

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.



Power Dry Cutting Revolutionizes Bevel and Hypoid Gear Production

Gleason Pfauter Hurth Worldwide Sales has introduced a new process for face hobbing and face milling bevel gears and pinions that reduces production time by 50-80% versus conventional methods. The "platform" for the new process, called Power Dry Cutting, is a Gleason PHOENIX 6-Axis CNC Cutting Machine equipped with advanced new tooling and an innovative chip disposal system. The system is capable of producing five times the surface speeds of conventional cutting, while at the same time producing parts without the use of coolant, so chips are dry and easy to recycle, parts are clean, and the work area is dry and safe. For more information, contact: Brian Cluff at Gleason Pfauter Hurth Worldwide Sales at (815) 282-3000, by fax at (815) 282-3075, via e-mail at sales@pfauter.com or on the Internet at www.pfauter.com.

Circle 301

Three-Zone, Electrically-Heated Belt Conveyor Oven From Grieve

No. 794 is a three-zone, electrically-heated belt conveyor oven from Grieve. This unit has a maximum operating temperature of 500°F and a work space of 30"W x 96"D x 24"H. The conveyor consists of an 18" long open belt loading zone, 36" long insulated unheated entrance vestibule, three 32" long insulated heat zones with independent recirculated airflow and temperature control,

12" long insulated unheated exit vestibule and 60" long open unloading zone. The No. 794 also features aluminumized steel interior and exterior, as well as 4" thick insulated walls, a three-pen, 10" dia. circular chart recorder and a 24" x 1" x 1" flatwire conveyor belt with 1/2 hp motor drive and variable speed from 1.5 to 4.3 inches per minute. A cus-

tomerspecified, multi-color paint finish was also supplied by Grieve on this conveyor oven. For more information, please contact Frank Calabrese, National Sales Manager, The Grieve Corporation, at (847) 546-8225, by fax at (847) 546-9210, or send messages via e-mail at bandc@interaccess.com.

Circle 302



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CIRCLE 122

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Koepfer Introduces High Speed, Eight-Axis CNC Hobbing Machine

The Koepfer Model 160 machine has been designed to provide an optimum gear cutting system for shaft, pinion and gear work up to 60mm, 2.36" diameter. The machine includes eight axes of CNC control. In addition to the normal hobbing control axis, the Model 160 includes the tailstock and gantry loading arm positions, which reduce setup time and improve overall efficiency. A unique slant bed design provides ideal chip flow and allows the user's choice of dry or wet hobbing. The cutter spindle is capable of speeds up to 5,000 rpm with the work spindle designed for 1,000 rpm. These high spindle speeds allow optimum utilization of coated carbide cutting tools even when hobbing parts of small diameters or with low numbers of teeth. The Model 160 includes current technology such as polymer bed, preloaded linear guide ways, ceramic bearing direct drive cutter spindle and digital drives with optical couplings. For more information contact Jennifer Scherer, Sales & Marketing Administrator, Koepfer America, L.L.C. at (847) 931-4121, by fax at (847) 931-4192.

Circle 303

Oilpure Technologies at IMTS

At IMTS in September, OilPure Technologies, Inc., Kansas City, Missouri—Booth C 2 - 5374—will be exhibiting products that emphasize a proactive approach to maintenance of clean oil in metalworking. The MB-50 oil purifier, with capacity up to 50 gph, provides oil purification that is customized to the individual application. Its proprietary chemical filtration process results in purified oil

equal in quality to the original oil. The Vacuum Jet Dehydrator provides a low cost capability of removing water from metalworking oils, in one pass removing dissolved water down to 100 ppm. The OilPure Water Sensor detects leakage of water into all types of petroleum-based and synthetic oil-based industrial oils and can be calibrated to the sensitivity range of the operation. For more information contact

Oilpure Technologies, Inc. at (716) 429-5000, or by fax at (716) 429-5005.

Circle 304

Lexair Direct Mount Collet Chucks

Lexair's direct mount collet chucks bolt directly to the lathe spindle nose and can be used on any spindle that incorporates a draw tube type actuator. They feature a simple pull back design and are

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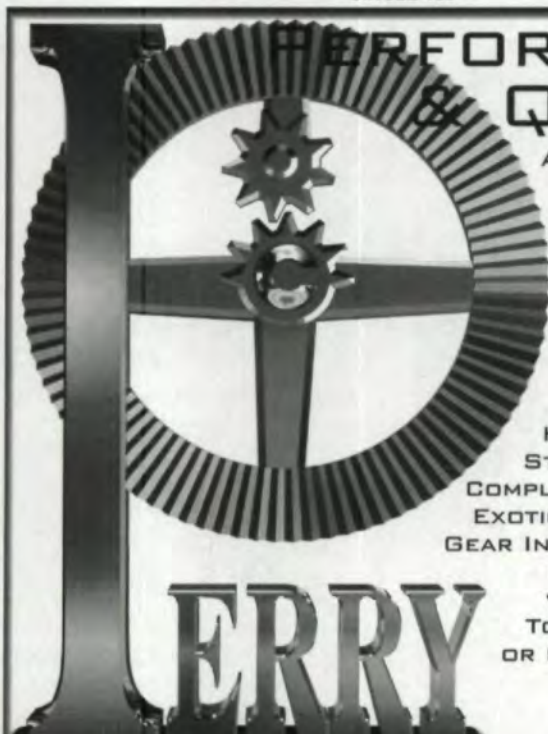
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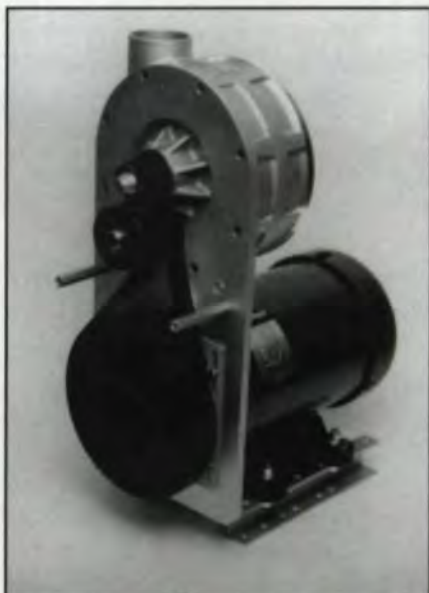
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CIRCLE 134

PRODUCT NEWS

especially suited for clamping small diameter workpieces. Their compact size increases tool clearances and reduces strain on spindle bearings. The 360 degree rigid clamping feature allows increased machine speeds for bar feed applications. These chucks are well suited for heavy roughing and drilling. They are available in types 5C, 16C, 3J, 20C and 25C. A threaded nose is standard on all 5C chucks to provide step chuck capability. For more information, contact: Lexair, Inc. at (606) 255-5001, or by fax at (606) 255-6656.

Circle 305



New Sonic Blower Model With Automatic Belt Tensioner Assembly

Sonic Air Systems announces the introduction of the Sonic-70 and Sonic-100 blower models with automatic belt tensioners for use in critical and industrial parts and products drying. Sonic's new automatic tensioning system eliminates periodic belt maintenance and adjustments and extends belt and blower longevity. The design achieves linear belt speeds up to 9200 fpm and loads up to 20 hp. The tensioning assembly allows for backside idling of the drive belt creating more wrap around the blower pulley and reducing the overhung load on both the blower and motor bearings. The result of the increased wrap with lower load is a reduction in the normal slip rate of the previous drive system and a reduction in operating temperatures of the belt, pul-

PRODUCT NEWS

leys and bearings. Aside from the elimination of regular maintenance, belt and bearing life is increased over the manual adjustment process. Replacement belts can be installed in less than five minutes, a savings of 15-20 minutes over the SAS-700 and SAS-1000 blowers. For more information about Sonic's advanced belt tensioner, contact: Sonic Air Systems, Inc. at (714) 870-2700, by fax at (714) 870-0100 or on the Internet at www.SonicAirSystems.com.

Circle 306



Weiler Corporation Announces Expanded Tiger Disc Line

Weiler Corporation, an ISO 9001 certified manufacturer of industrial power brushes, abrasives and maintenance products, introduces their new, expanded line of Tiger Disc abrasive flap discs. The broadened Tiger Disc offering includes a wide selection of abrasive flap discs to help provide solutions for many diverse applications. Included in this line is a selection of specialty products, including; BobCat, primarily used for grinding and finishing curved and irregular surfaces; the standard Tiger Disc which offers a variety of styles and grit sizes to solve a wide range of surface finishing applications; and introducing Weiler's latest addition, the Econoline, designed to produce a high cut rate at a value price. For more information about Weiler's expanded Tiger Disc abrasive flap disc line, please contact your local Weiler distributor or contact Weiler Corporation at (888) 600-5857 or on the Internet at www.weilercorp.com.

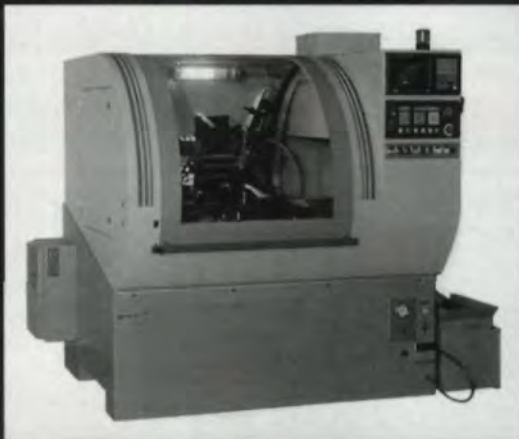
Circle 307

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KOEPFER MZ120

FINE PITCH WORM MILLING AND HOBBING



Introducing KOEPFER's newest machine: the MZ120. This machine is designed for fine pitch worm milling and hobbing applications. The MZ120 is a full CNC machine controlled by GE Fanuc. In line

with KOEPFER tradition, the MZ120 can be equipped with a variety of flexible automation systems.

The MZ120 is the ideal combination of a high speed worm milling and hobbing machine.

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