

**New Engineered Iron from Dura-Bar**

Dura-Bar Plus is a material that optimizes machining speeds and feeds, maximizes tool life, decreases downtime for tooling changes and reduces scrap, according to Dura-Bar.

According to the company's press release, customers report turning the product at roughing speeds up to 2,200

surface feet per minute using 65-45-12 iron.

Additionally, the product can cause less tool wear at higher machining speeds. Irons are available in round bars in diameters of 5/8-20". Squares/rectangles can be obtained in sizes up to 18.5" x 22".

For more information, contact Dura-Bar of Woodstock, IL, by telephone at

(815) 338-7800 or on the Internet at [www.dura-bar.com](http://www.dura-bar.com).



**New Family of Analytical Gear Testers from Gleason Mahr**

The GMX275 is the first in a new series of analytical gear testers called the GMX series from Gleason Corp. and Mahr GmbH.

According to Gleason's press release, the testers are designed to deliver elementary measurement of internal and external cylindrical gears, bevel gears and gear tools.

The testers can perform gear tooth and flank form audit or select testing for bevel and cylindrical gears using a single fixturing setup. Additionally, they use a four-axis inspection system with direct-driven worktable for high acceleration and accurate positioning. Features include variable speed control, interchangeable live centers and constant clamping force.

For more information, contact Gleason Corp. of Rochester, NY, by telephone at (585) 473-1000 or on the Internet at [www.gleason.com](http://www.gleason.com).

**New Coating from IonBond**

The Maximizer is a new coating from IonBond for use by the round shank, gear tooling and hobbing markets.

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A multi-layered AlTiN coating, the product lets users accelerate feeds and speeds, enhance protection from heat and wear and improve edge protection and performance over TiCN and TiN, according to IonBond's press release.

In hobbing applications, the coating's oxidation threshold can reach 1,600°F.

For more information, contact IonBond's Detroit Coating Center by telephone at (248) 398-9100 or on the Internet at [www.ionbond.com](http://www.ionbond.com).

### New Gage Products from M&M Precision

The DOP-150 and the mini-man roll tester are included in the new line of functional gage products from M&M Precision Systems Corp.

The DOP-150 provides a universal comparator package that can inspect internal and external gears and splines. The package is 150 mm in size and can accommodate external parallel axis gears to 6" in diameter and internal gears and splines to 1" in diameter.

The mini-man roll tester is a composite action, double-flank gage designed for direct shop floor use. This tester can accommodate up to a 6" center distance. Users can choose between traditional hand rotation or a crank mechanism.

For more information, contact M&M Precision Systems Corp. of Dayton, OH, by telephone at (937) 859-8273 or on the Internet at [www.mmprecision.com](http://www.mmprecision.com).

### New Quick Change System from Positrol Inc.

The new Chuck-Change System from Positrol Inc. can be installed on lathes, grinders, gear hobbing machines and machining centers.

Designed for multiple workholding changeovers on an individual machine, the system can reduce setup for small lot runs and can allow for maximum scheduling flexibility.

With the ability to mount on most

machine spindles, the product includes a special system receiver with a draw-tube connection that becomes an integral part of the machine spindle, according to the company's press release. System adapters are then fitted to the range of workholding devices needed for the product mix.

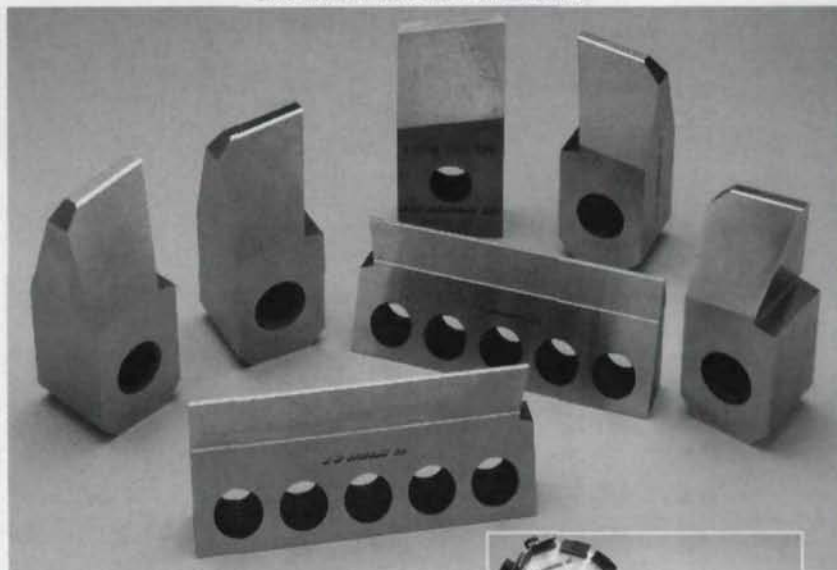
With this receiver/adaptor system, changeovers are performed by releasing

cams, pushing the release button, rotating the device counter-clockwise and removing the workholding device from the receiver.

For more information, contact Positrol Inc. of Cleveland, OH, by telephone at (513) 272-0500 or on the Internet at [www.eworkholding.com](http://www.eworkholding.com).

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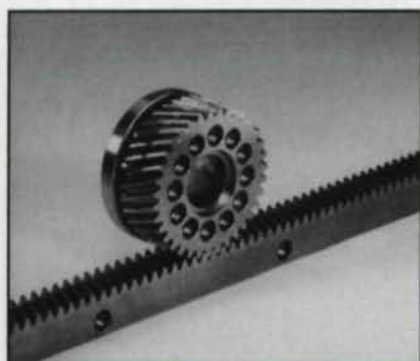
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## PRODUCT NEWS



### New Rack and Pinion System from Alpha Gear Drives

According to alpha gear drives Inc., its new precision rack and pinion system offers maximum possible feed dynamics with short acceleration times because of its compact design and low mass moments of inertia.

The company added that all rack and pinion mounting surfaces are ground to tight tolerances, providing users with flexible mounting options. Standard rack lengths of 167–500 mm are available. Load capacities up to 13,000 N are available.

For more information, contact alpha gear drives Inc. of Elk Grove Village, IL, on the Internet at [www.alphagear.com](http://www.alphagear.com).

### Two-Speed Gearboxes from Andantex

Andantex introduced a series of two-speed gearboxes that provides speed and torque ratios required for a range of production assignments.

By augmenting the latest spindle drive motor technology, the RAM-MSD enables machines to keep pace with any spindle requirement, according to the company's press release. The units mount in-line between the water-cooled motor and the spindle inside the machine tool's RAM.

Additional features include a hollow-through bore, low backlash and planetary gearing to facilitate low vibration.

For more information, contact Andantex USA of Wanamassa, NJ, by telephone at (800) 713-6170 or via e-mail at [info@andantex.com](mailto:info@andantex.com).

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### New Planetary Gearboxes from Bosch Rexroth

The new GTM planetary gearboxes mount to servomotors for high precision applications and can be used in factory automation.

According to the company's press release, the small internal cavity of the gearbox reduces noise so the product is rated up to 10 dB lower than its nearest competitor.

Another product feature is the cold fusion process between the coupling and the sun gear that allows high emergency-stop torque for safety and reliability.

For more information, contact Bosch Rexroth Corp., located in Hoffman Estates, IL, by telephone at (847) 645-3747 or on the Internet at [www.boschrexroth-us.com](http://www.boschrexroth-us.com).

### New Gearmotor from Sumitomo Machinery

The Astero gearmotor line from Sumitomo Machinery Corp. of America is designed for small conveyor, commercial and packaging machinery applications.

Available from 6-90 watts, the gearmotors consist of a die-cast aluminum housing and steel gears. According to the company's press release, a two-piece assembly (reducer-motor) is included for enhanced flexibility. The gearmotors have reduction ratios from 3:1 to 200:1.

Additional options include a brake pack and speed controller.

For more information, contact Sumitomo Machinery Corp. of America, located in Chesapeake, VA, by telephone at (757) 485-3355 or on the Internet at [www.smcyclo.com](http://www.smcyclo.com).

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