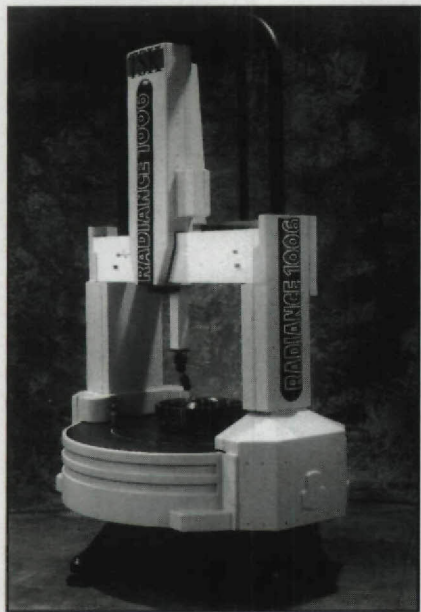


Welcome to our Product News page. Here we feature new products of interest to the gear and gear products markets. To get more information on these items, please circle the Reader Service Number shown.

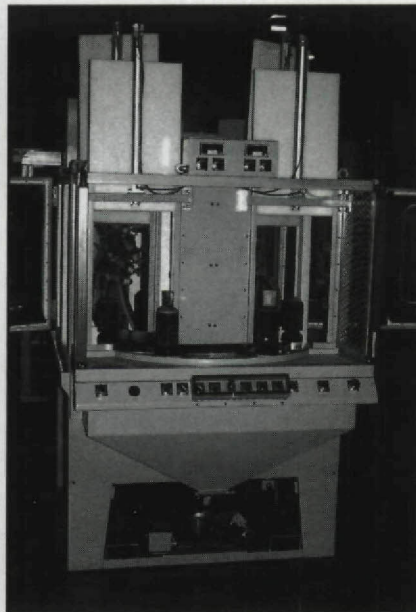


### New TSK Measuring System Performs Continuous Radial Scanning

TSK America has unveiled its Radiance Radial Measuring System (RMS), a solution for complex rotary measuring challenges. The all-new RMS permits unrestricted rotary scanning of parts such as gears, turbine blades, cones and other shapes with reduced cycle times and improved accuracy for complex measurements. The measuring range of the RMS is 1 m in diameter and 0.6 m vertically, yet the machine occupies less than 2.5 m<sup>2</sup> of floorspace.

The Radiance Measuring System allows manufacturers to collect information quickly and accurately. Linear accuracy in the X and Z axes is 2 microns; the U2 (X and Z axes) is 2.0 + L/500 microns. Angular accuracy is 3 arc-seconds. Acceleration is 1000 mm/s<sup>2</sup> along the linear axes (X and Z) and 250 mm/s<sup>2</sup> along the Y (round) axis. Measuring speeds are up to 250 mm/s. "The main advantage to the Radiance is that for the first time ever, users can complete a full radial scan of a nonrotating part without probe changes or reorientation," said Jack Epstein, TSK product manager and developer of the Radiance concept. For more information, contact TSK America Advanced Metrology Division at (800) 247-9875.

Circle 300

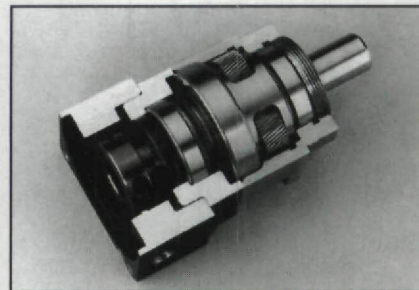


### Guyson Introduces New Rotary Indexing Blast System

Guyson Corporation announces the introduction of the Model RXS-1000 indexing spindle-blast machine. This midsized system is applicable to a wide variety of impact treatment operations such as shot peening, deburring, cosmetic finishing, etching and surface preparation, in which 360-degree coverage is required on components that must be handled and blasted individually.

Up to 12 component-holding spindles are located around the perimeter of the machine's 42" diameter indexing table. Components move through separate entry, blast and airwash chambers within the blast cabinet before returning to the front load/unload position. Vertical sliding doors, actuated by pneumatic cylinders, are available to seal the blast enclosure and isolate dust and noise from the work environment. The overall dimensions of the blast cabinet are approximately 72" high by 55" wide by 80" deep (183 cm x 140 cm x 203 cm). A full depth door with abrasion-protected view windows on each side of the cabinet enables full access for inspection, adjustment and maintenance. For more information contact John Carson, Guyson Corp., at (518) 587-7894 or via e-mail at [jccarson@guyson.com](mailto:jccarson@guyson.com).

Circle 301



### Thomson Industries Introduces the UltraTRUE Planetary Gearhead

The UltraTRUE Planetary Gearhead has the highest radial load capacity, up to 8,500 lbs., of all the Thomson Micron planetary gearheads. This ultra-precise gearhead was designed for the high torque performance requirements of tool changers and plasma and waterjet cutting equipment. The UltraTRUE has two important features: a standard 4-arc-minute backlash and crowned helical carburized steel gears that are hardened to a minimum of HRC 60 and flank-finished after heat treating for ultra smooth performance. The UltraTRUE provides lifetime lubrication and features a self-aligning RediMount system that speeds mounting to virtually any motor. For more information, contact Thomson at (516) 467-8000 or send E-mail to [gearheads@thomsonmail.com](mailto:gearheads@thomsonmail.com)

Circle 302

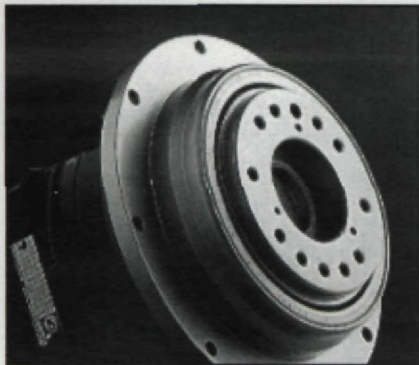
### New Small Parts Washer from Cincinnati Industrial Machinery

Cincinnati Industrial Machinery introduces its small parts washer with a unique 360° rotation and separation design. The washer features a special S-shaped track to guide round parts from side to side to ensure complete and proper cleaning. Parts remain separated throughout the wash and blow off stages via stationary slots. The brass drying trays prevent the parts from marring, which occurs with other metal trays.

For more information, contact Keith Williams, industrial systems sales manager, at (513) 769-0700 or by fax at (513) 769-0697.

Circle 303





### Alpha Introduces TP Low-Backlash Planetary Gear Reducer

Alpha Gear Drives, Inc., has announced the introduction of the TP Low-Backlash Planetary Gear Reducer.

The new TP gear reducer features a minimum backlash of less than 1-arc-minute, which is the lowest of any gear reducer currently available. The unit also offers an advanced motor mounting system that provides unparalleled motor shaft thermal expansion compensation. The TP ensures high-torsional rigidity due to its output flange and optimized planetary gear train. This creative design ensures maximum torque transmission, high efficiency (>95%), and the least audible noise. Because of its superior engineering, the Alpha TP is guaranteed to have the longest service life available today. For more information call Alpha at (847) 439-0700.

Circle 304

### ShapeGrabber Computer-Aided Inspection System Released

Vitana Corporation has announced its new ShapeGrabber Computer-Aided Inspection system for Part-to-CAD verification and inspection.

The tightly integrated ShapeGrabber includes the scanning head, translation stage, acquisition and inspection software, training, and even the PC. The system was developed for speed, accuracy, ease-of-use, and affordability. In particular, the system introduces new technologies to simplify fixturing, to streamline scan alignment, and to reduce noise. For more information contact Joel Bisson, president, at (613) 749-4445 or via e-mail at [joel.bisson@vitana.com](mailto:joel.bisson@vitana.com).

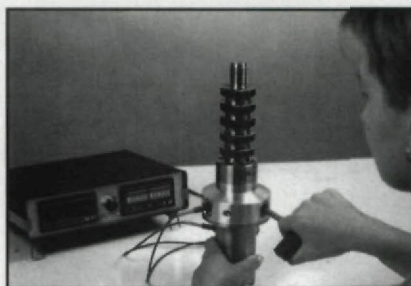
Circle 305

### Grieve Introduces New Electric Walk-in Oven

Grieve Corporation announces the introduction of its new No. 822 500°F electric walk-in oven. Workspace dimensions inside this unit measure 72" wide by 96" deep by 78" high. 60 kW power is installed in Incoloy sheathes tubular heating elements while a 6000 CFM, 5 HP recirculating blower provides a combination airflow, which sweeps around the workload, traveling upward to a return duct.

This Grieve walk-in oven features an aluminized steel interior and exterior, double doors at each end and a removable top-mounted heat chamber. Operating and safety equipment on this unit includes a digital indicating temperature controller, manual reset excess temperature controller with separate heating element control contactors, recirculating blower airflow safety switch and a fused disconnect switch. For more information contact Frank Calabrese, national sales manager for Grieve at (847) 546-8225 or by fax at (847) 546-9210.

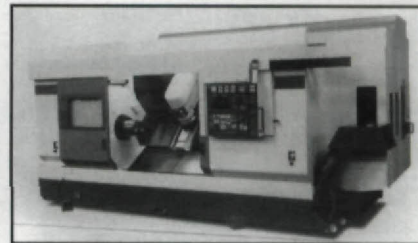
Circle 306



### New Digital Readout for Hydraulic Expansion Arbors

MyTec GmbH (Germany) has introduced a new digital readout system to monitor and control internal arbor/chuck pressures. Advantages of the new system include better expansion control when working with thin-walled parts and confirmation of full pressurization. Uniform clamping, especially in gear grinding and advanced aerospace applications, is another benefit. For more information contact Eurotech at (414) 781-6777 or via e-mail at [eurotech@execpc.com](mailto:eurotech@execpc.com).

Circle 307



### Mori Seiki Develops New Lathe and Machining Center

Mori Seiki introduces the MT-250, a lathe and machining center combination that reduces fixturing, increases product flow and gives greater accuracy on very complex work pieces.

"The MT-250 is the new standard in integrated machining and is the ultimate machine for parts requiring multiple processes," said William Jones, National Sales Manager for Mori Seiki. "We have gone beyond the conventional level of technology to create a machine that integrates full-scale turning and milling. Combining the lathe operations and machining center allows for more accurate work pieces and the elimination of extra handling in the shop."

The MT-250 features headstocks on both the left and right sides, making setup time shorter and promising high precision machining. The spindle design features the turning range from -90 degrees to +90 degrees, making oblique machining possible. The MT-250 also has an automatic tool changer that carries 20 tools attached to the saddle. The automatic jaw changer eliminates setup hassles when work pieces vary or require multiple machining. For more information, contact William Jones at (972) 929-8321 or by fax at (972) 929-0730.

Circle 308

Send your new product releases to:

**Gear Technology**  
1401 Lunt Avenue,  
Elk Grove Village, IL 60007  
Fax: 847-437-6618.

Tell Us What You Think...

If you found this article of interest and/or useful, please circle 212.