

ITAMCO

CELEBRATES ITS 60TH ANNIVERSARY

Founded in 1955, the Northern Indiana-based manufacturer has grown from a single 4000 sq. ft. plant to two facilities that encompass a total of 485,000 sq. ft. ITAMCO delivers precision-machined components to OEMs worldwide in mining, off-highway vehicles, marine, and aviation. The company specializes in precision gear manufacturing and their capabilities range from mining gearing to production runs of CBN-ground transmission gears.

“I believe the success of ITAMCO is due to uncommon perseverance and a true spirit of innovation. Embracing technology while holding to solid and proven principles has given us an atmosphere that is creative, yet built upon a foundation that can be relied upon,” said Gary Neidig, president of ITAMCO.

ITAMCO’s spirit of innovation makes the company adaptable to the technology that enables it to provide better quality, better lead times and better pricing. In 2011, the company installed one of the largest gear grinders on the market in its climate-controlled grinding facility. The Niles ZP 40 gear grinder has taken hours out of the grinding process, saving production costs for ITAMCO’s customers. ITAMCO produces gears that meet the standards of their most demanding customers, including NASA and the Department of Defense. The grinding area with nine CNC-grinding machines is just one component of a company that includes precision machining tools, large press parts, 60-foot high bays, and 80-ton cranes.

“We’re one of the few US facilities that can do it all, from cut-



ting to finishing,” said David Neidig, business development for ITAMCO.

While acknowledging the company will always offer subtractive manufacturing like gear grinding, ITAMCO believes that additive manufacturing, often called 3D printing, is the future of their business. To that end, they have developed an additive manufacturing strategy titled: “Strategic Technology Initiative for Additive Manufacturing.” Their drive to bring additive manufacturing to their plant floor was enhanced when they won a funding award from the National Additive Manufacturing Innovation Institute in July 2015. ITAMCO’s IT development team will be working with Johnson & Johnson, the University of Pittsburgh and the University of Notre Dame to develop an additive manufacturing CAD application.

In addition, the technology team at ITAMCO has released over 65 mobile device apps for machinists; designed and markets iBlue, the first industrial Bluetooth transmitter; and developed an award-winning application Google Glass application for machine tools.

ITAMCO is a privately held company that has maintained the principles of its founders, Donald and Noble Neidig.

“My uncle and father believed in a cause larger than themselves, and were willing to make sacrifices in order to build for the future of others,” said Gary Neidig.

In 2013, ITAMCO partnered with the Plymouth, Indiana School Corporation and Ivy Tech Community College to launch the ITAMCO Manufacturing Center on the Plymouth High School’s campus. Students enrolled in the Precision Tool Manufacturing course at the center will receive credits toward high school graduation and college credits from Ivy Tech. ITAMCO donated \$100,000 worth of equipment in addition to technical assistance for the program and recently donated an additional CNC precision machine tool to the large inventory of precision machining tools. ITAMCO’s goal is to help combat the skills gap in the technical trades by being an active participant developing the local workforce.

ITAMCO is also preserving natural habitats for future generations. The company has turned 750 acres of forest next to one of their facilities into a nature preserve. They also began the Woodland Restoration Project in 1997 with the planting of 300 acres of hardwood forest.

Martin Boelter

APPOINTED CHIEF OPERATING OFFICER OF KLINGELNBERG

Klingelberg recently announced the appointment of **Martin Boelter** as chief operating officer. Boelter will assume responsibility for the production and logistics divisions within the Klingelberg Group. A four-member senior management team is now once again at the helm at Klingelberg.

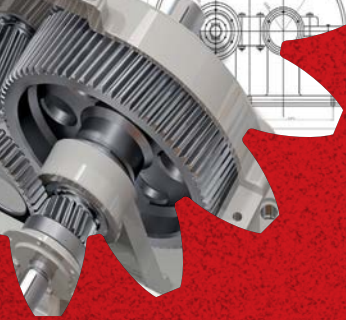
In his capacity as the new chief operating officer (COO), Boelter is now part of the senior management in the group, together with Jan Klingelberg (CEO), Christoph Küster (CFO) and Dr. Hartmuth Müller (CTO). Due to this reinforcement, resources are now available to accelerate growth on the international stage and further strengthen its market position.

“We are delighted to have gained a highly experienced manager in Martin Boelter,” said Jan Klingelberg, who also serves as chairman of the supervisory board at Klingelberg GmbH. “His knowledge and experience will drive our company’s continued growth.”

Boelter, who studied mechanical engineering at Munich Technical University, was most recently employed as COO in the Sterling SIHI Group.

“I like having the opportunity to build upon a valuable his-





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tory,” Boelter said. “What I find particularly exciting about Klingelnberg is the combination of corporate values that are part of the daily experience: The stability of a traditional family-run business with deep roots in the region on the one hand – and the international presence and dynamism of a global market leader on the other. Against this backdrop, I am enthusiastically looking forward to working together with the company to meet the challenges of the coming years.”

In his previous management positions, Boelter always attached great importance to working closely with employees in all growth and development processes to ensure that everyone could find ways to achieve success together.

Governor Charles D. Baker

VISITS ADCOLE TO RECOGNIZE PRODUCT DEVELOPMENT

Governor **Charles D. Baker, Jr.** recently visited Adcole Corporation and was accompanied by Jay Ash, secretary of housing and economic development for the commonwealth and several team members. The purpose of his visit was to recognize Adcole’s product development and commitment to quality which formed the basis of a state grant for \$95,000 to train local employees in more efficient and LEAN manufacturing techniques.



Founded in 1957, Adcole manufactures precision measuring machines that are used worldwide by leading automobile manufacturers and suppliers for controlling the quality of camshafts, crankshafts, and pistons. Adcole gages let manufacturers achieve the submicron tolerances required to meet the growing demand for high performance, fuel efficient engines.

Adcole’s Aerospace division manufactures sun sensors that provide mission-critical positioning and control. In addition to being deployed on every GPS satellite orbiting the earth, they stabilized and guided NASA’s New Horizons spacecraft which recently passed within 8,000 miles of Pluto’s surface after a 9-1/2 year, 3 billion mile journey.

“We are proud of our industrious people, history, and leading edge products and believe Adcole Corporation represents the very best of Massachusetts high-tech manufacturers,” said J. Brooks Reece, president of Adcole.

Mahr Federal

ACQUIRES ENGINEERING SYNTHESIS DESIGN INC.

The Mahr Group recently acquired Engineering Synthesis Design Inc. (ESDI), headquartered in Tucson, AZ.

Over the past two years, Mahr has completed product developments of the MarSurf WM 100, MarSurf LD130/260 Aspheric and MarForm MFU 200 Aspheric 3D solutions for measuring contour and roughness parameters on aspheres and freeform optics. Furthermore, a prototype of the Tilted-



Wave-Interferometer MarSurf TWI 60 was presented to the market. The MarSurf TWI 60 was one of the three finalists of SPIE’s (International Society for Optics and Photonics) 2015 PRISM Awards, and winner of the German AMA (Association for Sensors and Measurement) 2014 Innovation award.

The Mahr Group has now broadened its technology base by adding the leading-edge surface and wavefront metrology from ESDI. According to Mahr, ESDI – with its Dimetior and Intellium product series – complements the Mahr product portfolio.

Hans Grass

APPOINTED VICE PRESIDENT OF STAR SU’S MACHINE TOOL DIVISION

Star SU recently appointed **Hans Grass** as vice president of its machine tool division.

Grass brings 43 years of experience in the machine tool industry, including thirty nine years in management roles – most recently (for 10 years) as vice president of engineering for Bourn & Koch. Prior to his last position, Grass managed the machine tool operation of American Pfauter as vice president of engineering and manufacturing for 18 years after various management positions at Pfauter. After the Gleason/Pfauter merger in 1996, starting in 2000, Grass managed the sales and service of all European Gleason operations for the North American market as director of distributed products. Grass also served as president for Index Corporation USA from 1998 and 2000.



Grass has gained in-depth expertise of gear manufacturing machine tools as well as milling, turning, grinding and other machine tools.

Grass was educated in Germany with a Pfauter machine tool apprenticeship program, complemented by three years of engineering studies.

Darian Ditzler

RETURNS TO LUREN PRECISION AS MACHINE TOOL SALES MANAGER

Luren Precision Chicago recently announced the return of **Darian Ditzler** as their machine tool sales manager.

Ditzler started with Luren Precision in January of 2011 and has coordinated and attended many different trade shows, including multiple IMTS and Gear Expo shows. As a good ambassador for Luren in the U.S. market, Ditzler has visited many factories in the U.S., Canada and abroad, presenting Luren's products and understanding how Luren can continue to grow in North America.



Solar Atmospheres

INSTALLS RECORD-SIZED HORIZONTAL HIGH VACUUM FURNACE

Solar Atmospheres of Western Pennsylvania recently announced the installation of the largest horizontal high vacuum furnace ever constructed at their Hermitage facility. The furnace will be engineered and manufactured by its sister company, Solar Manufacturing, Inc.

The entire investment for Solar Atmospheres will be on the order of \$8 million, including the cost of this large furnace, a new 20,000 square foot building addition and utilities to operate this large system.

"We will all be very busy over the next year, not only preparing a site to expand our current facility by another 20,000 square feet to house this newest piece of equipment, but also assembling and building the new equipment on-site," said Robert Hill, president of Solar Atmospheres Western Pennsylvania. "All of our employees are eagerly anticipating the day that we commission one of the most unique vacuum furnaces in the world."

This car-bottom type furnace Model HCB-84576-2EQ will have a work-zone that measures 7×48 feet and will be capable





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of handling loads up to 150,000 pounds at 2400oF. Dual US patented loading cars are provided for loading/unloading from both ends of this furnace with its 48-inch long hot zone.

The vacuum chamber is being manufactured by Youngberg Industries, Inc. of Rockford, IL. and will incorporate three 48-inch diameter vacuum ports as well as six 24-inch diameter ports for gas cooling inlet and outlet. Autoclave type locking doors are included at both ends of the furnace.

“This is the largest horizontal high vacuum chamber they have ever manufactured,” said Tom Larson, CEO of Youngberg Industries.

The programs for the engineering and construction phases have been initiated with key orders placed for major system components. The ultimate goal is to have installation and testing completed by the first quarter of 2016.

Heiko Machine Tools

CHOSEN TO SELL CESAR GALDABINI PRODUCTS

Heiko Machine Tools of Canton, MI recently announced that it has been chosen by Cesar Galdabini SPA of Milan, Italy, as the sales and marketing representatives for their straightening and rounding machines in the North American Market. Galdabini produces manual and automatic straighteners for all sizes and types of bars, tubes, and shafts as well as special shapes like gun barrels and steering racks. The smallest of the automatic straighteners are sized from .12 inches diameter by 6 inches length while the large machines handle more than 52 inches diameter by 43 feet length.

HEIKO MACHINE TOOLS

Galdabini also makes machines for rounding of numerous types of rings such as synchro rings, gear blanks and bearing races up to large ring gears for wind power planetary systems. Laser inspection developed by Galdabini can be integrated into any of the machines for unparalleled quality while full automation designed and built in house makes for unmatched productivity.

James Petiprin

NAMED REGIONAL SALES MANAGER OF EMAG

EMAG recently introduced **James Petiprin** as the new regional sales manager representing Michigan and Ohio, as well as eastern Pennsylvania and New York. Petiprin has over 15 years experience in the machine tool and automation market.

Petiprin earned his Bachelor's of



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Key Note Speakers



Michael Schöffmann



Dr Eckhard Scholz



Gerald Killmann



Dr Robert Fischer

Michael Schöffmann

Head of Transmission Development | Audi AG

Dr Eckhard Scholz

Chief Executive Officer (CEO) | Volkswagen Commercial Vehicles

Gerald Killmann

Vice President R&D2 | Toyota Motor Europe

Dr Robert Fischer

Executive Vice President Engineering and Technology Powertrain Systems | AVL List GmbH



Larry Nitz



Wolfgang Müller-Pietralla



Dr Rolf Leonhard



Dr Wolfgang Reik

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Science from Central Michigan University and has held several positions in the manufacturing industry. Most recently he represented Swedish conveyor company Ewab as a business engineer.

Contour Hardening Mexico Heat Treating Facility

COMPLETES ISO/TS CERTIFICATION

Contour Hardening, Inc. recently announced the ISO/TS certification of its heat treating service facility in Silao, Guanajuato, Mexico. The company's U.S. heat treating facility has been certified since 2004.

The rapid expansion of vehicle and related component manufacturing in Mexico has resulted in a local deficit of TS-certified suppliers in general, and induction heat treating process service providers specifically. With its new TS certification, Contour Hardening will have in-country capabilities to deliver direct-to-line parts, components and assemblies that meet the industry's mandated heat treating standards.

"Because we were one of the first ISO certified heat treating operations in the U.S. and were among the first HT process service providers to achieve ISO/TS certification as well, we are uniquely suited to immediately serve the needs of a wide range of customers in Mexico," said John Storm, president and CEO of Contour Hardening. "We've already solved the technical problems that will hinder others and have formed solid, long-standing relationships with all major OEMs and their tier-one and tier-two suppliers. We've also processed more than 12 million parts in our Mexico facility alone."



Patented Micropulse induction heat treating equipment is built to ISO standards. Today, the company's Micropulse equipment continues to process parts for virtually every major automotive manufacturer in the world.



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