

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.



Ono Sokki Linear Gage Sensor

Ono Sokki has introduced the Model GS251W linear gage sensor, which is designed to measure dimensions, thickness, curvature, eccentricity, displacement, height, depth, flatness, variation, runout, roundness, distortion, deflection and position. It uses linear glass scale technology, allowing the maintenance of highly consistent accuracy throughout the entire range of measurement. The GS 251W produces accurate measurement to 0.0004" throughout its 1" measuring range.

Circle 300

New Carbon/Soil Cleaning Process

Kolene Corp. has developed a low-temperature, environmentally friendly cleaning process for removing tough soils from parts made of steel, aluminum and heat sensitive alloys. Applications range from removing carbon, oils and gasket material from engine components to cleaning aluminum bearing housings. The Kolene® No. 6 Process consists of a compact immersion tank and proprietary cleaning salts. Cleaning takes place at approximately 600°F. The company says that in most applications, soils can be removed without heat distortion in less than 15 minutes.

Circle 301



Handheld Ultrasonic Thickness Gages

Krautkramer Branson has added a new capability to its models DM4 and DM4 DL ultrasonic thickness gages. With "through-coating" measurement, the coating (paint) layer thickness IS NOT included in the digital thickness reading of the gage. With a single key-stroke, the thickness of the metal without the coating can be read, eliminating the need to remove coatings before measurement and then repainting.

Circle 302



ISO 9000 Micrometer Calibration Sets

The L.S. Starrett Company has introduced the only complete 1" and 25 mm micrometer checking sets available in the industry that meet ISO 9000 requirements. The company says that the new Starrett/Webber Gage Block Sets are the fastest and most convenient method developed to meet the ISO 9000 recommendations. The 1" English Micrometer Checking Kits are available for U.S. Federal Accuracy Grades 1 and 2. The chromium carbide gage blocks in the sets are accurate to several millionths of an inch.

Circle 303



Portable Hardness Tester

EQUOTIP is a portable metal hardness tester that provides a comparable degree of accuracy (+/- 0.5%) regardless of the position from which measurements are made. This includes upward measurements, tests on concave surfaces or where access is difficult. The instrument can also test materials with irregular or rough textures or materials that are extremely hard. Hardness values can be printed out on a portable printer or transferred at a later date from the data memory to a computer. EQUOTIP meets ISO 9001 and now is standardized to ASTM A956-96.

Circle 304

First-CAM for Windows™

First-CAM makes it possible to program your NC/CNC machines more quickly and easily. The program includes NC-Code generation, editing and storage and direct PC-to-machine communication. It can be used to program mills, EDMs, lathes and other machines. It features DXF import/export, profile contouring and cutting with stock allowance, drilling patterns, full-feature geometry creation, tool path/tangency solutions, full-color graphics, a multi-window NC-Code editor, speed/feed and drill depth calculator, macros and more.

Circle 305

AGMA Creates ISO 6336 Software

New software from the American Gear Manufacturers Association tames the massive ISO 6336 Standard for rating external spur and helical gears. Available for both DOS and Windows, the new software can save gear engineers hours of research and calculation by allowing them to determine gear capacity in accordance with the ISO 6336 standard quickly and accurately,

compare their own designs and practices with the international standard and understand their competitors' ratings. The software addresses ISO 6336 Rating Method B, the most comprehensive rating method and provides clear, logical Windows screens that lead the user through every necessary step. For more information contact AGMA at 703-684-0211 or by e-mail at agma@clark.net.

Circle 306



Zeiss Multi-Probe CMM

The PRISMO MPS (multi-probe system), a bridge-type coordinate measuring machine from Carl Zeiss IMT Corp., comes with three interchangeable Zeiss probes—ST-ATC, RDS and VAST. In addition, the PRISMO MPS is available with the first roughness measurement probe offered in this Zeiss series. The multiple probes allow users to make precise single-point measurements, measure extremely complex geometries and measure dimension, form and position in one setup. The roughness measurement probe produces highly repeatable results. In comparisons with a roughness standard, deviations of +/- 10% have been obtained, which, according to the company, is acceptable for production-related measurements.

Circle 307

**IKEGAI...
Products for
Manufacturing**

Since 1961 Mitsui Machine Technology has represented a number of Japan's top manufacturing companies in markets throughout North America.

MMT has now joined with Ikegai Corporation to market their machine tool products. Ikegai is known for leading edge technology in CNC Turning Centers, Machining Centers, Gear Hobbing, Hob Sharpening and Internal Grinders. At Mitsui Machine Technology were helping you grow - Profitability

CNC chucker type from 8" to 12" chuck.
CNC universal slant bed type from 8" to 24" chuck,
15 1/2" to 120" center capacity and 12 to 50 horsepower.



Horizontal bed universal
CNC type from 23" to 98" swing,
39" to 314" center capacity and up to
147Hp. CNC VTL with 49 1/2" table and
50 horsepower.



CNC Vertical and Horizontal
machining centers, with new
U-axis for total
machining capability on the most
unique parts.



Vertical and Turret-Type
CNC Grinders for internal
and external grinding
with X and Z-axis full
scale closed loop
control.



CNC high speed production
hobbing, gear form grinding
and hob sharpening.
Diameter capacities
range from 3.93" to
15.74". All designed
for high-rigidity, high-
speed and use-friendly
operation.



CNC Horizontal Boring
and Milling Machines
with 37 1/2" x 41 1/2" to
98 1/2" x 118 1/2"
table, Fanuc 16iMA
CNC with
W-axis control.



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CIRCLE 110

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