

# Marposs

## CELEBRATES 50 YEARS IN NORTH AMERICA

Marposs Corp. commemorated the 50th anniversary of its founding in North America during March 2013. Marposs is one of the world's leading suppliers of precision metrology equipment for improving productivity and reducing cost in manufacturing. Its products include inspection, measurement and process control solutions including gauges and compensation systems for grinders and other machine tools; manual gauges, sensors, probes and other gauge components; automatic measurement and inspection systems; hardware and software for



data collection and process analysis; tool, machine and process monitoring and control systems; automatic assembly systems; and equipment for leak testing and non-destructive testing.

The North American headquarters in Auburn Hills, Michigan, home to over 130 employees, is one of the 79 offices located in over 20 countries. The company's parent, Marposs S.p.A. in Bologna, Italy, employs over 2,600 people in major manufacturing, sales and service centers around the globe.

Since its inception in 1963, Marposs Corp. has been a vital supplier to the auto, truck and off-road vehicle manufacturing industry, supplying gauges and other apparatus for measurement and inspection of engine and transmission components. More recently, the company has expanded into applications such as ensuring the quality of windshields and other glass components. Today, the company partners closely with original equipment manufacturers and contract manufacturers, providing products as diverse as manual, hand-held and go/no-go fixed gauges, to in-line automatic machines capable of making scores of measurements in only seconds. In some cases, the engineering for new manufacturing programs is generated by the customer and supported by Marposs locally, while the actual equipment installation may be located elsewhere in the world.

Marposs has also continued to grow into markets beyond automotive and other vehicular manufacturing. Industries such as Medical and Aerospace now account for a significant and growing portion of the company's annual sales. Examples of the specialized technologies necessary for these manufacturing applications include a sophisticated camera-based system for detecting microscopic flaws in orthopedic parts such

as shoulders, knees and hip joints, and an automated measuring machine for checking air foil components for the aerospace industry.

According to Marposs Corp. President, Ed Vella, the perception of measurement and inspection in manufacturing has undergone a dramatic shift. "Fifty years ago when Marposs Corp. was established, 'gauging' was an ugly word—a necessary evil," said Vella. "Manufacturers knew they needed gauging to help monitor and control quality. But frequently they resented it and made it an after-thought. Today, the majority of our customers understand that by partnering early on with their gauging supplier, they can experience increased productivity, reduce cost in manufacturing and shorten new component launch time."

"Marposs has a diverse and expanding range of technologies, developed in house and through acquisitions, that can be applied depending upon the customer's application," said Vella. "We can successfully work with the customer to select the measurement and inspection solution best suited to the requirements for part condition, production rate, flexibility and so on."

## Drake Manufacturing Services Co.

### HIRES INSIDE SALES AND CONTRACT ADMINISTRATOR

Drake Manufacturing Services Co., a Warren, Ohio, precision machine tool builder, has recently hired **Lauren (Fig) Chandler** as inside sales and contract administrator.

She is responsible for reviewing and processing new machine inquiries, managing sales contracts, and working with Drake's sales, engineering, and production teams to ensure the unrivaled level of customer satisfaction associated with the Drake brand.

Chandler's experience includes a three-year teaching assignment in Kyotanabe, Japan, and an operations administrator internship with Altek Europe Ltd. Her experience abroad complements Drake's global exposure in the machine tool industry.

An MBA graduate of the Weatherhead School of Management at Case Western Reserve University in Cleveland, Ohio, she has a B.A. in East Asian Studies from Wittenberg University in Springfield, Ohio, and is certified as a Six Sigma Green Belt.



# Koepfer America

## EXPANDS STAFF, ACQUIRES GETRAG'S GEAR TIMING PRODUCTION

Koepfer America has added **Joshua Eggebrecht**, application engineer. His primary responsibilities will be the support of hob and fixture sales as well as Koepfer America's hob sharpening program. Eggebrecht's addition to the Koepfer America engineering support team will enhance customer service as well as the company's ability to design fixtures and other machine-



related items in-house. Dennis Gimpert, president of Koepfer America, said of Eggebrecht's hiring, "We look forward to Mr. Eggebrecht's continued support for the Koepfer America engineering team. His enthusiasm and unique skills have already made a positive impact on our services and clients."

Before joining Koepfer America, Eggebrecht completed his Bachelor of Science degree by designing a project to incorporate advanced dispatching systems into a virtual suburban fire department. With this type of pragmatic problem solving, he adds a strong skillset to Koepfer America's workforce. "I am excited about my position here at Koepfer America and look forward to providing both unique and routine solutions to our customers' hobbing and fixturing needs," said Eggebrecht.

### Koepfer Acquires Getrag's Timing Gear Production

Additionally, the company, Koepfer Zahnrad- und Getriebetechnik GmbH, headquartered in Furtwangen, Germany, has acquired the Getrag timing gear production in Ludwigsburg, Germany. The acquisition closing happened in June 2013, expanding Koepfer's presence and capabilities for clients worldwide.

Getrag now focuses on its business of transmissions for passenger cars. Getrag, headquartered in Untergruppenbach, Germany, is one of the world's largest system suppliers for transmissions with approximately 12,500 employees and 24 locations worldwide. The 137 Ludwigsburg plant employees are now under Koepfer employment.

Bernd Eckl, executive vice president of sales, marketing and business development of Getrag said April 2nd: "It is our clear strategy to focus on the transmission business globally. With this focus, it has always been very important for us to find a future-oriented solution for our employees in Ludwigsburg. Ludwigsburg has for a very long time not only been contributing to our success, [but] it will always be a place of history for our company. We are grateful for the job our employees have done here. This is why we are happy to have found a strategic buyer who acts with discernment and offers the employees the future prospects they deserve."

Koepfer has announced its plans to generate additional orders for the plant. The plant's backlog is filled through 2016.

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## Ipsen

### COLLABORATES WITH EXONE ON 3-D PRINTING SOLUTIONS

When constantly out-doing the competition is the name of the game, meaningful collaborations are of the utmost importance. Ipsen is pleased to have been selected by ExOne, a global provider of 3-D printing machines and printed products, as a vacuum furnace provider as a part of an initiative to streamline production in the field of additive manufacturing and offer customers a complete 3-D printing package. David J. Burns, ExOne's president and COO, noted, "We sought to simplify the purchasing process for 3-D printers by offering a complete printer-furnace package. Ipsen is ideal for us to collaborate with given their industrial focus and global presence."



Ipsen is committed to improving the world around us by helping customers realize their visions of a better future, and Ipsen pursues those visions with integrity and passion. This pursuit involves continuously creating evolutionary and revolutionary innovations by exploring new ideas, methodologies and technologies. "As technical experts dedicated to lean manufacturing, Ipsen was chosen due to our reputation for custom innovations and focus on product development," explained Geoffrey Somary, Ipsen USA president and CEO. "We are excited about this collaboration, and the opportunity to pool our knowledge with ExOne to provide a reliable solution for customers."

## Dayton Progress

### ANNOUNCES PLANT TRANSFER PUNCH BLANK PRODUCTION

On November 6, 2012 Dayton Progress was acquired by Misumi Group Inc. of Japan, for the strategic reasons of geographic fit and numerous internal synergies between the companies. Dayton Progress has long been known for the quality of its high performance semi-finished punch blanks, which allow rapid manufacture and shipment of more than 300,000 different part numbers each year and a consistent order-to-order product performance. All Dayton blanks are currently made in Dayton, Ohio for all Dayton plants worldwide. Misumi has a very large modern factory complex in Vietnam which supplies all Misumi punch making factories worldwide with very

high quality and high performance blanks. Over the next several years, the Misumi Vietnam blank factories will expand and adopt the Dayton Progress blank-making process, after which most manufacture of Dayton blanks will transfer from Ohio to the Misumi plant in Vietnam. All the benefits of economy of scale will be realized. Dayton customers will continue to enjoy all the performance benefits of the Dayton blank, made with the *same process* and the *same steel* as before. Quality, metallurgical integrity and consistency and delivery all will be unaffected by this transfer. There will be no impact to the 500+ jobs at the Dayton Ohio location as a result of this transfer, which will free up space and capacity for continuing growth.

## QuesTek

### HIRES CHIEF EXECUTIVE OFFICER

QuesTek Innovations LLC is pleased to announce **Dr. Aziz Asphahani** is joining the organization as the new CEO effective July 1, 2013. He will be leading the company's efforts in growth and business development.

QuesTek designs, develops, and commercializes new high performance materials, such as Ferrium S53, which was designed for the U.S. Air Force

as a more corrosion resistant alternative to incumbent ultra high strength steels that require toxic cadmium coatings. Its Ferrium C61 and C64 alloys are being evaluated under Army-funded programs as next generation rotor shaft and transmission gear steels by Boeing and by Bell Helicopter.

"We are extremely fortunate that Aziz is joining the QuesTek team as our chief executive officer. He brings a wealth of experience along with a history of strong leadership. As our materials design technology continues to mature and we move into newer and more advanced design programs, his guidance will prove invaluable to our continued success," said Mr. Raymond Genellie, Jr. (co-founder & VP of operations) and concurred by Dr. Greg Olson (co-founder & chief science officer).

Asphahani has an extensive background in both metallurgy and business, having acted as director of technology/R&D at Cabot Corporation, vice president of sales and marketing at Haynes International, and president at both Cabval and Carus Chemical Company.

He has also been very active in a number of professional organizations including having served as president of ASM International, ASM foundation chairman, director of NACE and member of the American Chemistry Council board of directors.

Asphahani holds a Diplome Ingenieur - Physics from Ecole Centrale de Paris and a Ph.D. in Materials Science from the Massachusetts Institute of Technology. He is an expert in alloy development and metallic corrosion, has been awarded eight



patents and has authored more than 65 papers on high alloys and corrosion control throughout his career.

"I am truly excited about joining this talented team of scientists and engineers, focused on innovations and rapid implementation of advanced materials design, through their expertise and experience in integrated computational materials engineering," says Aziz.

## Solar Atmospheres

### AWARDS EDUCATIONAL SCHOLARSHIP

Solar Atmospheres of Western Pennsylvania (SAWPA), in conjunction with the Metal Treating Institute (MTI) and Industrial Heating, has awarded an education scholarship to Sarah Luna of El Paso, Texas. Luna is majoring in Metallurgical and Materials Engineering and will soon begin her senior year at the University of Texas at El Paso.

The scholarship was part of the Master Craftsman Heat Treater of the Year award, won by SAWPA, through which an endowment of \$1,500 is presented annually to a student in a metallurgy or materials science program. MTI president Tom Morrison states, "MTI feels it's imperative that the heat treating industry encourage and reward the next generation of engineers and metallurgists. Every industry is fighting to win the hearts of the younger generation and we love it when we can be involved in helping lead someone to an exciting career in heat treating."

Luna was selected by a Solar Atmospheres committee based on her academic record, honors, demonstrated leadership, participation in school and community activities, and work experience. President of SAWPA, Bob Hill, adds, "Sarah is a very intelligent woman who truly loves the material engineering career path that she has chosen. During her co-op at NASA, Sarah worked on corrosion issues with the space shuttle, analyzing orbital debris, and new materials that are cited for future deep space exploration."

The award was presented by Hill and *Industrial Heating* associate editor Bill Mayer at Solar's vacuum heat treating facility in Hermitage, PA. Mayer notes, "*Industrial Heating* is honored to donate the funds for this scholarship. We would like to thank Solar Atmospheres of Western PA for taking the time and effort to conduct a national search to find a worthy candidate, and we want to congratulate Sarah Luna and wish her the best of luck in her career."

"The vacuum heat treating performed at Solar Atmospheres of Western PA is amazing. It was very interesting to learn about the unique processes for specific parts. The furnaces were pretty incredible and I especially liked seeing range of products processed from the Boeing Dreamliner seat tracks to the tiny medical device parts. Thank you for everything," Luna said.



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