

## 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.



### New Surface Measuring Instruments from Zeiss

Carl Zeiss IMT Corp. has introduced the TSK Surfcom 130A and Surfcom 480A surface measuring instruments for use in production. The 130A is a portable and compact high-precision roughness measuring system for evaluation and display of surface parameters. It has a straightness accuracy of 0.3  $\mu$ m over 30 mm and a traverse range of 30 mm. It is operated with a touch-screen keyboard on a 6.5" color LCD display. The Surfcom 480A adds a control unit to the 130A, allowing for automatic or joystick operation.

Circle 300

makes the base of the scan head wider for testing when the test specimen configuration permits. For use in a factory environment, the Lab BOSS has a mobile enclosure that can seal the computer while still providing good visibility and operability.

Circle 301



### New Digital Linear Gage

Ono Sokki Technology, Inc. introduces the DG-525 digital linear gage for measuring dimensions, thickness, curvature, eccentricity, displacement, height, depth, flatness, variation, runout, roundness, distortion and deflections. It can also be used for load and pressure inspection applications. The company says it performs accurate measurement to 0.0005 mm (0.00002") throughout its full 25 mm measuring range. The indicator features one-revolution TIR to obtain simultaneous maximum, minimum and range values with only one sweep. It also offers an adjustable measuring force for taking accurate measurements on fragile or compressible materials. The DG-525 has an output speed of approximately 1.6 ms/data and is compatible with every major SPC data acquisition system.

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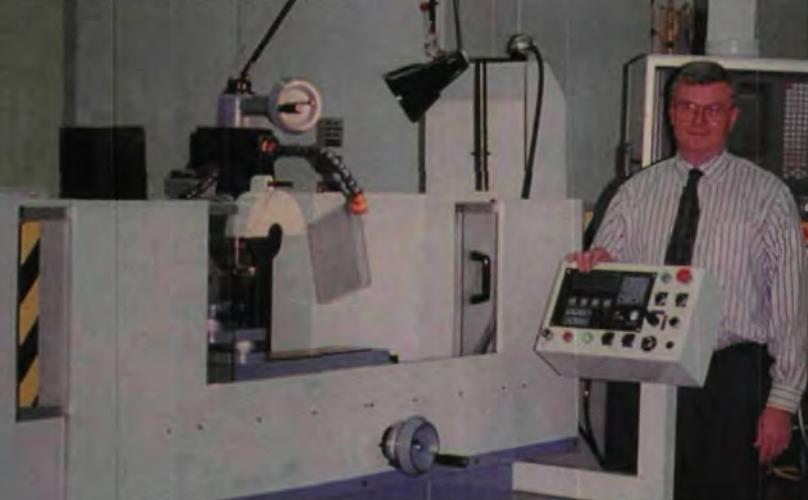
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GROUND GEAR  
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CIRCLE 151

The Advanced NC Programmable  
**Tool Grinder**  
**LC35-NC2/NC3**



Melvin Belcher, president of Progressive Engineering, Richmond, VA, looks pleased as he reviews the installation of his new high-performance Tool Grinder which will support another recent acquisition, a CNC hob milling machine.

Located next to this powerful five axes hobber, the LC35-NC tool grinder will compliment the strengths of each piece of CNC equipment and optimize accuracy for the highest quality repeatability in multiple machine parts production.

- Automatic grind programs for straight, helix and cylindrical operations.
- Two or three NC controlled axes.
- AC servo motors on all NC axes.
- 8 mechanical axes of movement.
- Menu driven for easy operation.
- Memory for hundreds of programs.
- Probe System (as standard) to teach-in Helix or Gash.
- Twin grinding spindle with electronic speed variator for spindle rpm.
- ISO50 Workhead standard.
- Heavy flood coolant system.
- Grinds hobs, end mills, milling & shaping cutters.



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CIRCLE 142



**New Magnifiers,  
 Comparators & Microscopes**

GEI International introduces a range of precision 7x and 10x measuring magnifiers and comparators with interchangeable glass measuring reticles for the accurate inspection and measurement of dimensions as small as 0.005". Five styles of reticles are supplied for a wide variety of applications, including measuring inches, millimeters, angles, hole sizes, radii, etc. The magnifiers incorporate a four-element achromatic color-corrected lens system and an adjustable helicoid focusing ring.

The company also has introduced a precision 20x microscope specifically designed for Brinell hardness testing. The Model MNS-0300 is designed to measure the impression made by a ball bearing in a surface for Brinell hardness measurements, and it may also be used for general shop applications requiring close inspection and precise measurements. It measures 6.3" high and 1.38" in diameter, with a field-of-view of 7.2 mm.

Circle 303

**Send your new product**

**releases to:**

**Gear Technology**

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