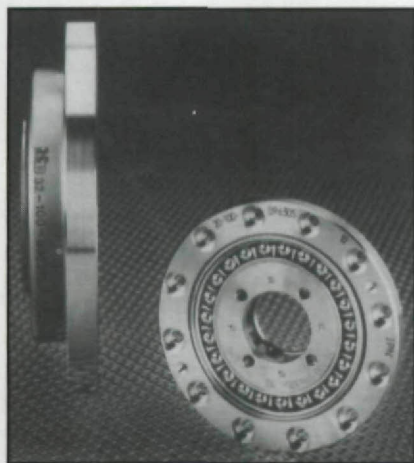


Products for the Gear Industry



New Harmonic Drive Gearing Components from HD Systems

The CSD Series Size 40 from HD Systems delivers low backlash, 1 arc-minute positional accuracy and ± 5 arc second repeatability.

With outer diameters of 135 mm, the gearing components are 27 mm in length. The rated torque is 1,825 in.-lbs. and maximum torque is 6,160 in.-lbs. This series is available in gear ratios of 50, 100 and 160:1

For more information, contact HD Systems of Hauppauge, NY, by telephone at (800) 321-4374 or on the Internet at www.HDSI.net.

New Right Angle Gearmotors from Bison

The right angle, hollow shaft gearmotor line from Bison Gear & Engineering has several mounting configurations, including base, end, side flange, shaft mount and pilot.

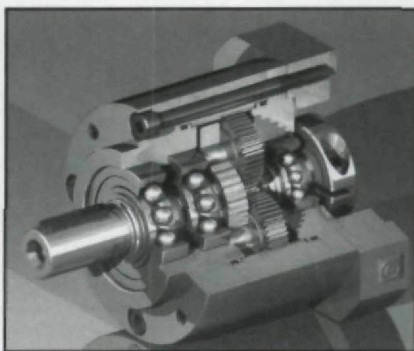
Shaft options include a 3-4" hollow, along with double and single extension 3/4", 5/8" and 1/2" diameter shafts with keys.

According to the company's press release, the gearmotors all have ball bearings and are lubricated with synthetic oil for maximum efficiency.

Three AC motor options and four DC motor options span a horsepower range from 1/8-1/4 horsepower. Gear ratios range from 5:1-60:1.

The motors run at 1,800 rpm for low noise and low temperature rise.

For more information, contact Bison Gear & Engineering of St. Charles, IL, by telephone at (800) 282-4766 or on the Internet at www.bisongear.com.



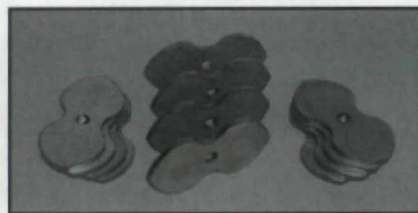
New Planetary Gearheads from ZF Great Britain

The PGE planetary gearheads from ZF Great Britain are compatible with any machine equipped with AC or DC servomotor applications, according to the company's press release.

The gearheads offer low weight and noise, a small size, and up to 97% efficiency. Positioning accuracy and reliability are a result of the 10 arc-minute backlash design and even load distribution between three planetary gears.

The design includes hardened and optimized gearing geometry and bearings. Nominal service life is typically 10,000 hours. Grease is used as a lubricant instead of oil, and therefore the gearheads can be mounted flexibly in any orientation on a machine.

For more information, contact ZF Great Britain of Nottingham, U.K., by e-mail at rob.pearson@zf-group.co.uk or online at www.zf-group.co.uk.



Spur Pinions from Trogetec

The minimal-sized epitrochoid (epicycloid) spur pinions from Trogetec are designed for partial conjugacy internal mesh with roller wheels.

Adaptable to many gearing applications, the pinions are used in parallel shaft drives, planetaries, star gearing, and cyclos.

According to the company's press release, blanks are CNC cut in seven-gage stock to ± 0.003 " tolerances relative to the applicable nominal contour.

For more information, contact Trogetec Inc. of Riverton, WY, by telephone at (307) 856-0579 or by e-mail at sales@trogetec.com.

Servo Gearheads from Neugart USA

The PLS series of in-line planetary servo gearheads from Neugart USA is designed for low backlash and optimized with gearing machined to high precision, hardened and honed.

According to the company's press release, the low backlash will not increase during the unit's lifetime and the gearheads have the highest torque density in the industry. The company adds the gearheads are suitable for all mounting positions without modification. The gearheads' high stiffness reduces the chances of lost motion.

Additional options include a solid free output shaft, foot mounting plate, housing mount option and spline output shaft.

For more information, contact Neugart USA of Bethel Park, PA, by

PRODUCT NEWS

telephone at (412) 835-4154 or by e-mail at sales@neugartusa.com.

Surface Roughness Tester from Mitutoyo

The SurfTest SJ-301 from Mitutoyo integrates features from bench-top surface roughness testers into a portable instrument.

The tester uses memory cards to store measuring conditions, measured data and statistical results. With a differential inductance detection, a dedicated processor including statistical process control (SPC) functions, plus a large display and built-in high speed thermal printer, the tester makes it possible to conduct comprehensive measurements anywhere in the plant.

With a detector/drive unit and display unit, the tester can measure 36 surface roughness parameters, according to the company's press release.

For more information, contact Mitutoyo America Corp. of Aurora, IL, by telephone at (630) 978-5385 or by e-mail at info@mitutoyo.com.

Updated CNC Hobbing Machines from Bourn & Koch

The 200 H and 400 H model CNC hobbing machines from Bourn & Koch Machine Tool Co. have been updated.

According to the company's press release, new features include a 7-axis CNC control, an added hob swivel and tailstock, a standard full enclosure, a flat-screen CNC control panel and a redesigned hob swivel and slide assembly. The standard version requires no hydraulics.

For more information, contact Bourn & Koch of Rockford, IL, by telephone at (815) 965-4013 or on the Internet at www.bourn-koch.com.

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