

Welcome to our new Product News page. Here we will 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 Grease for Severe Duty Applications

Nye Lubricants is offering a new NLGI Grade 1 grease for heavily loaded planetary gears, worm gears and other devices. Nye Rheolube 377AL is a synthetic hydrocarbon-based, soap-gelled grease blended with solid lubricants, special anti-wear additives and oxidation and corrosion inhibitors. It comes in 1-, 7-, 35- and 110-pound containers and is available for immediate delivery.

Circle Reader Service No. A-30



Environmentally Friendly Fluid Storage Option

Master Chemical Corporation now offers customers an environmentally sound storage alternative for the company's line of cutting and grinding fluids that saves space and shipping costs. SpaceKraft is a corrugated bulk container that holds as much as four to six 55-gallon drums and requires 20% less storage space than steel drums. After use, the product can be recycled, biodegraded or incinerated, rather than occupying costly plant storage space. The system includes four components: an outer corrugated sleeve, a film bag, a corrugated cap and a polyethylene shroud.

Circle Reader Service No. A-31



Air-Operated Grease Pump

Bijur Lubrication Corporation offers a new centralized lubricator called SureMatic. The unit can deliver pre-selected amounts of grease to satisfy a wide range of lubrication needs for small, medium and large machines. Ruggedly constructed to withstand normal industrial applications as well as demanding environments, the unit is offered in various reservoir configurations, from 2- to 5-liter capacity. It has fixed outputs from 1.0 to 6.0 cm³ per stroke, a built-in low level switch and a springless weighted grease follower, which permits the use of greases up to and including NLGI No. 2.

Circle Reader Service No. A-32



Gage for Measuring Dimensions & Displacements

Ono Sokki Technology, Inc. introduces the EG-225 digital linear gage, designed to measure dimensions, thickness, curvature, eccentricity, height, depth, flatness, variation, runout, roundness, distortion and deflection. It can also

be used for load and pressure inspection. It performs measurement to 0.00005" and allows the user to obtain maximum, minimum and range values simultaneously with one sweep of the part. The EG-225 satisfies AGD Group II specifications, making it directly interchangeable with existing mechanical gages and compatible with virtually every major SPC data acquisition system.

Circle Reader Service No. A-33



Portable Hardness Tester With SPC

K. J. Law Engineers, Inc. offers a new, portable Verimet 7700 eddy current tester for performing on-location inspection of large, bulky or difficult to move parts. It is able to store multiple setups (up to 10) and provide users with basic SPC capability while sorting ferrous parts for proper heat treat, hardness, case depth or material mixes. Operates on either AC power or a single battery charge for up to 8 hours.

Circle Reader Service No. A-34

Advanced Spiral Bevel Gear Inspection System

M & M Precision Systems has introduced Command Link, a communications technology that uses spiral bevel gear inspection data to make corrections at any CNC bevel gear machine automatically. The system lets M & M's QC 3000 Gear Analyzer transmit setting changes to correct for machining errors throughout the gear manufacturing process. The QC 3000 system with spiral bevel gear software can indicate tooth form errors, including toe, heel, length, width and bias for spiral bevel and hypoid gears.

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PRODUCT NEWS



Automated Honing Machine

Sunnen Products Company's new automated EC-3500 Power Stroked Honing Machine provides consistent bore size and finish without the labor cost of a dedicated operator. The EC-3500 features a patent-pending, two-stage feed pressure which reduces cycle times. The feed force available on the machine is more than twice that of previous honing machines. The EC-3500 offers adjustable spindle speeds up to 3000 rpm and stroke rates up to 500 spm. It accommodates a wide variety of parts, including odd sizes, unusual shapes and those with keyways and splines.

Circle Reader Service No. A-36



Oerlikon CNC Form Grinders

Liebherr announces the new Opal 500 and 1000 CNC gear grinders from Oerlikon Gear Technology. They are designed to help manufacturers of commercial, truck and aircraft gears meet productivity, processing flexibility, quick changeover and cost goals. The

machines can utilize conventional vitrified or CBN-plated grinding wheels. They have user-friendly CNCs, automatic stock dividing, high frequency spindles, internal grinding heads, topographical grinding and optional CNC on-machine measurement of profile, lead, pitch and tooth-to-tooth spacing.

Circle Reader Service No. A-37

Hydraulic Clamping Devices

Albert Schrem is offering a new hydraulic locknut that accepts the S.B.S. Balancing System for in-process balancing. The D93-U30 nut fits on Gleason Tag, Reishauer and Okamoto gear grinders. Schrem hydraulic clamping devices are being used to clamp cutters, workpieces, grinding wheels, shaper cutters, shaving cutters and other applications that require high pressure clamping.

Circle Reader Service No. A-38



Talyrond 262 Measuring Machine

Rank Taylor Hobson introduces the Talyrond 262, a 3-axis circular geometry measurement instrument with automatic centering and leveling. The Talyrond 262 will measure roundness, flatness, concentricity, eccentricity, squareness, runout, parallelism, vertical and horizontal straightness, coaxiality, harmonics and slope. It also has facilities for Gaussian and bandpass filtering, interrupted surface measurement, automatic edge detection and asperity removal.

Circle Reader Service No. A-39

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