

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.



### Equotip Hardness Testers

The Equotip Hardness Testers from Equotip Associates provide a comparable degree of accuracy ( $\pm 0.5\%$ ) irrespective of the position from which measurements are taken. The basic or standard "D" unit covers the hardness ranges of HRC (20-68), HRB (38-100), HS (30-100), HV (81-955) and HB (81-654). Six other impact devices can be connected to the standard unit. These are the DC for very confined areas, such as holes or cylinders; D+15 for grooves or recessed areas; G for solid components such as heavy castings or forgings; C for surface-hardened components and coatings; E for parts manufactured with synthetic diamond test tips for hardness in excess of 50 HRC; and DL for confined spaces or at the base of grooves.

Equotip is ISO 9001-certified and is standardized to ASTM A956-96.

Circle 301

### New Magnetic Scale Magnifier

GEI International announces the availability of a magnifier with mounting magnets incorporated within its body. This magnifier is specifically designed for reading the fine graduations on instruments such as rulers, verniers, calipers, protractors, etc.

The ONS-0385 is a 5-power magnifier which will conveniently attach to

both vertical and horizontal steel surfaces. The magnets within the clear plastic housing firmly hold the magnifier in contact with a steel surface. Using this magnifier, extremely fine graduations, such as  $1/100"$  marks on measuring scales, can be easily read without error. The magnetic base of the magnifier enables a workpiece to be manipulated with both hands.

The small size (1.73" x 0.79" x 1.18") and 0.53-ounce weight enables the magnifier to be carried in a shirt pocket ready for immediate use.

Circle 302



### Miniature CCD Camera For Bore Inspection

A new surface texture measurement system from Mahr Corp. combines skidless tracing with an on-board CCD camera for complete inspection of interior cylindrical surfaces.

When inserted into a cylinder, the PMB automatically calculates the length of the machining pattern, cross plateau honing angle and distances between parallel lines. It also includes an integrated datum plane for waviness assessment and other typical surface texture evaluations. It comes with a built-in CCD camera so users can optically check the measuring point and visually inspect honed surfaces via a PC monitor.

The PMB is shop-hardened and can measure bores of 2.9-3.9" inches to depths up to 7.8". Straightness error of the datum plane is  $8.0\mu$  in over 0.80" of travel. Measuring range is  $\pm 10,000\mu$ m.

Circle 303

## A Quick and Portable Solution to Your Process Inspection Needs

**Model 3500** offers inspection for both center distance and gimbals type checks, and has the repeatability and accuracy of fully automatic inspection machines. This shop floor ready unit can be utilized to verify set-up, or in-process inspection anywhere in a gear manufacturing facility.



The **2200 Series** is a rugged construction and tough finish unit available in both stud



arbor and column and overarm models. Ideal for on-the-spot quality control at the gear cutting machine - saving repeated trips to the inspection lab for checks on production equipment and tooling.

Find out how we can help you with your gear quality improvement.

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CIRCLE 110