

## Howard Sanderow

### 1945–2009

AGMA consulting member Howard Sanderow passed away February 2, 2009 in Columbus, OH. Sanderow was president of Management and Engineering Technologies, (MET Group, Inc.), a powder metal consulting company he founded with his wife Barbara in 1988.



Howard Sanderow

Sanderow was a past president of the Powder Metallurgy Parts Association, a member of the Metal Powder Industries Federation (MPIF) Technical Board, and he was serving as chairman of the MPIF Standards Committee and executive director of the Center for Powder Metallurgy Technology. Sanderow authored more than 225 technical papers in the powder metallurgy field and a book on high temperature sintering. He held two patents, according to the AGMA.

He received a Bachelor of Science in metallurgical engineering from Rensselaer Polytechnic Institute, a Master of Science degree from the University of Pennsylvania and a Master of Business Administration from Wright State University.

In 1966 Sanderow started his career with the GE Missile and Space division. In 1970, he joined TRW, where he was appointed plant metallurgist at the Supermet division in Dayton and was promoted to general manager in 1980. He was awarded the MPIF Distinguished Service to Powder Metallurgy Award in 1995 and was named a Fellow of APMI International in 2007, according to the MPIF.

Sanderow is survived by his wife Barbara, daughter and son-in-law Meredith and James Grosser; son and daughter-in-law Lewis and Jennifer Sanderow; grandchildren Mara, Gabi and Emma Sanderow; Eli, Lindsey and Jonah Grosser; sister Sheryl Solow and brother-in-law Barry Tannebaum. Memorial contributions may be made to the Leukemia and Lymphoma Society ([www.leukemia-lymphoma.org](http://www.leukemia-lymphoma.org)) or Beth Abraham Synagogue Sanderow Fund ([www.bethabrahamdayton.org](http://www.bethabrahamdayton.org)).

## David Brown Gear

### PURCHASED BY CLYDE BLOWERS

Textron Inc.'s entire fluid and power division was sold to Scottish-based group Clyde Blowers. The deal, worth \$1 billion, included David Brown Gear Systems, Maag Pumps, David Brown Hydraulics and Union Pumps. All but the latter will remain separate portfolio companies. Union Pumps will integrate with Clyde Pumps.

"This is a very positive move for both parties, as well as a great fit for employees," says Lewis B. Campbell, Textron's chairman, president and CEO. "Clyde Blowers is gaining world-class operations with Textron's Fluid and Power group of companies, including some of the most advanced technologies, respected brands and highly talented people in their respective industries, while we continue to strategically focus our portfolio of businesses to deliver even more meaningful value growth, profitability and shareholder return."

## Xspect Solutions

### APPOINTS APPLICATIONS ENGINEER FOR GEAR MEASURING EQUIPMENT

Elliott Mills is now the applications engineer for Xspect Solutions/Wenzel gear measuring equipment. Mills previously worked as a manufacturing engineer, industrial engineer and production supervisor for American Axle and Manufacturing. He earned a degree in manufacturing engineering and a master's degree in operational management from Kettering University—formerly General Motors Institute—where he is currently completing an MBA.

In his new position, Mills is responsible for developing new gear measuring applications using Wenzel GMMs, Renishaw scanning probes and the *OpenDMIS* gear measuring software module.



Elliott Mills

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## NEWS



## Kleiss

### EXPANDS INJECTION MOLDING CAPABILITIES

With the addition of the Microsystem 50 micro-injection molding machine from Battenfeld, Kleiss Gears is tapping into the miniature plastic gear market—with emphasis on the medical devices industry.

The Microsystem machine is a modular production cell capable of injection molding, handling, inspection and packaging within clean-room conditions. Gears weighing less than 100 mg can be molded almost void of material waste and consuming less energy than traditional injection-molding machines.

“We have been quite successful molding miniature gears with our conventional injection-molding presses,” says Rod Kleiss, president of Kleiss Gears. “But we found that to produce true micro-gears on our current machines resulted in too much waste material to make the gears cost-effective for our customers.

“We are proud to be the only gear molding company in the United States using this technology to produce micro-molded precision gears, and we are in the design and tooling stages for the first scheduled production run on the new Microsystem for a major medical OEM.”

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# Bodycote

## SIGNS SUPPLY AGREEMENT WITH AFC-HOLCROFT

Bodycote's 190 commercial heat treatment facilities in 27 countries are being supplied with a common batch furnace platform supplied by AFC-Holcroft, per an agreement reached between the two companies. The purpose of the agreement is for each Bodycote plant to operate with consistency, using the same equipment.

AFC-Holcroft's Universal Batch Quench (UBQ) product family can be provided to Bodycote at a reduced cost with local service support available in all the key regions Bodycote operates in. The controls architecture will be standardized throughout the plants as another benefit to the agreement.

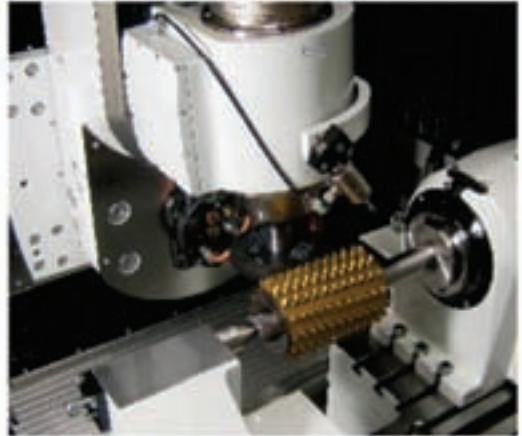
"This agreement represents a great alignment of AFC-Holcroft's global capabilities and products with a progressive customer that has done a tremendous amount of work in mapping their own global strategy to remain the leader in the commercial heat treatment marketplace," says William Disler, vice president of sales and engineering at AFC-Holcroft. "We are very pleased to have the opportunity to be a part of their global strategy."

"Bodycote recognized the need to buy the best equipment at the best price as a means to improve our return on investment," says John D. Hubbard, CEO/Metallurgist, P.E., Bodycote, plc. "After benchmarking the best features of each of the myriad of furnaces we have, a 'best of breed' was created. The key furnace manufacturers were given an opportunity to propose a long-term win/win approach to satisfying our batch integral quench furnace needs, and after careful review and consultation, we selected AFC-Holcroft as the best fit for our needs."

"Their commitment to open communication coupled with their desire to be the best was the deciding factor. We have now received furnaces manufactured in all their geographic facilities and have been pleased with the quality, timeliness and follow-up. We look forward to a continuously improved relationship that truly is good for both companies."

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## NEWS

### FARO

## NAMES BUSINESS DEVELOPMENT DIRECTOR

Gary Telling was appointed as one of the business development directors at FARO Technologies, Inc. He began his career in the automotive industry working for General Motors as a production supervisor. In 1991, he was chosen by GM to study industrial technology at Purdue University, where he finished first in class.

Holding various engineering roles for the company over the years, Telling established GM's first modern metrology operation. He handled dimensional and quality control for eight new GM product launch sites by 2002, and he helped teams create GM's proprietary data analysis system using code he personally developed. His most recent position was as advanced global metrology lead, where he researched, benchmarked and developed business cases for GM's metrology strategies while discovering and implementing new applications for technology. Teller has been honored with the "People Make Quality Happen" and "President's Council" awards from the company.

"Gary's expertise will be crucial in helping us solve our customers' challenges not only in the automotive arena, but in other key and emerging markets as well," says David Morse, FARO SVP and managing director of the Americas. "He will help them be innovative, effective and also be their voice in our product development process."

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## Hexagon Metrology

### ACQUIRES 3D SOFTWARE COMPANY

Technodigit SARL of Lyon, France, has been acquired by Hexagon Metrology. Technodigit develops the *3DReshaper* software, which is designed for 3D point cloud and 3D mesh manipulation for reverse engineering, rapid prototyping, product design and industrial inspection. The software helps organize and manipulate the millions of data points created by Hexagon's high-speed laser scanning systems, ScanShark laser probe and the Leica T-Scan.

"In the short run, the acquisition of Technodigit will

enhance our existing portfolio of software solutions dedicated to point cloud acquisition and manipulation,” says Ken Woodbine, president of Hexagon Metrology’s software development group, Wilcox Associates. “3DReshaper already has existing interfaces to certain ROMER portable arm packages, as well as compatibility with Leica Geosystems products. The longer view is that the core technologies and algorithms can be selectively incorporated into the PC-DMIS engine to create greater flexibility and functionality in our core software package, which is the de-facto standard software for dimensional inspection at many of our worldwide customers.”



Pascal Lefebvre-Albaret, president of Technodigit, says, “Hexagon metrology companies have been good customers for us for many years. Gradually this relationship has transformed into a partnership and ultimately we were asked to join the Hexagon Metrology family. We are very proud to be part of the world’s leading metrology group, with the ability to offer our advanced technology as part of Hexagon’s portfolio of software solutions.”

## Surfware

### FILLS PRODUCT, SALES MANAGER POSITIONS

Greg Schils has been promoted to product manager for Surfware Inc., and Eric Brown joined the sales team as direct sales manager.

Schils is responsible for overseeing product development and expanding functionality for the *Surfcam* software and

continued

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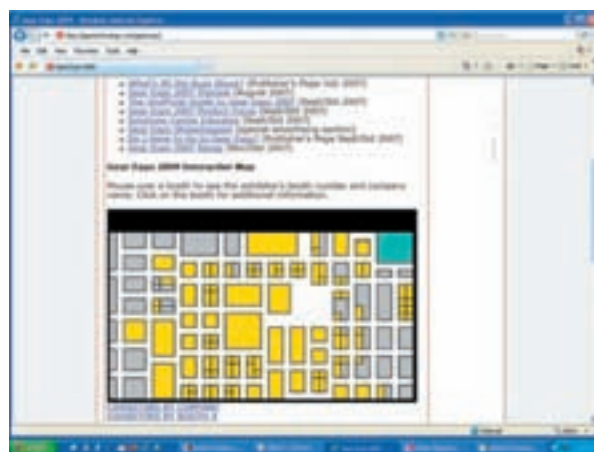
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## NEWS

*TrueMill* technology. He has been with Surfware for more than 13 years in the application engineering department.

"We are very pleased that Greg has accepted the position of product manager," says Stephen Diehl, president and CEO of Surfware. "His skill-set with *Surfcam* is one of the best in the market. Our products and company are growing



Greg Schils

quickly and will benefit from Greg's leadership. With his valuable combination of software knowledge and hands-on experience, Greg will provide an innovative, solutions-based approach to product development at Surfware."

Brown is responsible for creating direct sales in the Surfware Direct territories. He has more than 20 years of experience selling CAD/CAM, PLM and complementary products applications and solutions. His experience includes industries like electronics, aerospace/defense, semiconductor, medical products and other manufacturing and engineering technical sectors.

"Eric will help us continue to build our Surfware Direct customer base, both with *Surfcam Velocity* and our patented *TrueMill* technology," Diehl says. "We look forward to leveraging his skills in a variety of industries that will benefit from our high quality and innovative *Surfcam* software. Eric's insight and professionalism will also add value to our overall marketing efforts."



Eric Brown