

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

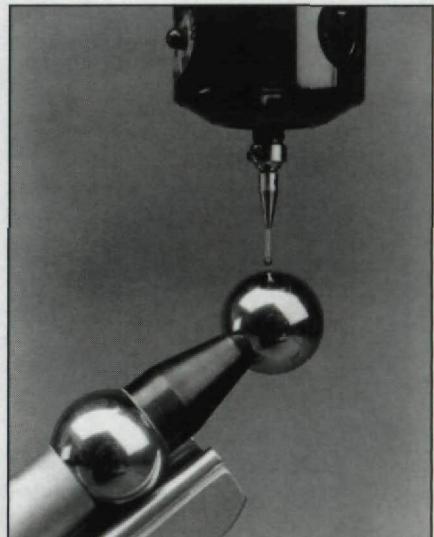
### Bison Servo Duty Reducers

Bison Gear and Engineering has introduced a new line of servo duty gear reducers for stepper and brushless DC motors in precision applications. The new Bison reducers, the MultiTech series, are designed to be used with NEMA 23 and 34 mounts. A one-piece pinion mounts easily onto the motor shaft. The gear cases are permanently lubricated and the gear boxes can be used with the motor of the customer's choice.

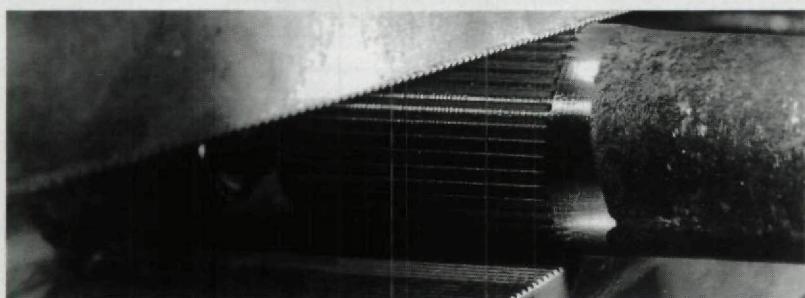
Bison offers eight ratios in each frame size, ranging from 3:1 to 100:1. Torque ratings range from 40 to 399 in-lbs., with peak torque capacities up to 798 in-lbs. Backlash specifications are held to less than one degree.

For further information log on to Bison's Web site at [www.bisongear.com](http://www.bisongear.com) or call Bison at (800) AT-BISON.

Circle 310



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CIRCLE 111

### Harmonic Drive Technologies Introduces New Zero-Backlash Actuator

Harmonic Drive Technologies has introduced the PowerHub robotic actuator, a high-powered, zero-backlash, compact brushless actuator with a hollow shaft.

The PowerHub actuator has the same compactness, configuration and performance of a direct drive and the low cost and controllability of a geared actuator. However, unlike most geared servo actuators, the PowerHub's hollow middle allows vacuum lines, wiring, etc. to be run through its center to external devices including end-effectors or wafer paddles. The PowerHub is available in three sizes—50, 100 and 200 watts—and offers sub arc-minute accuracy.

For further information call (800) 921-3332 or visit Harmonic Drive Technologies' Web site at [www.harmonic-drive.com](http://www.harmonic-drive.com).

Circle 311

### NORD Gear Corp. Launches New Gear Motor Line

NORD has launched a new line of compact, high-performance helical gear motors. Called the NORDBLOC line, these new gear motors offer customers a choice of seven compact case sizes, each with two or three stages. NORDBLOC

## PRODUCT NEWS

units range in horsepower from 1/6 HP to 50 HP and generate maximum torque ranging from 730 in-lbs. to 26,660 in-lbs. They are also customizable to the customer's needs. Options include alternate shaft sizes, heavy duty output bearings and special lubricants for specific work environments. Motor options, including 230, 460 and 575 volt motors, single and three phase, a full range of brakes, temperature monitors, auxiliary blowers for slow speed inverter duty and feedback encoders are also available.

Circle 312

### New PM High Speed Tool Steel from Crucible

Crucible Service Centers announce the commercial release of CPM Rex 121, a new high vanadium cobalt-bearing powdered metal high performance tool steel. It is designed to offer a combination of the highest wear resistance, attainable hardness and red hardness available in any high speed steel. Its superior red hardness permits 25-50% higher cutting speeds compared to other cobalt-bearing high speed steels while its superior wear resistance maintains a sharp cutting edge at these increased cutting speeds. With an attainable hardness of HRC 70/71 and better temper resistance than any other high speed steel, CPM Rex 121 is especially suited for TiAlN coated tools used in dry cutting applications or those requiring very high RPMs. CPM Rex 121 also offers a cost-effective alternative to carbide cutting tools, which may be too brittle or too difficult to machine. For the location of the Crucible Service Center nearest you, call (800) 365-1185 or visit their Web site at [www.crucibleservice.com](http://www.crucibleservice.com).

Circle 313



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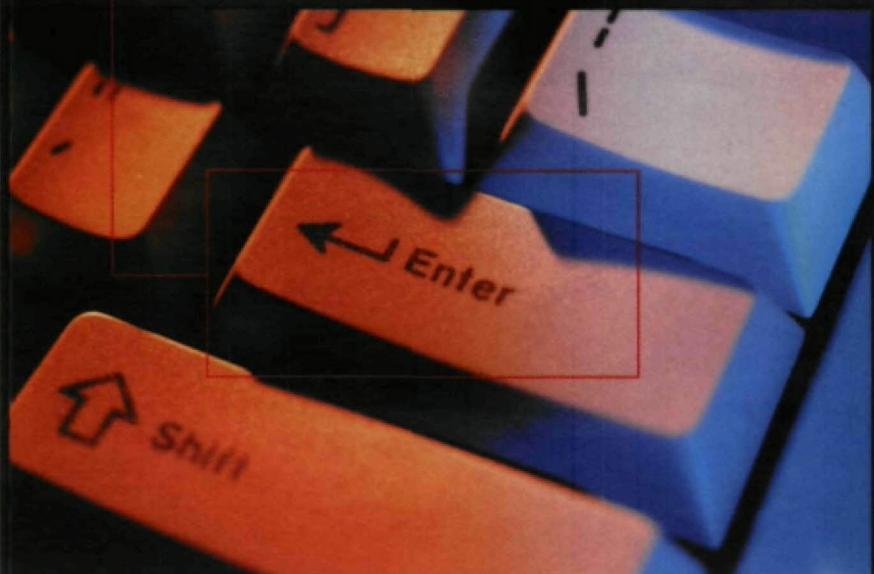
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CIRCLE 157

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