

# 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.



## Vertical Honing Machine

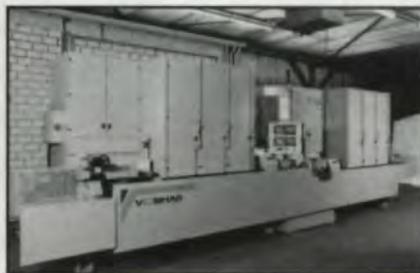
Sunnen's new CK-21 computerized vertical honing machine is designed for precision honing of 3/4" (19 mm) to 8" (203 mm) bores in applications such as small engine blocks, air compressor cylinders, valve bodies and aircraft cylinders. The unit features a micro-processor based control system that enables the operator to control all aspects of the production cycle. The machine has a 3 hp (2.2 kW) spindle motor, and its new hone heads are designed for use with superabrasives. It has a real-time graphic display, will hold the geometry of the bore to within 2 tenths (6 microns), depending on the application, and allows for two different spindle speeds and multiple feed rates during a single honing cycle.

Circle 325

## Digital AC Servomotors

Indramat introduces its line of rugged, low cost, MKD digital AC servomotors. The line offers peak motor power up to 12 kW, with peak torques ranging from 4 to 102 Nm (35 to 9000 lb-in) and speeds up to 9,000 rpm. They are available in five frame sizes and are available with an option integral multi-turn absolute resolver feedback, eliminating the need for axis homing routines. They are rated IP65, making them ideal for use in harsh environments in packaging, material handling, converting and printing.

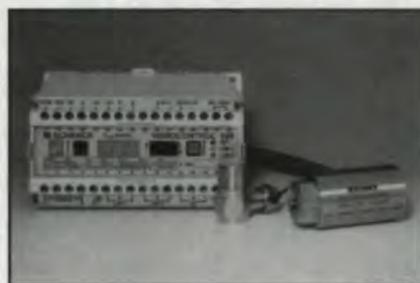
Circle 326



## Deburring Machines

Feintool Equipment Corp. is marketing the complete line of Vobhag deburring machines, which come equipped with optional PC-based process controls to compensate for brush or fleece wear automatically. All models let users fine-tune speeds of both head and brushes to "debug" the deburring process without hardware changes. The units all use linear guides to position the Rotex head to ensure the rigidity necessary for high-force fleece deburring. The control area and work zone are sealed and separate from one another for operator safety and to guard against drive contamination.

Circle 327



## Vibration Monitor

Schenck Trebel introduces the Vibrocontrol 920, a single channel monitor, which the company says is flexible, dependable and provides maximum protection for motors, fans, pumps and other equipment critical to operations. It accepts virtually any type pickup, including velocity sensors and 2-, 3- or 4-wire accelerometers. A program provides password protection and allows pre-programming of limits for

warning devices. The VC920 features a 4-20 mA output for system integration with a PLC and a buffered output for instant vibration analysis. It accepts all power supplies (115/230 V A/C, 24 V DC) and is easily mounted on rails or within a cabinet enclosure.

Circle 328



## Brinell Hardness Tester

NewAge Industries, Inc., announces the HB3000 Series Brinell hardness tester with motorized dead-weight load application and automatic readout options to reduce sources of error in Brinell testing. The basic tester operates in any Brinell range from 62.5 to 3000 kg loads and with 2.5, 5 or 10 mm ball indentors. The capacity is 9" vertical and 4.5" throat depth. The BOSS Automatic Readout Option uses a hand-held scanning head that views the Brinell impression. The software measures the impression at many angles to derive the Brinell hardness and impression diameters. Outputs include histograms, X-Bar & R charts and RS 232 output to a printer, computer or data gathering system.

Circle 329

**Small Size Broaching Tools**

National Broach's SPIRALGLIDE broaching tooling is now available in smaller diameters. It is now available in sizes from 3/4" to 12". According to the manufacturer, the SPIRALGLIDE series offers a unique configuration which provides constant tooth engagement with the workpiece, giving longer tool life, more pieces per sharpening, the ability to accommodate shorter lengths

of cut, quieter operation and the virtual elimination of vibration.

Circle 330

**Deburring/Cleaning System**

SurfTran's TEM C-250 deburring system with automation and parts conveyor linkage to a SurfTran 5-station open tank cleaning system offers a way to deburr and clean parts for assembly at rates up to 360 parts per hour. The C-

250 deburrs by means of an instant burst of high heat, eliminating all burrs and contaminants internally and externally.

Circle 331

**Our Gear Dressing Discs Give You European Quality**



**With U.S.A.-made Turnaround**

Tired of holding up production of your high quality gears while you wait for overseas quality diamond dressing discs? Wait no more. Winter's premier quality diamond dressing discs are manufactured right here in America, in a state-of-the-art facility in Travelers Rest, South Carolina. That means immediate access to the world's finest quality dressing discs for your Reishauer SPA, Fässler DSA, Okamoto or Csepel dressing units.



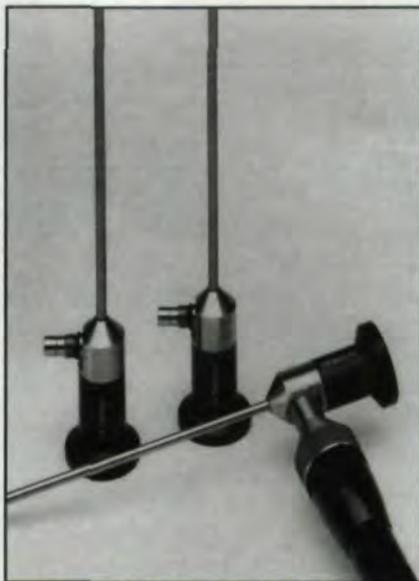
You won't have to go overseas when your dressing discs need repair, either. Our sets of dressing discs are offered two ways: sintered, randomly distributed diamond, or plated, single layer, randomly distributed diamond. We offer a full range of standard modules and diametral pitches. If you require a non-standard module or a special tip modification, we can handle that, too. All in record U.S.A. time.

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**Hawkeye™ Borescope**

Gradient Lens Corp. announces the introduction of its Hawkeye™ 12" borescope and optional 90° adapters for non-destructive testing, visual inspection and quality control in manufacturing and tooling. The Hawkeye is a portable, precision optical instrument featuring a high-intensity light source. It operates on AA batteries and enables users to perform close inspection of any opening larger than 0.165" (4.2 mm). It can also be used with standard high-power fiber optic light guides and is video adaptable. The optional 90° adapters allow sideways viewing to further extend the borescope's usefulness.

Circle 332

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