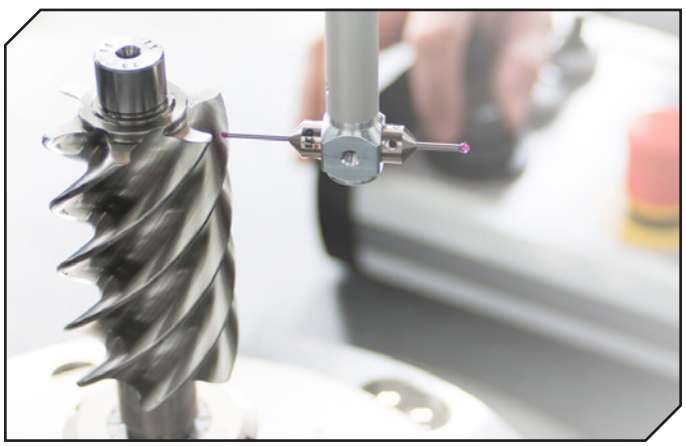


Prior to his role with SMW Autoblok, Thomas worked as senior manager, engineering manufacturing for Kitagawa Northtech. He also previously worked for over a decade at SMW Autoblok as engineering supervisor where he managed and mentored a four-person engineering team and oversaw quality control operations. He holds an M.B.A. from Capella University and a B.A. in Industrial Technology from Northern Illinois University. Thomas currently resides in Arlington Heights, Illinois, in the neighborhood where he was born and raised with his wife and two young sons. (*www.smwautoblok.com*)

Kapp Niles

ACQUIRES METROTEK GMBH SOFTWARE RIGHTS FOR SPECIFIC MACHINES

Kapp Niles Metrology GmbH has acquired rights use Metrotek's software.The employees at the Karlsruhe location were successfully integrated into the Kapp Niles Metrology team. Evaluation software is the central element of a gear measuring machine in addition to the high-precision mechanics and control technology. Kapp Niles stationary machines can be used to measure gears, gear cutting tools and rotationally symmetrical components from 6 up to 6,000 mm in diameter. (*www.kapp-niles.com*)



KISSsoft

OFFERS SOFTWARE TO STUDENTS

Nowadays, engineering studies should include the use of modern relevant software. For mechanical engineering students, these are mainly CADs and calculation programs.

It is a matter of concern to us to present KISSsoft to future engineers during their studies. A software cannot replace learning the calculation methods "by hand", however, such a program can multiply the learning effect of a lecture, when it is properly used.

Universities can apply for a university license to make KISSsoft available for students. The university licenses are subject to separate commercial and licensing conditions.

Students will then receive a license key and access to the software from the responsible faculty of the school. The distribution and administration of the licenses is regulated in a university contract and is the responsibility of the school itself. University licenses and conditions can be requested from KISSsoft.

PS: Are you currently working from home and would like to deepen your know-how? Then take part in KISSsoft's free web demo on April 8. It will cover the innovations in ISO 6336, the most important standard for strength calculation of cylindrical gears. KISSsoft experts will explain the theoretical background and show you the effects of the changes using examples from wind power, EV gearboxes etc. (*www.kisssoft.com*)

AFC-Holcroft

NAMES MANAGING DIRECTOR FOR EUROPEAN OPERATIONS

AFC-Holcroft, headquartered in Wixom, Michigan, USA, has named **Marek Kedzierzynski** their new managing director of European operations. Kedzierzynski secedes the outgoing managing director for Europe, Marc Ruetsch, who plans to retire mid-year. Kedzierzynski will report to Tracy Dougherty, vice president of sales for AFC-Holcroft.

Along with a master of engineering degree (M.Eng) received from University of Zielona Gora in Poland, Kedzierzynski is currently pursuing a Ph.D. from West Pomeranian University of Technology in Szczecin, Poland. Kedzierzynski has focused on engineering and heat treating exclusively throughout his career, beginning with his start as a design engineer while still in college, while working his way thru several technical roles with major furnace equipment suppliers, and eventually moving into sales and related activities. Upward momentum and increasing responsibilities led to high level roles including director of furnace sales and commercial director/member of the board, before joining AFC-Holcroft in 2019. In addition, Kedzierzynski owned and operated his own heat treat consulting business while pursuing his university studies. He is fluent in Polish, English and Russian languages.

Kedzierzynski, says, "It is an honor to take the reins of AFC-Holcroft's European operations from my distinguished colleague Marc Ruetsch. I am grateful to have this opportunity to

join AFC-Holcroft in this role, and be able to use my education, technical know-how and sales experience on a daily basis." He added, "I am honored to be selected to be a part of the AFC-Holcroft team." (*www.afc-holcroft.com*)

Weiler Abrasives

APPOINTS DIRECTOR OF NATIONAL ACCOUNTS

Weiler Abrasives has announced the promotion of **John Hobbs** to director, national accounts.

Since joining Weiler Abrasives in March 2013, Hobbs has held multiple sales positions of increasing responsibility, including district sales manager, business development manager and national accounts manager.

"John is a natural fit for his new role. He's exceptionally driven and is always focused on elevating our customers' experiences with Weiler Abrasives," says Jason Conner, vice president, sales for U.S. and Canada. "He's proven he can lead efforts with our national accounts team and our distributor partners — while delivering results, and bringing positive energy and excellence along the way."

In his new role, Hobbs will be responsible for managing a team of national account managers who are responsible for delivering the Weiler Abrasives' Value Package to the company's largest national account business partners serving the U.S. and Canada. The Weiler Abrasives' Value Package defines how the company partners with its distributors to help them achieve their business goals and how together they can bring valued-added solutions to customers across the globe. (*weilerabrasives.com*)

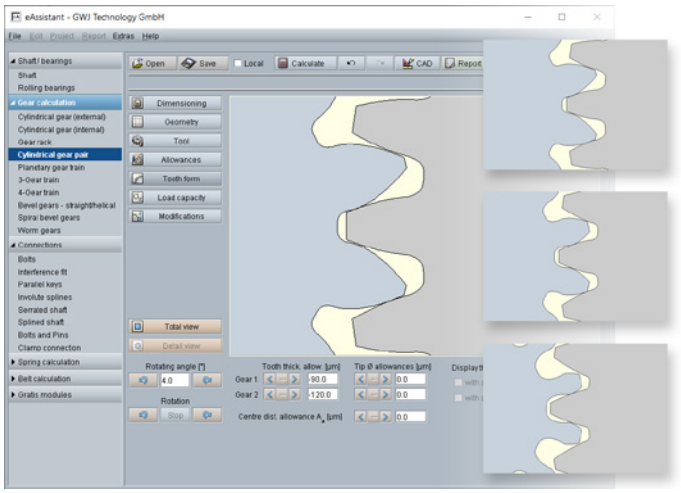
GWJ Technology

SUPPORTS VIRTUAL TEACHING

With its web-based software *eAssistant*, GWJ Technology ideally supports the digitization in teaching and education.

It has always be important to GWJ to support and promote teaching and learning. Therefore, GWJ provides the web-based software *eAssistant* free of charge to universities and other educational institutions for training purposes as well as to students for private use. This gives students the opportunity to work from home without any problems. Now that the universities has moved from face-to-face classes to online teaching, the web-based application can help ensure continuous learning during the current situation.

With the *eAssistant*, the software application for the calculation, design and optimization of machine elements such as shafts, bearings, shaft-hub connections, bolted joints or gears, users learn practical skills they can apply immediately and deepen. Integrated functions like redo/undo or the automatic recalculation after entering values help to explain certain contexts in a way that can be easily understood. A recalculation



occurs after every data input. Any changes that are made to the user interface take effect immediately.

This is possible not only for number values, but also for the representation of the tooth form. The effect of the profile shift on the gear tooth form can be quickly understood. (*www.gwj.de)*

MC Machinery

ANNOUNCES PARTNERSHIP WITH KM INDUSTRIAL MACHINERY

MC Machinery Systems recently announced that Km Industrial Machinery, Inc. is the new Michigan dealer for its EDM/Machining Division.

A third-generation family-run business, Km Industrial Machinery Vice President Pat Byers said that "as ambassadors of technology at our core, EDM fluid runs through our veins."

In fact, Pat's father Walt was a research engineer directly involved in revolutionizing the entire EDM process in the 1950s.

"We are thrilled to have Km Industrial Machinery join our team," said Alan Hallman, national sales manager of MC Machinery's EDM/Machining Division. "They have tremendous experience and depth of knowledge in EDM and milling, along with outstanding customer service and a beautiful new facility." (*www.mcmachinery.com*)

MPIF

OPENS REGISTRATION FOR BASIC PM SHORT COURSE

The powder metallurgy (PM) industry's leading short course returns to State College, Pennsylvania, this August to bring together new PM employees and those seeking to enhance their depth of knowledge and advance their careers in the industry. Held at Penn Stater Conference Center Hotel, State College, Pennsylvania, this intensive three-day course will run from August 10–12, 2020.

This year's programming will focus on:

- History, current practice, and the future of the PM industry;
- Why PM is a leading method for producing metal parts;

- The many applications that use PM parts;
- The fine points in designing for PM;
- How metal powders are produced;
- Designs for compacting tools;
- How sintering develops functional properties;
- Various secondary operations;
- The Metal Powder Industries Federation material and test standards;
- Metal injection molding;
- And the latest high-tech PM technologies, including metal additive manufacturing (3D printing).

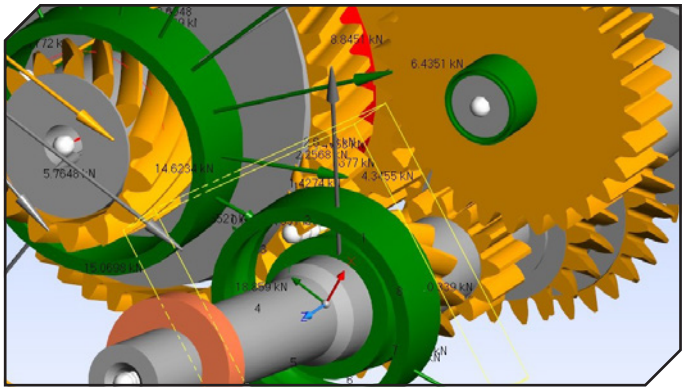
Attendees also receive hundreds of dollars in publications, including current MPIF standards.

"The Basic PM Short Course is nearing its 60-year mark of serving the PM industry," states Bill Edwards, director of technical and member services, Metal Powder Industries Federation. "It provides concentrated knowledge from numerous industry experts over three days and is an invaluable tool to showcase PM technology to anyone who would like to enhance their knowledge." (*mpif.org*)

SKF and SMT

COLLABORATE ON SOFTWARE FOR TRANSMISSION SYSTEMS

By combining SKF and SMT's technical analysis and optimization capabilities, engineers can now have a seamless experience when designing transmission systems. The SMT MASTA software helps engineers to accurately and rapidly design and predict performance characteristics. It also helps them to identify potential failure modes and undertake full-system (including time-domain MBD) simulations for any gearbox layout. The combined software allows bearings to be assessed within the context of full system level models. It also includes SKF bearing data for thousands of the company's bearings, alongside ISO 281 and ISO 16281 results. SKF rating life safety factors and reliability are displayed for individual load cases as well as combined for duty cycles and design states. These results are fully integrated into SMT's MASTA software. They are also available in RUNNA, MASTA's batch running capabilities, SMT's innovative Custom Reporting Framework, MASTA's Parametric Study Tool and MASTA's extensive scripting functionality. The combination of SKF and SMT in this way means that engineers now have, at their fingertips, everything needed to design highly reliable rotating equipment. Paul Langlois, software engineering director, at SMT, says: "This latest addition to our ongoing collaboration with SKF adds great value for our mutual customers. This will allow them to assess their bearings within the context of full system level models in MASTA, while benefiting from the proprietary life calculations of SKF." Hedzer Tillema, product line manager engineering tools, at SKF, says: "This joint development is of high importance for SKF. It helps our customers to design reliable rotating



equipment through key bearing knowledge and shows that 'seamless engineering' is becoming a reality for more and more machine design engineers." (*www.skf.com*, *www.smartmt.com*)

Blaser

EXAMINES COOLANT OPTIONS DURING EXTENDED PRODUCTION STOPS

The machines may not be running, but you need to monitor and maintain your metalworking fluid anyway. A production stop, triggered by a virus or anything else, may also be a good opportunity to clean your machines and fill them with new coolant.

Chemistry and microbiology continue to be active in your water-miscible metalworking fluid even when the machines are not running. The fluid doesn't circulate anymore and there's no supply with fresh emulsion. All this can lead to severe problems such as bad smell, corrosion of machine parts and splitting of the emulsion. You therefore need to decide whether you maintain your coolant during the production stop or whether it's a good opportunity to dispose your old coolant, clean your machines and get them ready for future production.

Two options–maintain or dispose

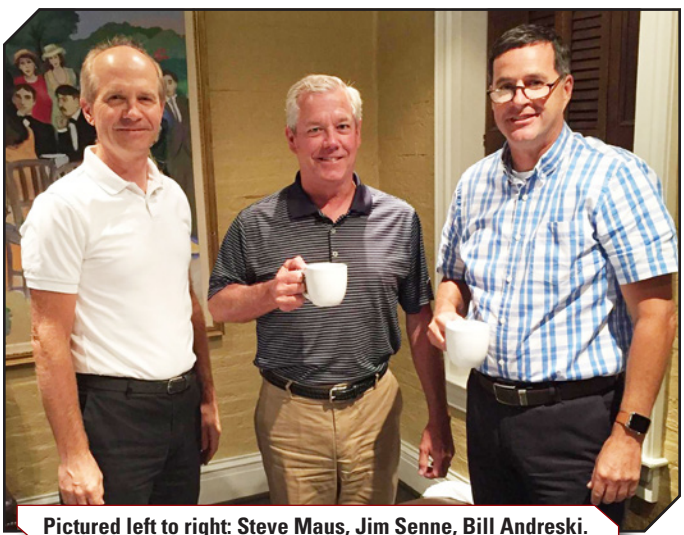
Water-miscible metalworking fluids cannot be left on their own. They need to be monitored and maintained regularly to ensure the stability of the emulsion. Cutting and grinding oils

do not need any specific precautions. However, the production stop may be a good opportunity to clean the machines and change to a new oil. (*www.blaser.com/production-stops*)

Solar Manufacturing

JOINS FORCES WITH METALPRO RESOURCES

Solar Manufacturing is pleased to announce that MetalPro Resources will assume the role of sales representative for the states of Ohio, Indiana and Kentucky. MetalPro Resources consists of three extraordinarily qualified individuals in the field of thermal processing and metallurgy. Jim Senne, Steve Maus and Bill Andreski bring a combination of over 100 years of heat treating knowledge and experience. With offices located in the Cincinnati, Indianapolis and Cleveland areas, MetalPro Resources offers many valuable services to their customer base.



Pictured left to right: Steve Maus, Jim Senne, Bill Andreski.

In making this announcement, Adam Jones, Midwestern regional sales manager remarked, "I am excited to have the opportunity to work with Jim, Steve and Bill. They are all great contributors to the heat treating market and the value that this will provide for our customers is immeasurable."

Maus of MetalPro Resources commented, "We have relationships with the people of Solar going back decades, and the time was finally right for us to join forces. Our region is rich in vacuum furnace applications and opportunities and we're moving forward with the best possible partner in Solar Manufacturing." (*solarmfg.com*)

Mobile Industrial Robots

ADDS FIVE CERTIFIED SYSTEM INTEGRATORS TO GLOBAL NETWORK

Mobile Industrial Robots (MiR) recently announced the signing of five certified system integrators (CSI) in both North and South America. US-based JMP Solutions, Iris Custom Solutions, Flex-Line Automation, Advanced Handling Systems, as well as Nordika Brazil in Sao Paulo, Brazil, all have specific MiR robot, software and application expertise to support end users with large and complex implementations.

"In today's uncertain business environment, companies – whether deemed essential or not – need to improve efficiencies and get their products to customers as quickly as possible," said Ed Mullen, vice president of sales, Americas, Mobile Industrial Robots. "They need strong technology partners who can ensure fast and effective integration to help them optimize the efficiency and productivity of their internal logistics. These five CSIs know our AMRs, they know the applications in which they can be used most effectively, and they know how to implement even complex systems with multiple AMRS while providing the highest degree of customer service."

MiR's global network of CSIs ensure proper installation and service of MIR's fleet of user-friendly, powerful and robust AMRs for heavy and light internal transport. The MiR100, MiR200, MiR250, MiR500 and MiR1000 are designed to optimize logistics throughout the entire production chain, from the warehouse to the delivery of goods. MiR AMRs are already installed in more than 60 countries at companies such as Toyota, Ford Motors, Raytheon, ABB and CABKA North America. (*www.mobile-industrial-robots.com*)