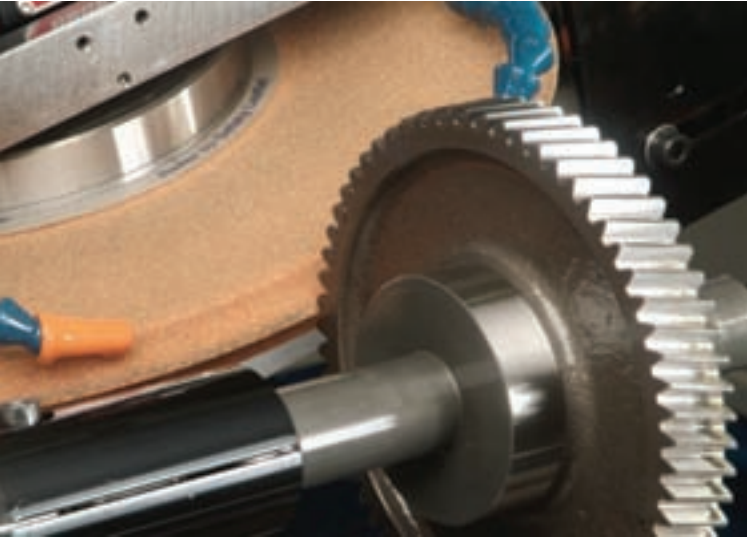


## Holroyd

### INTRODUCES CUSTOM GEAR MANUFACTURING SERVICE



**H**olroyd is harnessing the DIN 2 capabilities of its new GTG2 gear grinder to provide a custom gear manufacturing service for high precision helical and spur gears in diameters up to 350 mm and 160 mm gear face widths. The new service meets the market need for increasing accuracy of small volume, high precision gears in aerospace and high performance automotive applications, industrial optics and custom designed industrial products.

“The helical service is a complement to our existing and well proven high precision worm gear business,” says Paul Hannah, Holroyd’s sales director. “Using the GTG2 machine, we can grind even small batches of helical/spur gears to DIN 2 levels of quality, with some features achieving DIN 1. This performance means that our service is ideal for providing items such as master gears for prototyping, timing gears for use in aerospace applications and helical gears for use in high performance gearboxes and oil pumps.”

Included in the service is a package of design advice and manufacturing with a particular focus on predicting actual stress in helical gear applications. This is accomplished with Holroyd’s stress prediction software, which enables the company to optimize gear designs with profile and lead modifications to achieve the optimum contact conditions for low noise and high strength.

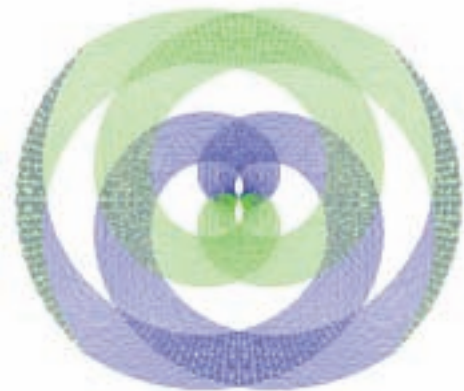
Another component of the package is the ability to replicate the profile derived from software on a gear grinding machine. The GTG2 has an on-board scanning probe and dresser compensation that enables replication of any lead and profile

modification from prediction software to minimize contact stress and pitting.

In addition, the GTG2 machine uses form grinding rather than generating grinding. According to Hannah, that offers flexibility for flank and root profiles and produces a quieter surface texture with reduced risk of thermal damage. The machine has an uncommon method of compensating for helical twist. The GTG2 calculates additional motions of the grinding wheel and modifies the grinding wheel’s angle of inclination. So, during grinding, either alone or in combination with other axle deviations, the result is better tooth contact during meshing and improved load bearing and transmission capability. ■

## Trogetec

### CREATES GRAPHICS AFFILIATE FOR GEAR ILLUSTRATING



ESPCO was created as an affiliate of Trogetec Inc. and is dedicated to the creation of artistic graphics that can be formulated in exact mathematical terms and expressions to describe motion or curves suitable for gears or other similar profiles used in mechanical engineering.

In the areas of gear design, manufacturing, quality control, engineering or CAD/CAM involving the geometry and kinematic aspects, such curves provide a link between the accomplishments of mathematicians like Archimedes, Galileo and Euler. According to ESPCO’s press release, the company’s mission is to cultivate the important connection between the influence of the historic mathematicians and modern gear manufacturing as well as the connection between analytical design and CAD/CAM.

continued

A virtual toy set called *eSpiroPlot* is the main tool to achieve this goal. All interested PC users may access *eSpiroPlot* online, and it's also offered offline in the tradition of the famous toy Spirograph®.

Trogetec plans to present one full-page-size *eSpiroPlot* design theme of the month for framing or poster sizes up to 36" x 28" on custom orders. ■

## NOVA Systems

PROVIDES DIGITAL MOTION CONTROL RETROFIT FOR GEAR CUTTING MACHINES



NOVA Systems has introduced a program for retrofitting gear cutting machines and aging CNC controls with state-of-the-art digital motion control.

At the heart of the new PC-based control is a Delta Tau motion card and a custom operator-interface which provides all the basic functions of a state-of-the-art CNC control system to the application. Optional capabilities can be included if necessary.

According to the company's press release, each NOVA gear cutter retrofit is tailored to a particular machine and includes a new operator's interface, which is customized to a specific application. In some cases, completely new equipment is furnished from servomotors to the operator's pendant. In other cases, existing equipment is integrated into the PC control. ■

# AUCTION

[www.goindustry.com](http://www.goindustry.com)

### Auction Sale on behalf of Opel Hungary Powertrain Ltd.

Sale Opens: Wednesday, 14 September 2005  
Sale Closes: Wednesday, 28 September 2005 at 14:00 CET  
Location: The sale will be held online at [www.goindustry.com/opel](http://www.goindustry.com/opel)

### Gear and other CNC Machinery, Heat Treatment and Assembly Equipment

for a Continuous Variable Transmission Gear Box (max. 180 Nm).  
All equipment is recent, YOM 2000

#### Assets for sale include:

ECM 5/10 Chamber-Vertical-Vacuum heat treatment unit; gear machinery incl. LIEBHERR LC 223 / L 153 / L 82; GLEASON TAG 400 and FAESSLER K 400A; CNC Broaching Machines by FORST; CNC Grinding Machines by JUNKER and GIUSTINA; modern Assembly and Testing Equipment; and much more.

#### On View: By appointment only

**Please note:** Offers for the immediate purchase of individual machines or groups of machines are invited until the date the auction starts, after which we will only be able to sell by auction.

For further information or to arrange an appointments please contact **Andreas Matuszczak**:

Tel: +49 (0) 208 625 548 8 Email: [andreas.matuszczak@goindustry.com](mailto:andreas.matuszczak@goindustry.com)

For details on this sale and all other current sales please visit our website: [www.goindustry.com/opel](http://www.goindustry.com/opel)



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### Corrections

In the June issue of *Gear Product News*, page 8, we published the wrong photograph with the news brief on KTR's Rotex ZS-DKM-H coupling. The correct photo appears here.



In addition, we also used the wrong image for Bodine Electric's gearmotor, page 9. The correct photo appears here.

The news item titled "Atlanta Drive Expands Servo Reducer Line" on page 5 contains the incorrect company address. Atlanta Drive Systems can be contacted in the U.S. at:

1775 Route 34, Unit D-10  
Wall Township, NJ 07727  
Phone: (800) 505-1715 or (732) 282-0480  
Internet: [www.atlantadrives.com](http://www.atlantadrives.com)

We apologize for any inconvenience this may have caused.

—The Editors



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## NEWS

### Gleason

#### NAMES PERROTTI ITS CEO

The board of directors of Gleason Corp. announced the promotion of John J. Perrotti to the position of CEO.

Perrotti will succeed John W. Guffey, who will remain with the company as vice chairman.

"The promotion of John Perrotti is a natural part of the transition we started in January," explains Chairman James Gleason.

"For the past six months I have had the pleasure to work closely with John Perrotti," Guffey says. "When I joined Gleason in January, one of my priorities was assessing the future leadership of the company. John Perrotti demonstrates and exemplifies the passion, performance and leadership qualities the board and I believe are necessary for our company's continued success, and the promotion of John to the position of CEO at this time was an easy decision to make."

Perrotti joined Gleason in 1986 and has served as president and COO since January. During his career at Gleason, he has held a number of positions, including executive vice president, chief financial officer and vice president of operations for The Gleason Works. He was elected to the company's board of directors in March 2000. ■



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### Ikona Gear

#### RECEIVES TECHNOLOGY INNOVATION AWARD

Ikona Gear received the 2005 Technology Innovation Award from Frost & Sullivan at the Excellence in Emerging Technologies Banquet.

The award was given specifically for its gearing technology platform as it applies to high-temperature planetary and winch-based gears.

"The Ikona gear design is more rigid, has a higher contact ratio than standard planetary gear designs and has lower friction as the gear rolls through its contact range rather than sliding with friction," says Frost & Sullivan research analyst Michael Valenti. "This solves some of the major problems with plastics being used in gearing today." ■

## Inductotherm

### HIRES NEW PERSONNEL

The Inductotherm Group has appointed Bill Bryant as regional sales manager and Peter Ross as a technical advisor.



Bill Bryant

According to the company's press release, Bryant will work for Inductotherm Group Canada as a regional sales manager for Canada, New York and Pennsylvania. He represents the products of Inductoheat, Radyne and Lepel, known as the Heating Group.

Ross has joined the company as a technical advisor specializing in Mains Frequency (50/60 Hz) induction systems, following the company's June acquisition of Ross Production Systems. Ross was president of Ross Production and a one-time director of manufacturing at Inductoheat. According to the company's press release, Ross brings 35 years of experience in Mains Frequency induction technology.

Inductoheat Inc. is a manufacturer of induction heating equipment and offers full service parts, coils and repairs. ■

## U.S. Group

### PURCHASES ROTO-FLO LINE AND GEAR TOOLING DIVISION

U.S. Group has purchased the Roto-Flo® spline and thread rolling machine product line and its rack and thread tool manufacturing division from Micromatic, a Textron company. U.S. Group will oversee the integration and management of the new organization through its subsidiaries, U.S. Equipment Co. and U.S. Gear Tools.

The Roto-Flo new machine build and remanufacturing operations have been relocated to U.S. Equipment's headquarters in Detroit. Spline and thread tooling will continue to be manufactured by U.S. Gear Tools at the existing 36,000-square-foot facility in Swannanoa, NC, where the existing management and workforce remain intact.

U.S. Equipment is a remanufacturer of used and redesigned machine tool equipment and provides machine tool evaluation, continued

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## NEWS

rebuild and turnkey retool services.

U.S. Gear Tools custom designs and manufactures cold forming racks, gear hones and gear shaving cutters and also provides contract production spline rolling for large and small production needs. Paul Simon, CEO of U.S. Equipment, says, "We are investing in new technologies and R&D to improve spline and thread rolling machines and further extend tool life." ■

## SECO/WARWICK's

### MAJORITY INTEREST ACQUIRED BY BOSWELL

Jeffrey W. Boswell has acquired the majority interest in SECO/WARWICK and has been named president and CEO. The minority shareholder in the company is SECO/WARWICK Ltd., Poland. Company president Andrzej Zawistowski and chairman of the board Paul Huber will remain active with the company.



Jeffrey W. Boswell

Boswell was previously vice president of corporate global sales and marketing for the corporation. He is also a member of the SECO/WARWICK Corp. board of directors as well as the board of directors for SECO/WARWICK Poland, which consists of SECO/WARWICK Ltd. and ELTERMA furnace companies in central Europe. He was also the chief representative of SECO/WARWICK Corp.'s representative office serving the Pacific Rim.

In addition, Boswell was president of the Industrial Heating Equipment Association and continues to serve on the board of directors and executive committee. He has been active with the association since 1990 and serves on the board for the CuproBrazing Alliance, a consortium of companies and organizations worldwide that facilitate the adoption of CuproBrazing technology.

According to the company's press release, Boswell has been in the heat treating industry since 1978 and started with SECO/WARWICK in 1986. ■