

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 Speed Reducer and Gear Coupling from Dodge

Dodge, a Rockwell Automation company, has introduced the Maxum Concentric Speed Reducer. Fractional to 1,600 HP, with ratios 2.25–194.6 available, the Maxum meets or exceeds the latest AGMA standards for proven reliability. The unit is available in scoop, top mount and base plate configurations. High strength cast iron housings provide strength and rigidity while standard double-lip and optional Viton® seals help keep lubricants in and contaminants out.

The new Dodge Gear Coupling is manufactured from forged steel for longer service life and features a high torque rating for efficient downsizing. The Gear Coupling provides the most power dense coupling that Dodge offers, its high torque ratings and large bore capacities enhancing these power dense qualities. In addition, the Gear Coupling protects against misalignments and offers a superior sealing system.

For more information on the Maxum Concentric Speed Reducer or the Dodge Gear Coupling, contact Rockwell Automation—Dodge/Reliance at (864) 281-2171.

Circle 300

New DuPont Additive for Polymer Compounding Applications

DuPont Performance Lubricants introduces Fluoroguard™, a colorless, odorless and chemically inert polymer additive based on fluorinated synthetic oil. This patented technology improves

the properties of both thermoplastic and thermoset polymers by increasing abrasion resistance, making parts last longer. Targeted for use in gears, bushings, O-rings, seals and polymer films among other applications, Fluoroguard™ internally lubricates parts to improve their mechanical performance without affecting their chemical properties. This helps reduce wear and eliminates the need for external lubrication.

Fluoroguard™ also offers processing benefits by improving melt flow and release properties, reducing machine torque and die build-up, and increasing extrusion rates. Because of its thermal stability (up to 300° C), Fluoroguard™ can be incorporated into most polymers using conventional processing equipment.

For additional information about Fluoroguard™, call (800) 424-7502 or visit the DuPont Web site at www.lubricants.dupont.com. To discuss your particular application or to obtain a sample, contact Bruce Ulissi at (302) 651-7391 or via e-mail at bruce.p.ulissi@usa.dupont.com.

Circle 301

Brown & Sharpe Unveils Xact Technology

Brown & Sharpe has announced the release of Xact Quindos measurement and inspection software. Xact Quindos combines the versatile Quindos software with elements of Brown & Sharpe's new Xact technology. It is the first in a series of software releases that will combine Xact technology with existing Brown & Sharpe software programs.

Xact Quindos is designed to work with most CAD systems to facilitate the inspection process and provide an advanced level of process control. The first release of Xact Quindos includes an advanced CAD interface that allows users to download CAD files for use in constructing part programs and documenting the dimensions of parts using CAD geometry. The software also offers three choices of program simulation—full

machine, probe head or probe sphere—to verify the part program. Xact Quindos runs in the NT operating system, making it fully PC compatible and Y2K compliant.

For more information, contact Brown & Sharpe at (800) 766-4673 or log on to www.brownsandsharpe.com.

Circle 302



Mijno Introduces New Right-Angle Gearheads

Mijno Precision Gearing has introduced the first members of a new family of right-angle, low backlash precision gearheads. Named Type MRA, the new line features an efficient and quiet bevel gear output stage integrated into Mijno's servo-grade, all-planetary Type MNT in-line gearhead series.

These new right-angle gearheads mount readily to metric face-and-shaft servomotors. They can also be specified for easy mounting to NEMA size 23, 34 and 42 servo or stepper motors. The Type MRA gearheads are useful in machine configurations where their geometry enables a more compact device. When installed in a machine, the right-angle gearhead and motor package can hug the side of the machine rather than stick out.

Typical applications include packaging equipment, assembly machinery, factory automation devices and robotic installations. For more information, contact Tom Provencher at Mijno at (847) 698-9041 or via e-mail at mijno@aol.com.

Circle 303

Good Tools,
Like Good Friends,
Should Last
a Lifetime.



A One-Step Quality Program. No matter what kind of power tools you manufacture, there's an easy way to improve performance, boost reliability, and extend operating life. Synthetic Lubricants by Nye. We design our greases and oils to meet the challenges of your components. Our gear lubricants – for cut metal, powdered metal, and plastic gears – stay in place and reduce noise. Bearing lubricants ensure smooth, quiet operation. Switch contact lubricants minimize problems associated with millivolt drop, open circuit resistance, and arcing. Connector lubricants guard against oxidation and fretting corrosion. And our unique damping greases add a "quality feel" to clutches, trigger switches, and other hand-operated mechanisms – without expensive engineering tolerances. Simply, lubricants by Nye help you give today's consumers what they want: quiet, maintenance-free, economical power tools that last a lifetime. Find out how to add the power of synthetic lubricants to your tools. Call Nye today.

Request your free copy of Nye's LubeShopper. It's an engineer's guide to solving lubricant related problems quickly – or with a bit of foresight, a way to avoid them altogether.



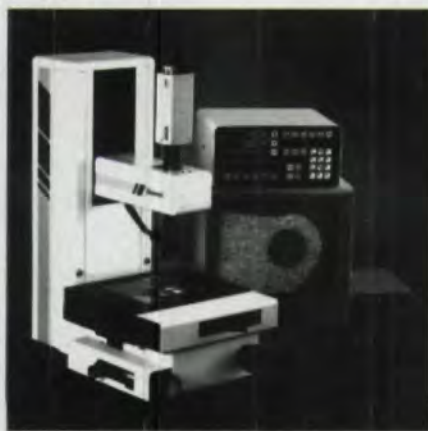
The World Leader in Synthetic Lubricants

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E-Mail: techhelp@nyelubricants.com
Website: www.nyelubricants.com

ISO 9002 Registered

CIRCLE 141

PRODUCT NEWS



Compact Manual Vision System

The L. S. Starrett Company has introduced the new MV646 Manual Vision System, a non-contact, video-based three-axis inspection system. The MV646 uses a high resolution digital color video camera and comes equipped with a 14" monitor and a 6.5:1 zoom lens system. Optional auxiliary magnification lenses are available. The unit has an aluminum base and features a precision work stage with a 6" x 4" measuring capacity and 6" of Z measurement. The system is manually operated by precision hand wheels and offers a built-in quick-release mechanism allowing rapid travel in both the X and Y axes.

X, Y and Z linear accuracy is within 0.00016"; repeatability X and Y are within 0.0001" and Z-axis repeatability at 200x magnification is +/- 0.0002"; resolution is 0.00004" and the maximum workpiece weight is 40 pounds.

For more information, contact Irmi Black at The L. S. Starrett Company, Metrology Systems Division, at (770) 590-7737 or log on to www.starrett.com.

Circle 304

CMI Offers New Coating Thickness Measurement Instruments

The CMI 700 Series is a microprocessor-driven benchtop system, which can accurately measure a wide range of coatings at the touch of a button including nonmagnetic coatings over magnetic substrates, nonconductive coatings over conductive substrates and electroplated nickel over magnetic substrates.

The CMI 700 is a non-destructive test instrument built to withstand hostile work environments. A large, high-contrast backlit display with a menu-driven operator interface makes it versatile and easy to use.

For more information on the contact CMI International at (847) 439-4404 or visit their Web site at www.cmiinternational.com.

Circle 305

New Acetal Copolymer Improves Part Yield and Offers Tighter Tolerances

Acetech XLS™ from A. L. Hyde is an easy to machine, low stress acetal copolymer that improves part yield and allows tighter tolerances. Features include no centerline porosity, excellent dimensional stability and wear properties, and good chemical resistance. It exceeds requirements for physical properties, stress and centerline porosity per ASTM D 6100 S-POM0211, LP and complies with FDA requirements for direct food contact.

Acetech XLS™ acetal copolymer is ideal for machining a wide variety of parts. For very intricate parts, lower stress and better dimensional stability means less warping. That, combined with no centerline porosity results in parts with outstanding appearance and mechanical integrity. Acetech XLS™ is also a good choice to replace materials such as steel, brass, bronze and aluminum to help reduce part weight, improve wear or chemical resistance, reduce factory noise or the need for lubricants.

For more information call (856) 227-0500 or call toll-free (800) 234-HYDE.

Circle 306

Send your new product releases to:
**Gear Technology, 1401 Lunt Avenue,
Elk Grove Village, IL 60007
Fax: 847-437-6618.**

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