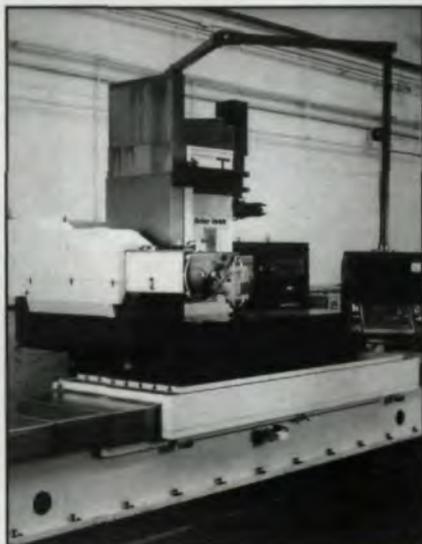


PRODUCT NEWS

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. Send your new product releases to: *Gear Technology*, 1401 Lunt Avenue, Elk Grove Village, IL 60007, Fax: 847-437-6618.



Holroyd TG350E Thread Grinder

This new model is able to grind a range of helical forms from one-off prototypes to high-volume production and allows fast and efficient changeover between jobs. It features touch-screen menu controls, profile management software, which ensures consistent accurate profile grinding to microns, and a 4-axis CNC wheel profiling dressing unit. It also has a workhead with hydrostatic bearings, a high-resolution AC digital servo system, hydrostatic ways, a 45kW grinding spindle motor and digital scanning probes for "in process" measurement during production or setup.

Circle No. 300

Tribology Tool

Computational Systems Inc., offers a new maintenance tool, the OilView 51DV Digital Viscometer. It provides on-site measurements of viscosity, the primary indicator of a fluid's lubricating property. The 51DV detects misapplication of lubricants, including wrong or mixed oils; detects fuel dilution in liquid-fueled engine applications and establishes lubricant viscosity for trending.

Circle 301



Electric Surface Finisher

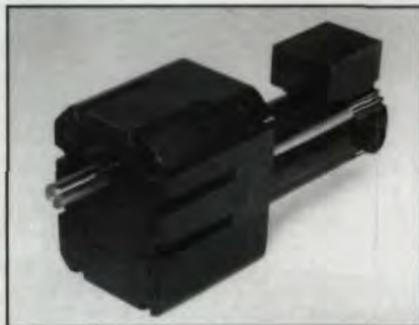
C. S. Unitec introduces a new way to sand and polish stainless steel, aluminum and other metals. Their variable speed, electric surface finisher features a rubber air-roller with an inflatable cushion, which adapts itself to the curvature of the workpiece for uniform, shadow-free finishing of flat surfaces and contours. Has an 11 amp motor and speed selections from 1,200 to 3,700 rpm, making it ideal for polishing, smoothing, dulling, graining, brushing and deburring. It can produce up to No. 4 and No. 8 Mill finishes.

Circle 302

Chemical Deburring Process

Surface Technology, Inc. announces the availability of DEBURR 1000, a process for deburring most types of steel. This electroless chemical process removes burrs on steel parts resulting from cutting, milling, forging and molding without distorting even the most intricately shaped parts. It is environmentally friendly and leaves parts clean and suitable for immediate use or subsequent surface finishing.

Circle 303



Improved High-Torque Gearmotors

Bison Gear announces an enhanced version of its new Series 650 parallel shaft gearmotors. This series has a gearbox measuring only 5" x 6.25" x 5.75", yet they deliver torques up to 720 in-lbs. They will now withstand occasional peaks up to 250% of their full-load torque. Gear ratio ranges are from 11:1 to 2206:1 and speeds range from 0.7 to 16 rpm. The units are lifetime oil lubricated and sealed with gaskets and O-rings. The gearmotors are available in 1/20, 1/6 or 1/2 hp and in 2-, 3-, 4- and 5-stage versions.

Circle 304



Portable CMMs

Weighing only 14 lbs, the new Romer 1000 series articulating arm CMMs are completely portable. The arm and its components are contained in a single suitcase, and setup takes less than five minutes. The arm is mountable in any orientation, even upside down. Arm lengths range from a 4-ft. to a 10-ft. diameter measuring envelope.

Measurement options extend its reach to 32 feet with no loss of accuracy. The system comes with a color notebook computer and software featuring graphic representation and on-screen relational storage of measured or theoretical geometric features. It interfaces to other popular CMM and engineering software and is Windows® 95-compatible.

Circle 305

New Preservatives

Esgard, Inc. introduces the "P" preservatives. These coatings are used in preservation and packaging of metal items such as gears, turbines, engines, automotive parts, lubrication systems, steam components and fill and drain voids. They are qualified per MIL-C-16173E. All are VOC-compliant, easy to remove and safe.

Circle 306



Collimating Magnifiers

GEI International introduces the ONS-0180 series of collimating magnifiers specifically designed to eliminate parallax errors when viewing objects. They are available with magnifying powers of 7x and 10x, and they feature flat-field, achromatic, color-corrected lenses, which provide distortion-free viewing. Applications include scientific measurement using meters, scales, thermometers, etc., and most inspection operations involving the visual measurement of an object. May be used in normal room light or on a light table or box.

Circle 307

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Internal/External Grinders

The NOVAMATIC internal grinder series handles parts with ODs from 10 to 200 mm, while the NOVAMATIC external grinder series has an OD range from 10 to 350 mm. These machines from Meccanica Nova offer straight/spherical grinding through interpolation, quick changeover tooling, total machine accessibility for easy maintenance, machine enclosures to EEC standards for environment protection, CNC

CIRCLE 133 or call 1-800-340-1160 x9133

or PLC controls, U.S. electricians, in-process/post-process gaging, part handling automation and multiple workholding/wheel dressing methods.

Circle 308



New Ceramic Abrasives

The Norton Co. announces its new Targa-VH Bond product line of advanced ceramic abrasives for demanding grinding jobs, particularly in cylindrical and plunge centerless grinding. The products are available in two concentrations: 50% (5TG) for difficult-to-grind materials, small contact areas and heavy stock removal, and 30% (3TG) for easy-to-grind materials, large contact areas and light stock removal. Grit sizes are 80/3, 80/4, 120/3 and 120/4. Wheel dimensions include >16-24" OD up to 6" thick, >24-36" OD up to 4" thick and >36-42" OD up to 3" thick.

Circle 309

New Gaging Technology

KMS Industries introduces new optical technology for gaging the contour of a surface. This technology can generate up to one million data points within one second to micrometer resolution. It measures absorbed light and can operate in the manufacturing environment because it is relatively insensitive to vibration, dust and ambient temperature.

Circle 310

New Design of Fine Grinding Machines

The MicroLine AC-1200, AC-1500 and AC-2000 machines from Peter Wolters of America are designed for double-side, fine grinding, lapping and polishing applications. They feature a new sliding head with a fixed spindle for superior upper wheel rigidity with increased horsepower. They also have a

newly designed, enhanced pressure control system for more predictable consistency in output quality, lower overall machine height, AC servo motors to interface with automation and built-in diagnostics.

Circle 311

Tell Us What You Think...

If you found this article of interest and/or useful, please circle 216.

NEW! NOW YOU HAVE ANOTHER CHOICE...
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A/W Systems Co. announces that it is now a manufacturing source of spiral gear roughing and finishing cutters and bodies.

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