

New Gear Roller from M&M Precision

The GRS-2 double flank gear roller from M&M Precision Systems Corp. is designed for composite roll testing or for use in a comprehensive analysis package.

According to the company's press release, the roller provides PC-based

analysis software as well as a rugged construction for use on a shop floor.

A new manual system with plain diameter fixtures and a dial or digital indicator is offered as an alternative for those people seeking a simpler solution in roll testing.

For more information, contact M&M Precision of Dayton, OH, by telephone

at (937) 859-8273 or by e-mail at info@mmprecision.com.



New Bevel Gear Grinding Machine from Gleason

The Phoenix II 275G gear grinding machine from Gleason utilizes a monolithic column design to accommodate gears with pitch diameters up to 275 mm and has a machine footprint of 2.3 x 3.4 meters.

Also included in the design is a self-contained electrical enclosure and hydraulic unit.

According to the company's press release, the grinding wheel spindle allows fast grinding cycles, high accuracies, maximum efficiency and low grinding costs. The automatic stock dividing system further assures accurate and rapid grinding cycles.

The product is available with either Siemens 840D or Fanuc 160I Model B CNC controls.

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



New Gearhead from Mijno

The Type BDB gearhead from Mijno Precision Gearing substitutes a rotating flange for an output shaft, opening the door for creative design solutions.

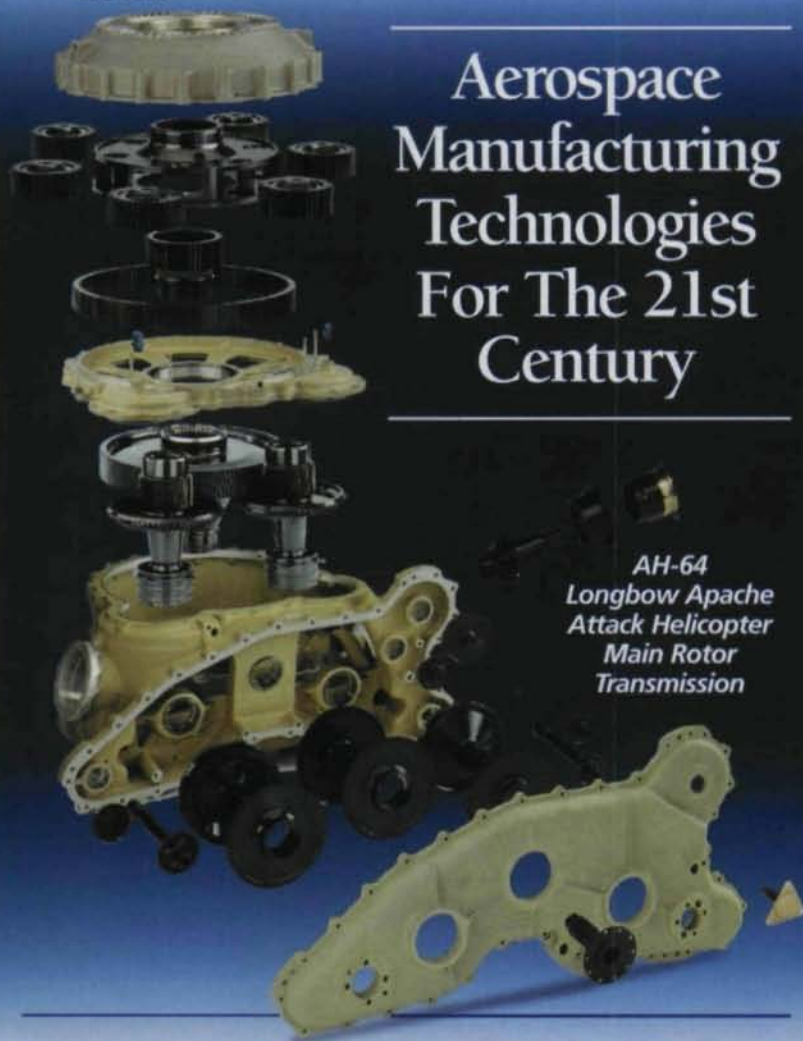


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Designed for powering the elbows of robotic arms and rotating large gears or capstans, the gearhead is offered in diameters from 64–285 mm (2.5–11.25”).

According to Mijno, this gearhead eliminates the shaft, thereby omitting its torsional deflection and leaving the designer with only the gear teeth backlash to consider. The maximum backlash offered is 5, 3 or 1 arc-min.

The company added that the gearheads’ internal design concept maximizes transmittable torque in a short length. The product family also features hypertorque versions in selected ratios.

For more information, contact Mijno Precision Gearing of Park Ridge, IL, by telephone at (847) 698-9041 or on the Internet at www.mijno.com.



New Speed Reducer Sizes from Cone Drive

The Series J Shaft Mounted Sala Speed Reducer Range from Cone Drive can now satisfy torque requirements from 450–57,800 N-m.

All gear teeth are case hardened and ground, and gear data is selected for minimum noise and vibration. Fixturing for the torque arm is integrated in the gear case, which is prepared for the mounting of vibration sensors.

Ratios from 5:1, 15:1, 20:1 and 25:1 are offered. In addition, the cast iron gear case is split for simple assembly and overhauling, and supplied ready for mounting of the V-belt cover.

For more information, contact Cone Drive of Traverse City, MI, by e-mail at cnelson@hydeburnett.co.uk or on the Internet at www.textronpt.com.

New Electric Rotary Hearth Oven from Grieve

The No. 815 is a 500°F electric rotary hearth oven that is used for pre-heating gears at a customer’s facility.

According to the company’s press release, the hearth is driven by a 1/4 hp motor through a gear reducer with a torque limiting device. The hearth indexes one position each time the loading door is opened and closed.


In addition, two 2,000 CFM, 2 hp recirculating blowers provide a vertical downward airflow over the workload.

For more information, contact The




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Arrow Gear is one of the world's leading suppliers of gears and gear boxes to the aerospace industry with complete design capability, including finite element. Arrow's latest success was utilizing our state-of-the-art technologies to design the gear tooth geometry and to manufacture all bevel gears in the PTO & AGB for Pratt & Whitney's PW 6000 engine.

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PRODUCT NEWS

Grieve Corp. of Round Lake, IL., by telephone at (847) 546-8225 or on the Internet at www.grievcorp.com.



New Gearing Component from HD Systems

The Quantum Series from HD Systems is a high torque capacity harmonic drive gearing component, delivering 50% more torque than the company's other gearing components.

The size 14 component maintains zero backlash, 1 arc-minute positional accuracy and +/-5 arc-second repeatability, according to the company's press release.

The series has an outer diameter of 50 mm and a maximum torque of 60 in.-lbs. Additionally, it is available in gear ratios of 50, 80, and 100:1.

For more information, contact HD Systems Inc. of Hauppauge, NY, by telephone at (800) 231-HDSI or by e-mail at info@HDSI.net.



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