

Gleason and Heller

COLLABORATE ON FIVE-AXIS MACHINING CENTERS

The Gleason Corporation and Gebr. Heller Maschinenfabrik GmbH recently announced the formation of a strategic alliance to serve the global gear manufacturing technology markets. Effective in September, Gleason and Heller will now cooperate in the development and sale of five-axis machining centers for gear production applications.



Udo Stolz

Udo Stolz, vice president for worldwide sales and marketing of Gleason Corporation said, "Heller's gear cutting solutions are complementary to our own, and strengthen our ability to offer the best possible solution to our customers. Heller's innovative solutions are particularly interesting for flexible and highly productive machining of gears in small to medium batch sizes and where combined machining operations are desirable. Gleason will act as the exclusive distributor of machining centers incorporating Heller's existing gear solutions and



the two companies will cooperate to further improve the capabilities of producing gears on such a platform. By leveraging Gleason's global reach and leadership in gear technology, we believe opportunities exist to expand sales of Heller's solutions."

Manfred Maier, managing director of Heller, said, "Heller has developed alternatives to traditional gear production processes, alternatives that do not require dedicated machines but are very productive and well suited to certain applications. We are excited about our alliance with Gleason that we believe will open our access to those applications and market segments."

For more information, visit www.gleason.com.



Manfred Maier

PMA

TO HOST INAUGURAL WOMEN IN MANUFACTURING SYMPOSIUM

More than 150 women executives, managers and supervisors will gather in Cleveland, Ohio, on October 25–26, 2011 for the first annual Women in Manufacturing Symposium hosted by the Precision Metalforming Association (PMA). The event, designed exclusively for women who have chosen a career in the manufacturing industry, will provide a unique

opportunity for participants to share perspectives and network with colleagues and with leading female executives in the manufacturing sector.

Moirá Forbes, vice president and publisher of *ForbesWoman*, a multi-media platform serving successful women in business and leadership, will deliver the keynote presentation at the event on "Management Best Practices." Forbes also is the associate publisher of *ForbesLife* and the host of *Success with Moira Forbes*, a weekly video series featuring candid, one-on-one interviews with today's top women leaders.

"The first-ever PMA Women in Manufacturing Symposium brings together women in manufacturing to focus on best practices and interaction that will provide another plat-

form for engaging the industry,” says Kellie Johnson, president of ACE Clearwater Enterprises and board member of the National Association of Manufacturers. “Manufacturing is at a pivotal point in our nation’s history. This event represents productive knowledge, innovation and enterprise and will help shape the future of manufacturing through involvement in policy, education and networking.”

The symposium also will feature panel discussions on “Manufacturing Best Practices” and “The Importance of Sponsoring and Mentoring.” Panelists include representatives from high-profile manufacturers including Boeing, Ford Motor Company, General Motors, GE Appliances and American Greetings.

Additional presentations are scheduled on the topics of “Bridging the Gap: Attracting, Retaining and Promoting Women in Manufacturing” by a representative from Deloitte Services; “The Eight Principles of Leadership” by Martha Mayhood Mertz, founder of ATHENA International; and “Communication Strategies for Women in Leadership” by Claire Scott Miller, Weatherhead School of Management/Case Western Reserve University. For more information, visit www.womeninmanufacturing.org.

Gleason

ACQUIRES K2 PLASTICS

Gleason Corporation has announced it has acquired the assets and business of K2 Plastics, Inc., of Bergen, New York, a producer of precision plastic gears and other complex plastic parts. “Gleason is continually seeking ways to extend the solutions we can offer our customers,” says John J. Perrotti, president and CEO, Gleason Corporation. “K2 Plastics provided Gleason with an opportunity to broaden ourselves further into the gear market, particularly in the fine-pitch area where both plastic and steel gears are used. While the applications for plastic gears may broaden over time, the electronic, medical equipment and appliance markets are some of the existing markets for plastic gears, and are all markets in which we have had limited market penetration.”

K2’s products utilize “no-weld-line technology” to achieve superior strength and accuracy for its plastic injection molded parts. “A weld line is the interface in an injection molded gear where two flow fronts meet,” says Klaus Kremmin,

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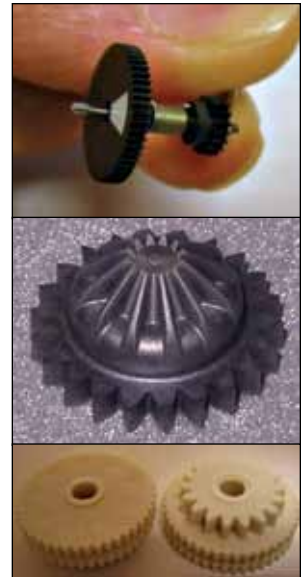


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NEWS

general manager, Gleason-K2 Plastics. "These weld lines usually occur between two gates (points where plastic is injected into the gear during manufacturing). A weld line is the weak link in a gear. The material strength at the weld line may be 10–50 percent of the strength outside the weld line. This means you cannot rely on material data sheets for strength calculations without factoring in the effect of weld lines. You can also achieve 2–3 levels of accuracy higher without weld lines. K2 has optimized the molding of plastic gears and other precision components without weld lines and with no secondary machining."



K2 also provides comprehensive engineering consultation from design to material selection to prototyping. "Klaus Kremmin is a highly respected designer of plastic gears with a thorough knowledge of the plastics injection molding process," Perrotti adds. "His entrepreneurial instincts and proven business acumen make him a valued member of the Gleason team. Both companies are technology leaders within the gear industry and we believe that benefits from the synergies between the two companies will allow each to extend their market reach."

Gleason offers incremental technical resources, global sales and distribution channels, synergies emerging from Gleason's current capabilities related to design and machining of steel gears, and capital to accelerate the expansion of the existing business. These factors will only help to serve K2 Plastics in the future. Gleason will retain K2's existing management team, and Gleason's newly-formed Gleason-K2 Plastics Division will continue to operate at K2's current manufacturing facility in Bergen, New York.

"There are already many gear applications for which plastics or injection molded gears are ideally suited," Perrotti says. "While we do not see explosive growth in the use of plastic gears, we do see further opportunities as markets look for cost-savings, weight reduction, reduced noise and a minimized use of wear-reducing external lubricants. Continued advancement in new injection moldable materials also creates a broader market for injection molded gearing."

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Michigan Congressman Levin

TALKS JOB CREATION WITH SUPREME GEAR

On August 25, 2011, Michigan Congressman Sander Levin, State Representative Marilyn Lane and Assistant Macomb County Executive, Dr. Albert Lorenzo paid a visit to Supreme Gear Company. The topic of conversation was how to create more jobs, specifically defense jobs, in Macomb County. At a roundtable discussion, then later during a plant

tour to meet the employees, the Congressman spoke of the resources available to small businesses in Michigan, as well as what Washington was considering for the future. Supreme Gear



Company was founded more than 60 years ago in an effort to provide creative machined solutions to aerospace, defense, commercial and other related industries. The company specializes in the production of highly critical aircraft engine and missile gears, complete gearboxes, gear shafts, drives, sprockets, housing assemblies and many other precision-machined gear components up to 16 inches in diameter. They also have the capability of machining parts up to 32" in diameter. For more information, visit www.supremegear.com.

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mally joined with Koepfer America LLC to be represented in the North American gear market. Additionally, Drake has partnered with D-Mark Corporation to represent their entire product line in southern California. According to Drake's press release, both organizations are well respected in the machine tool industry and bring the technical and product knowledge that customers have come to expect from Drake, providing application solutions for continued growth. For more information, visit www.drakemfg.com.

Manufacturing Technology Orders

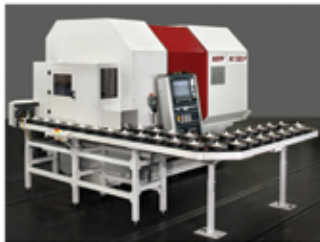
UP 92.7 PERCENT FROM JULY 2010

July U.S. manufacturing technology orders totaled \$506.97 million, according to the American Machine Tool Distributors' Association (AMTDA) and the Association for Manufacturing Technology (AMT). This total, as reported by companies participating in the United States Manufacturing Technology Orders (USMTO) program, was up 7.3 percent from June and up 92.7 percent when compared with the total of \$263.14 million reported for July 2010. With a year-to-date total of \$2,975.10 million, 2011 is up 102.9 percent compared with 2010.

These numbers and all data in this report are based on the totals of actual data reported by companies participating in the



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USMTO program. "The manufacturing beat goes on. Machine tool sales continue to exceed forecasts for 2011," said Peter Borden, AMTDA president. "The stock market's volatility and the traditional summer slowdowns as budgets are depleted were no match for the ongoing demand to get new machines into production as soon as possible. This pace will slow; but for USMTO 2011 so far, there are no signs of what we hear on the nightly news."

The USMTO report, jointly compiled by the two trade associations representing the production and distribution of manufacturing technology, provides regional and national U.S. orders data of domestic and imported machine tools and related equipment. Analysis of manufacturing technology orders provides a reliable leading economic indicator as manufacturing industries invest in capital metalworking equipment to increase capacity and improve productivity. For a regional geographic breakdown of manufacturing technology orders, visit www.amtonline.org.

Jaworek and Euliano

JOIN SECO/WARWICK

Seco/Warwick Corporation recently announced that Katanya Jaworek has been added to Seco/Warwick's Thermal Team sales staff as a sales application engineer. Jaworek brings an extensive science and business background to the Seco/Warwick staff. Among Jaworek's responsibilities will be presenting and negotiating custom engineered furnace proposals with customers and developing project concepts and project proposals to solve customer needs. Jaworek graduated from Gannon University in Erie, Pennsylvania in 1999 with a bachelor of science in biology and earned a master of science in forensic science with a concentration in advanced investigation from the University of New Haven in 2003. Jaworek most recently spent four years as a sales engineer at an Erie-based manufacturing company that also provided heat treating ser-



Katanya Jaworek

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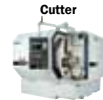
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vices. She also worked as a chemist for three years prior to attending graduate school and was a traffic accident investigator.

Additionally, Bill Euliano was recently named operations manager at Seco/Warwick. Euliano brings more than 30 years' manufacturing experience to Seco/Warwick Corp. He will report to the president and is responsible for the company's day-to-day operating activities.



Bill Euliano

Euliano will oversee the effective and efficient use of facilities and personnel, as well as conformance to schedules and budgets. Euliano has a bachelor's degree in mechanical engineering from Gannon University, Erie, Pennsylvania. He also completed graduate degree courses for an MBA from Gannon University, and he has an associate degree in elementary education from Butler County Community College. He has worked in the automotive, fabrication, LED lighting and heavy truck industries. For more information, visit www.secowarwick.com.

McInnes

TO INSTALL NEW RING MILL

McInnes Rolled Rings has moved forward with the installation of a RAW 160/160 Radial-Axial ring rolling machine from SMS MEER GmbH Ring Rolling Division (Wagner), in conjunction with Girard Associates. The mill will be complemented with a new 3,500 ton press from Erie Press Systems located in Erie, Pennsylvania. The new mill and press are scheduled to be delivered early in the 4th quarter of 2011 with full production to begin in the 1st quarter of 2012. The progress of this installation can be viewed by clicking on the construction fence located in the top right-hand corner of the company's home page (<http://mcinnesrolledrings.com>). This commitment will allow McInnes Rolled Rings to produce rings up to 144" in diameter and up to 8,000 lbs. in carbon, alloy and stainless steel. The new mill will target and expand the company's existing base of business in the power transmission, energy, and the commercial/aircraft bearing markets. The new 160/160 will complement the existing RAW 63/63 and KFR-630 mills currently producing rings from 4" (100 mm) to 72" (1,825 mm). The new mill will be located at the company's headquarters in Erie, Pennsylvania.