

SME

INVESTS IN MANUFACTURING EDUCATION CENTERS FOR HIGH SCHOOLS

Tomorrow's global leaders will have to be tech-savvy and ready for advanced manufacturing jobs requiring skills in electronics, computers, software and automation. Continuing its mission to encourage young people to focus their education on science, technology, engineering and math, the SME Education Foundation is introducing Computer Integrated Manufacturing (CIM) courses at 400 Manufacturing Education Centers across the country. The Foundation will sponsor the course at pre-existing partner schools in Lee's Summit, MO, and Charlotte, NC.

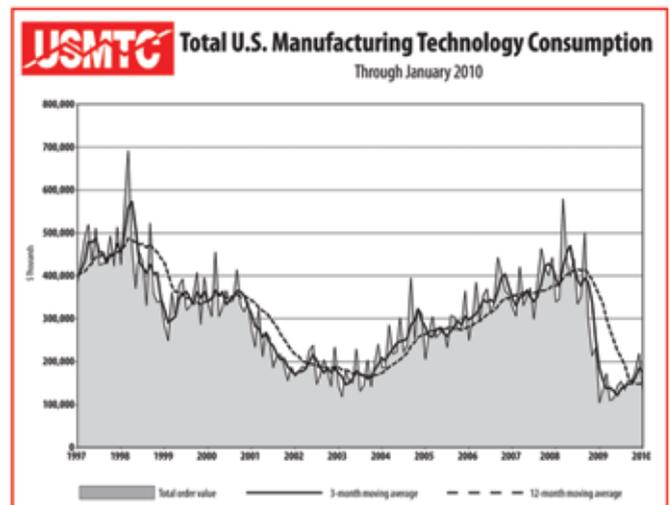
Through their CIM program, the SME Education Foundation is introducing high school students to careers in manufacturing, while engaging their industry partners and SME Chapter members. The CIM course, upgraded by the foundation's industry partner, Project Lead The Way (PLTW), enhances computer modeling skills by applying principles of robotics and automation to the creation of three-dimensional design models.

Bart A. Aslin, director, SME Education Foundation, launched the new initiative with the presentation of a \$40,000 check to the Lee's Summit R-7 School District's Summit Technology Academy located in Lee's Summit, MO, for the creation of its first CIM laboratory serving high school students in the Kansas City region. The award was presented at a special reception at Summit Technology Academy on Tuesday, February 16.

"Our programs have to reflect and respond to problems in the global market. And, we've run out of time. We need parents to be hands-on and encourage their children, and we need industry and educators to mentor students and each other. Or, the global economy will move along without us," Aslin says.

The event, attended by area educators, engineering professionals, parents and PLTW students included a tour of the new lab, a demonstration of its robotic arm and a preview of the new manufacturing-based curriculum. PLTW has more than 60 schools in the metro Kansas City area, serving more than 9,000 students.

January Manufacturing Technology Consumption Up



January U.S. manufacturing technology consumption totaled \$130.96 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 Consumption (USMTC) program, was down 40.3 percent from December but up 26.2 percent from the total of \$103.77 million reported for January 2009.

These numbers and all data in this report are based on the totals of actual data reported by companies participating in the USMTC program. "Many customers placed orders in December to take advantage of tax relief measures, pulling orders out of January 2010," says Peter Borden, AMTDA president. "The good news is that January 2010 orders are still 26 percent ahead of January 2009. Fortunately, there are measures moving through Congress that will expand these benefits, incentivizing manufacturers to invest in capital equipment in 2010."

The USMTC report, jointly compiled by the two trade associations representing the production and distribution of manufacturing technology, provides regional and national

continued

U.S. consumption data of domestic and imported machine tools and related equipment. Analysis of manufacturing technology consumption provides a leading economic indicator as manufacturing industries invest in capital metal-working equipment to increase capacity and improve productivity. For more information on this and other studies, visit www.amtonline.org.

Advanced Machine & Engineering

APPOINTS PRODUCT MANAGER

Christian Schedler has been promoted to the position of product manager of the Speedcut Saw Technology Division of Advanced Machine & Engineering (AME). In his new role, Schedler will oversee P&L responsibility for the division including its sales, application engineering, product management and project management functions. Prior to his promotion, Schedler worked as a global service rep for a German Machine Tool company and as a designer of carbide saws at AME.



Christian Schedler

During the last two years, AME's Speedcut Division has invested in new production and measuring equipment and concentrated heavily on R&D and saw blade innovations to improve the tool life of carbide and cement tipped circular saw blades. Schedler has a background in R&D, engineering and product manufacturing as well as broad assembly and service experience.

JRM International

APPOINTS SALES MANAGER

Juergen Walters has been hired as the sales manager for

the gear products division of JRM International, Inc. Walters comes to JRM with 14 years' experience as a sales and application engineer with Saint-Gobain Abrasive products in Germany. During this time he has worked with the gear industry and automotive industry in Germany. He also has experience with die spring and tool grinding companies. With knowledge and training in the areas of bonded and coated abrasives, he has worked with these customers to improve their processes and procedures.

"We are happy to have Juergen on board our gear products division," says James Mattox, president of JRM International, Inc. "His extensive background and training in the area of abrasives will be invaluable working with our North American customer base for all types of grinding applications. As the North American partner with Burka-Kosmos, of Frankfurt, Germany, we strive to work very closely with our customers in the area of improving quality, reducing cycle times and helping control costs. Having Juergen available to work in our customers' plants and aid them in improving their grinding processes will be a great benefit to both our customers and JRM International, Inc."



Juergen Walters

Kurt Manufacturing

SIGNS AGREEMENT WITH LEADER CHUCK SYSTEMS

Kurt Manufacturing Company, located in Minneapolis, MN, recently signed an exclusive agreement with Leader Chuck Systems Ltd. in Birmingham, England to distribute Leader Chuck's MMY MultiChuck Concentric Clamping Systems in the United States, Canada, Mexico, Central and South America. The Leader Chuck MMY line consists of manual self-centering static workholding for machining centers, milling machines and grinders. These products integrate with Kurt's high density workholding towers and other devices to provide productivity and precision.



“Adding the Leader MultiChuck MMY system gives our customers more options in designing the highest productivity workholding for their machines,” says Steve Kane, global sales and marketing manager at Kurt. “Our wise customers are looking for ways to expand their machine output and Leader MultiChuck MMY products have a proven track record of award-winning performance for many years throughout the United Kingdom and Europe.”

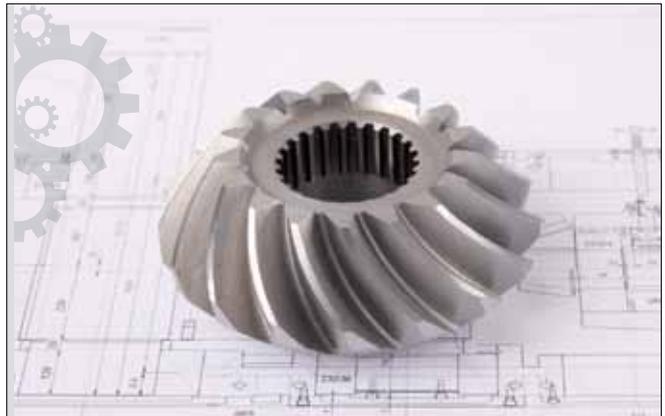
“Like Kurt workholding in U.S. industry, Leader Chuck is a very successful brand for over 50 years in European industry,” says Mark Jones, managing director at Leader Chuck. “We are extremely pleased to be a partner with Kurt to bring manufacturers innovative workholding for both new and existing machine setups.”

Goellner, Inc.

APPOINTS VICE PRESIDENT, SALES AND MARKETING

Goellner, Inc., located in Rockford, IL, recently announced the promotion of Greg Champion to the position of vice president of sales and marketing. Goellner, Inc. is the holding company for Advanced Machine & Engineering and Hennig, Inc., two suppliers of the machine tool, power generation, primary metals and other industries.

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NEWS

Champion has several years of experience with Hennig, Inc., and over 20 years of experience in various management positions in the machine tool and machine tool accessory industries.

In his new role, Champion will oversee all sales and marketing activities, including the strategic direction and management of Goellner's worldwide marketing and sales initiatives. He will also be developing new business opportunities, both domestically and globally. Champion will direct the sales and marketing departments of both Advanced Machine & Engineering and Hennig, Inc. and will work in conjunction with the staff at both locations.

Reishauer Corp.

ANNOUNCES CHANGES TO SALES TEAM

Reishauer recently announced the appointment of Ben Cernohous to the position of regional sales manager for machines and diamond/CBN dressing tools. Cernohous will be responsible for mid-Atlantic states and portions of Canada. He previously held the position of service and project engineer at Reishauer and has been with the company for five years. "Ben brings a keen technical understanding of electronics and gear technology with him along with his enthusiasm and intense work ethic," says Dennis Richmond, vice president at Reishauer.



Ben Cernohous

Regional Sales Manager George Dee has announced his retirement after two decades of service to Reishauer. Dee began his career in the late eighties covering the mid-Atlantic states and portions of Canada. He was responsible for machine sales. Dee and his wife, Elaine, reside in Aurora, OH. "We wish him all the luck in his next adventure," Richmond says.



George Dee

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Inductoheat

RECEIVES ISO 9001:2008 CERTIFICATION

Inductoheat Inc. recently received its ISO 9001:2008 certification for induction heating coils, power supplies and ancillary equipment, which improves workflow and optimizes heat treating performance. The company has successfully implemented a quality management system that adheres to the worldwide standard for design and manufacture of equipment for the induction heating of metals. In addition, the certification validates the company's commitment to quality standards with regards to its product lines.

"Maintaining ISO certification is a quality standard for our organization," says Douglas Brown, president of Inductoheat. "ISO certification affirms the high level business competency Inductoheat Inc. demonstrates, from the quality of products to our operational discipline."

Höganäs AB

OPENS CENTER TO ENCOURAGE PM PART APPLICATIONS

The Power of Powder (PoP) Centre opened for business in October 2009 in Sweden to create more business opportunities in powder technology. The unit will serve as an innovation and solutions center to bring together PM parts makers, end users and Höganäs for closer, more cost-effective cooperation to encourage new PM parts applications.

More than 150 leaders from the international powder metal community attended the October 15 opening event where Höganäs CEO, Alrik Danielsson discussed the powder metal industry moving forward.

"We believe the future success of the PM industry lies in the interaction between application knowledge, design aspects, process conditions and powder concepts,"

continued



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Danielsson said.

Other speakers included Patrick Reinhold, Volkswagen Material Technology/Metal Groups Laboratory, Shigehide Takemoto, project general manager, Toyota Production Engineering Division and Cesar Molins Jr., director general, AMES, S.A.

The PoP Centre will provide access to a new state-of-the-art Dorst 800-ton CNC compacting press supported by Alvier PM Technology R&D tools to simulate actual production conditions.

Global PM Database SEES EXPANSION

The Global PM Property Database (GPMPD) has been extended by the addition of 80 data lines of new fatigue endurance limit information. This new information covers a range of Fe-Cu-C grades in both pressed-and-sintered and powder-forged conditions. It comes from the analysis of published PM fatigue information carried out by Technical University of Aachen group, led by Professor Paul Beiss, that also provided the full SN content incorporated into the database during 2009. The GPMPD is a free online aid for designers and engineers that provides physical, mechanical and fatigue data relating to a wide range of ferrous and nonferrous PM materials. The database was created in a collaborative effort between the Metal Powders Industries Federation (MPIF), the European Powder Metallurgy Association (EPMA) and the Japan Powder Metallurgy Association (JPMA). To access the database, visit www.pmdatabase.com.

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SME ELECTS FIRST WOMAN PRESIDENT

The Society of Manufacturing Engineers (SME) has elected a woman to lead the organization for the first time

in its 78-year history. Barbara Fossum was officially sworn in last November at the Society's Awards and Installation Banquet in Dearborn, MI. Fossum brings a diverse academic and industrial background to SME. She's an independent consultant and coach in the areas of strategic planning, process engineering and business planning. Fossum is also a senior research fellow of the IC2 Institute of the University of Texas at Austin.



Barbara Fossum

She holds a doctorate in operations management, a master's in business administration, a master's in mathematics/computer science and a bachelor's in physics.

Fossum has been a member of the SME since 1989 and has served on the Society's Executive Committee and Board of Directors, Ad Hoc Lifelong Learning Committee and the CASA/SME Board of Advisors. She was also an editor of CASA's Blue Book series.

In her new position, Fossum would like to work with organizations to refine the image of manufacturing as a good career option and develop educational paths that prepare the future generation for jobs in manufacturing.

"I believe SME can be a catalyst among professional organizations to make progress towards a national manufacturing strategy," Fossum says. "Working together, government, industry and academia can rebuild U.S. manufacturing capability in key industries."

ABA-PGT

RECEIVES ISO 13845:2003 MEDICAL DEVICE CERTIFICATION

ABA-PGT, Inc. was recently awarded ISO 13845:2003 certification, a quality management system standard for the development and production of medical devices. The company produces high-volume, precision-molded plastic gears and high-precision tooling. ABA-PGT was also awarded re-certification of ISO 9001:2008 at its headquarters in Manchester, CT.

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“ABA-PGT, Inc. has always provided a product of consistently high quality and the ISO 13485:2003 certification reinforces that commitment to our new and existing medical industry customers,” says Terry Holmes, vice president of sales and marketing.

The certification ensures ABA-PGT’s continued adherence to customer specifications and regulatory requirements. For more information, visit www.abapgt.com.

Oven Industries, Inc.

RECEIVES
AEROSPACE CERTIFICATION

Oven Industries, Inc. recently announced it has been awarded official accreditation to the AS9100 international aerospace quality standard. This standard enables the company to actively bid on aerospace and defense contracts globally and clears the way to work with OEMs and their Tier One manufacturers across the United States and Europe.

The AS9100 standard provides qualification to be considered an aerospace supplier, public recognition, internal validation of procedures and controls and independent feedback to foster continual improvement. Most major aircraft engine manufacturers including Airbus, General Electric’s Aircraft Engine Division, Boeing, Raytheon, Rolls-Royce Allison and Pratt & Whitney require AS9100. Oven Industries AS9100 certification was achieved in 10 months from the project launch and ensures that the company has the right procedures and track record to do the most stringent aerospace work in the future.

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**True Precision
Plastics**

WELCOMES
GENERAL MANAGER

Daniel Leaman has joined True Precision Plastics, an

injection molding company headquartered in Lancaster, PA, in the position of general manager. Leaman has over 35 years of injection molding experience, and in the 1990's, he was responsible for high levels of growth and customer satisfaction during his prior tenure with True Precision Plastics. The company supplies injection molded components in more than 50 materials, and offers 33 to 725 ton capability while providing secondary operations such as over molding, hot stamping, chrome plating, machining, sonic welding and pad printing.

Broadwind Energy

PLANS EXPANSION OF GEARBOX CAPABILITIES

Broadwind Energy, Inc. recently announced the expansion of its Precision Repair and Engineering services with enhanced megawatt (MW) gearbox refurbishment capabilities. For MW-scale wind turbines in North America, gearbox repair and refurbishment have traditionally been performed outside the U.S. by non-domestic sources. Broadwind believes it will be the first independent supplier of wind energy products and services to offer enhanced MW gearbox repair and refurbishment capabilities in North America.

"With a large portion of the approximately 35,000 MW installed base of wind turbines in the U.S. now coming out of warranty, we see a growing need for a comprehensive solution for MW gearbox refurbishment services that Broadwind can provide," says Broadwind Energy CEO J. Cameron Drecoll. "By adding gearbox refurbishment up to 3 MW to our existing suite of kilowatt gearbox offerings, we will continue to grow our 'one-source strategy' to help leverage existing customer relationships by adding additional services for our customers and cross-selling opportunities for Broadwind."

Broadwind anticipates that its enhanced wind turbine gearbox refurbishment capabilities will be fully operational in the second half of 2010, and will enable approximately 500 MW of annual wind turbine gearbox refurbishment, testing and field replacement. Site selection discussions for Broadwind's gearbox complex are underway and focused on the Abilene, Texas, area, which is in close proximity to the world's largest fleet of MW turbines.

Continued from page 84

HPII came to Chicago, met with my father and myself, and we made available our offices to him, which started our relationship. Eventually, we helped him locate office and warehouse space. One day, Herman called me and said, "I have someone who would like to say hello to you."

"Who is this?" I asked, and it was David Goodfellow. "What are you doing here?" I asked.

David replied, "Herman just hired me to be the president of American Pfauter, and I am going to be moving from Syracuse to Chicago."

Their offices were only a half-mile from ours, and since we had a big warehouse with heavy-duty cranes, that was the beginning of a multi-year collaboration. In the beginning, American Pfauter had only a handful of employees besides Herman: David Goodfellow, Geoff Ashcroft (now with Gear Consulting Group), Brian Cluff (now with Star-SU), Dennis Gimpert (now with Koepfer America), Hans Grass (now with Bourn & Koch), Olanda Gabaldi (now with Star-SU), and shortly after, Dennis Richmond (now with Reishauer America).

American Pfauter continued to grow, and later included many other familiar names of the gear industry: Martin Kapp (Kapp Coburg), Bill Miller (Kapp Tech USA), Fred Shomaker (Star-SU), Steve Peterson (Star-SU), Ken Flowers (Machine Tool Builders), Antonis Theodoro (Machine Tool Builders), Jack Carlson (Reishauer America), Rick Piller (Schiess) and Dan Fleming (Koepfer America). That company became the basis and influenced most every gear machine tool manufacturer or distributor, even today.

In 1987, David bought Barber Colman Cutting Tools, which became Pfauter Maag Cutting Tools. In 1992, they bought ITW Cutting Tools, which was folded into Pfauter Maag. With more than 420 employees, eventually David arranged the sale, in 1997, of the Pfauter factories in Germany, American Pfauter, Pfauter Maag Cutting Tools, and the Pfauter factories in Brazil, to The Gleason Works, who are the owners of these companies today.

David subsequently formed an agency that combined representation for the Star Cutter Company and Samputensili of Italy, known as Star SU, where he is today still president.

When David was to marry his present wife, Iolanda, he asked me to be his best man, and, at the church, the minister commented that David, a Lutheran, was marrying Iolanda, a Catholic, in a Presbyterian church with a Jewish best man, and David, like he's done most of his career, was covering most all of his bases.

All of the above history flashed through my mind about how intertwined the lives and careers of David Goodfellow, Herman Pfauter II and myself became. As I said earlier, in many respects, this represents a big part of the history of the gear machine tool industry.