

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.



**New Honing Machine from Mitsubishi**

Mitsubishi introduced its new ZS25A CNC Gear Honing machine at IMTS 2000. The machine is designed to perform finishing operations for hardened gears and is aimed at mid-volume automotive applications where quality of the final tooth geometry is essential.

The ZS25A uses a synchronous technology to deliver superb index accuracy while improving lead and involute characteristics.

For more information, contact Mitsubishi Heavy Industries America, 1250 Greenbriar Drive, Suite B, Addison, IL 60101-1065 or call (630) 693-4700.

Circle 325

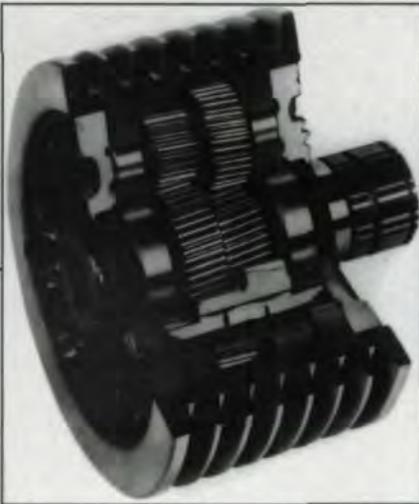
**Direct Drives Update Liebherr's LC80 Hobbers**

Liebherr Gear Technology Co. demonstrated the newest generation of its model LC80 dry hobbing machines at IMTS 2000. The high-speed hobbing machine now comes equipped with direct drives for cutter and table spindles.

The direct drives permit higher hob and table speeds (9,000 rpm and 800 rpm, respectively) and reduce the number of mechanical transmission components in the machine, improving reliability and maintainability.

For more information, contact Liebherr Gear Technology, 1465 Woodland Dr., Saline, MI 48176 or call (734) 429-7225.

Circle 326



**Andantex Announces Space Saving Epicyclic Drive**

Andantex USA, Inc. has introduced their compact, Type SA epicyclic drive, which can be used as a differential to control web tension, correct register and balance speed and torque. It can also be used as a speed reducer with ratios from 2:1 to 260:1.

The differential consists of three elements, the case-planet carrier, the torque arm sleeve sun-gear and the central bore sun-gear, which are mechanically connected by gears and therefore impart a definite speed and torque relationship on one another.

Precise speed adjustment is achieved by driving one element at constant speed, one element at variable speed, and outputting on the third element. Register control or phase-shifting is achieved with one constant-speed input and one intermittent input. It is also possible to balance torque and speed between two mechanically connected cylinders by inputting one element of the differential and outputting on the other two.

Industries using the SA include machine tools; pulp, paper and printing equipment; wire and steel manufacturing; textile processing; fiber optics manufacturing; film processing; food machinery; and web handling equipment.

For more information, contact Andantex USA at 1705 Valley Road, Wanamassa, NJ 07712 or call (800) 713-6170.

Circle 327



**Fellows Introduces New Gear Shaper**

The new High Performance Universal gear shaping machine was introduced at IMTS 2000. The new machine comes with a uniquely designed "live upright."

The live upright design is a nested configuration that results in minimum spindle overhang compared to alternate arrangements. The resulting increased spindle stiffness allows higher metal removal rates with premium surface finish and shape qualities. Standard features also include hydrostatic spur guide, hydraulic fixture clamping and through-hole chip flow, rear exit chip conveyor, totally enclosed guarding and HSK quick-change cutter interface.

The new High Performance Universal gear shaper accepts workpiece diameters up to 300 mm (11.75") and face widths up to 127 mm (5").

For more information, contact Fellows Corporation, Precision Drive, P.O. Box 2001, Springfield, VT 05156-2001 or call (802) 886-8333.

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# NEW & IMPROVED!

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### Alpha Introduces V-Drive Gearhead

Alpha Gear Drives, Inc., has introduced its V-Drive series of high-precision, right-angle gearheads for economy servomotor applications. The compact right-angle design is intended for use in applications where space is at a premium.

The V-Drive is currently available in sizes ranging from 50 mm to 100 mm and ratios from 4:1 to 40:1. It also offers six output styles, including flange mount, hollow shaft smooth, hollow shaft keyed, shaft mount smooth, shaft mount keyed and a spline shaft option for rack and pinion applications.

The V-Drive incorporates a specially designed, optimized tooth profile that promotes longer life due to less friction. Additional benefits of the tooth design include greater torque capabilities and higher precision. According to the manufacturer, the V-Drive boasts efficiencies as high as 95% and comes with a backlash rating of 3 arc minutes or less.

For more information on the V-Drive series, call Alpha Gear Drives at (847) 439-0700.

Circle 329

The screenshot shows the website's navigation and content. At the top, there's a search bar with options for 'Search By Product' and 'Search By Company'. Below that is a 'Site Map' with links to Home, C&A Forms, Product News, Industry News, Increasing Events, Cool Links, Contact Us, and Advertising Info. A 'Buyers Guide' section lists categories like Actuators, Adjustable Speed Drives, Bearings, Ball & Chain Drives, Belts, Clutches, Controls, Couplings, Gears, Gear Drives, Hydraulic Forces, Linear Motion, Motors, ET Accessories, Sensors, and Other. The 'News' section features three articles: 'Cincinnati Gear Introduces New MA-635 Marine Reduction Gearbox', 'Bishop-Wisecarver Launches Metric Lo Pro Linear System', and 'SmartMotor Now With Multi-Axis Contouring Capabilities'. A 'Santasalo and Valmet Power Transmission' merger announcement is also visible.

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