Products for the Gear Industry

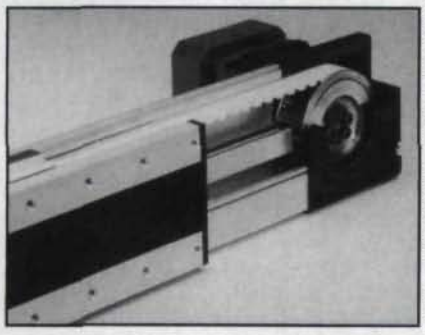
Induction Hardening Tool for Gears from Quantik

Quantik Corp. introduced an induction hardening machine tool for gears that is programmable from a CNC controller and pendant.

Tolerances of 0.01" are programmed and held during production. The computer memory can store as many programs as there are gear sizes to run. The computerized controller allows various combinations of teeth/roots to be processed in both internal and external modes. After gear faces and roots are hardened, the unit automatically goes into position to scan harden a ball raceway if programmed into the cycle.

The induction cycle can be executed in a submerged or spray quench condition with recirculating controlled temperature fluid for distortion control.

For more information, contact Quantik Corp. by telephone at (503) 654-4264 or on the Internet at *www.quantik.com.*



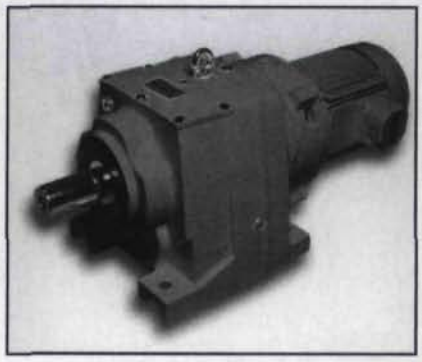
Integrated Geared Pulley Drive System from Alpha Gear Drives

The LPB Integrated Geared Pulley Drive System from Alpha Gear Drives was designed to be integrated with linear motion applications.

The gearbox has a flange output, which allows it to be nested inside the pulley and eliminates the need for a right angle gearbox, couplings and additional bearings. The product is available in sizes 70–120 mm with ratios of 1:1, 3:1, 5:1 and 10:1.

According to a company press release, its design reduces package size and installation space requirements.

For more information, contact Alpha Gear Drives Inc. of Elk Grove Village, IL, by telephone at (847) 439-0700 or on the Internet at *www.alphagear.com.*



Gearmotors and Reducers from Cone Drive

The Series M range of helical inline gearmotors and reducers has been redesigned to provide a compact drive solution for OEM and handling and conveyor manufacturers, as well as a variety of industries including energy, pulp and paper, water treatment, oil and gas.

A key element in the units is the motor connection, which offers the option of fitting any standard electric motor. The patented motor adapter system means the range accepts all sizes of standard NEMA and IEC flange-mounted electric motors without the need for modifications or interface connectors, according to the company's press release.

These motors can meet most requirements up to 120 hp or 90 kW with a maximum output torque capacity of 97,350 lb.-in. (11,000 N-m).

For more information, contact Cone Drive at (231) 929-8355 or on the Internet at *www.textronpt.com.*

New Gear Inspection Systems from M&M Precision

M&M Precision Systems Corp. of Dayton, OH, introduced two new gear inspection systems: the Microtop CNC and the Sigma Series.

The Microtop provides full four-axis, Windows®-based generative measuring capacity. The shop hardened system is designed for modern manufacturing cells and offers the same analysis capability for parallel axis gears, worms and worm shafts as the larger Sigma Series Machines.

The Sigma 3 and 7 Systems combine four-axis generative motion with 3-D probe technology and high speed linear motor direct drives. According to M&M Precision's press release, these machines come standard with Windows®-based inspection software. In addition to complete analysis capability for parallel axis gears, application-specific software modules are available for cross-axis gears, including bevel, spiral bevel and hypoid gears, as well as worms and worm shafts, gear cutting tools and other rotating components.

For more information, contact M&M Precision Systems by telephone at (937) 859-8273 extension 8969 or 8967 or on the Internet at *www.mmprecision.com.*

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