

SAVE WARRANTY COSTS WITH

DiamondBLACK®
Amorphatec® Ceramics

7 TIMES GEAR LIFE

DiamondBLACK® coated gears have provided 7 times the gear life vs. uncoated.

93-95Rc HARDNESS

LOW TEMPERATURE
Applied at under 250°F

AMORPHOUS STRUCTURE
No chipping,
cracking & peeling

HIGH ADHESION
Will not transfer

AFFINITY FOR
LUBRICANTS

CHEMICAL RESISTANT
Impervious to most harsh
chemicals, acids and bases

UNIFORMITY
Surface replication with
no build up (2 µm)

TEMPERATURE RESISTANT
TO 2282°F

EXTREMELY THIN
(80 Millionths)

US & FOREIGN PATENTED



P. O. Box 190
100 Somerset Drive
Conover, NC 28613-0190
1-800-368-9968
FAX 704-322-4636

The World Of Gearing
INDIANAPOLIS, NOVEMBER 12-15, 1995
SEE US AT BOOTH 406



CIRCLE A-41 on READER REPLY CARD

PRODUCT NEWS

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.



Single-Column Gear Inspection

Zeiss Höfler has introduced a new line of gear inspection systems that feature a revolutionary single-column design with improved accessibility compared to competitive two-column systems. The ZP400 and ZP630 systems offer a 400 or 630 mm diameter x 850 mm high measuring envelope to accommodate a wide range of internal/external gears, shaper cutters, shaver cutters, hobs, worms and bevel gears. Both feature the tailstock and measuring slides in a single column, eliminating the thermal differences and potential accuracy problems of two-column systems.

Circle Reader Service No. A-50



Dual Agitation Stacked Mixer Drives

Nord Gear Corp. offers dual agitation, stacked mixer drives for heavy duty service in industrial and food processing uses where mixing applications must withstand torque and heavy bending stress. Available in sizes from 1/4 to 200 hp and output torques up to 221,200 in-lbs.

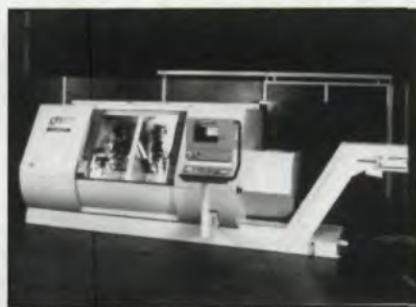
Circle Reader Service No. A-51



Wizard DROs

Anilam Electronics, Inc., has introduced its new Wizard Series line of DROs that think, calculate, compensate, remember and recall so the operator doesn't have to. Features include "smart" power supplies to help regulate power fluctuations, interlinking keyboard modules for fast upgrading, VFD displays for easy readability, interactive display windows with help messages and a visual feedrate display to take the guesswork out of milling.

Circle Reader Service No. A-52



CTX Twin Coaxial CNC Lathe

Gildemeister has added a new coaxial turning machine with double-sided machining capability to its CTX series of CNC 2-axis turning machines. The CTX Twin features two identical, integrated 25 hp (18kW) spindle motors and two 12-station turrets to enable machining of both sides of a component in a single cycle or parallel machining of two similar components using the two spindles separately. The machine features the new Gildemeister/Grundig "Turn Plus" CNC Control with "window" technology, interactive graphic component description and fully automatic program development.

Circle Reader Service No. A-53



Promat CNC 200 Form Type Grinder

Höfler has developed a small form type gear grinding machine dedicated to gear manufacturers who have large and small lot sizes of spur gears to grind. The economically priced machine's operating range covers spur gears up to 8" (200 mm) OD and face widths of 6" (150 mm). The machine's high grinding performance and versatility lead to low per-gear machining costs.

Please Circle Reader Service No. A-54



Bison Series 650

New Gear Motors

Bison Gear & Engineering introduces three new lines of gear motors. The parallel shaft Series 650 offers compact size and extremely high torque ratings. It delivers torques up to 720 in-lbs. with a gearbox measuring only 5" x 6-1/4" x 5-3/4". Speeds range from 1 to 160 rpm. A choice of motors, either permanent split capacitor AC or permanent magnet DC, with ratings of 1/20 hp, 1/6 hp and 1/2 hp is available.

The Series 950 are parallel shaft gear motors and C-face reducers with power ratings up to 3 hp. The new high-quality heavy duty line is designed for applications calling for long life and critical loads. Torques from 242-2830 in-lbs. Available in single-phase, capacitor start and 3-phase AC motors and permanent magnet DC motors.

MANUFACTURING ENGINEER

Eaton Corporation - Truck Components Operations North America, Galesburg, MI, currently has an opening for a Manufacturing Engineer.

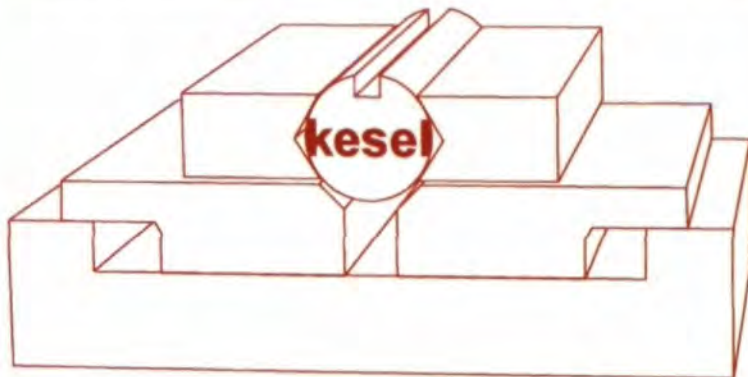
The essential functions of this position include the design and procurement of gear cutting tools and gages; gear chart interpretation and problem solving; training skills to assist plant locations in operator training and maintenance of gear and heat treat databases.

Candidates must be able to perform all essential job functions and possess the following qualifications: a B.S. degree in Mechanical Engineering or Manufacturing Engineering (Mathematics required); gear engineering prior work experience essential and manufacturing experience in gear manufacture, gear tooling design, gear lead, involute, spacing and runout chart interpretation. Position also requires gear manufacturing operation equipment knowledge and PC skills in spreadsheet, wordprocessor, MS-DOS, and Windows.

Eaton Corporation provides a competitive salary and a comprehensive benefits package. Respond with resume and cover letter by September 29, 1995 to: Eaton Corporation-Truck Components Operations North America, P.O. Box 4013, Kalamazoo, MI 49003-4013, Human Resources Dept./Joe Elser, Reference:Gears. We are an Equal Opportunity Employer M/F/D/V.

EATON Truck Components Operations

The *Key Way* to know you are on *center*.



Kesel Centering Vises

JRM International, Inc.

1214 Shappert Drive • Rockford, IL 61115

Tel: 815-282-9330 • Fax: 815-282-9150

See us at Gear Expo '95 • **BOOTH 500**

CIRCLE A-46 on READER REPLY CARD

PERRY TECHNOLOGY CORPORATION

IS **SHAPING UP**

THE GEAR SHAPING SPECIALISTS

- ✓ FELLOWS 20-4 CNC SHAPER W/ FANUC 16M DUE IN EARLY 1996
- ✓ FOUR NEWLY REBUILT FELLOWS 10-4 GEAR SHAPERS ON LINE
- ✓ OVER 7500 HELICAL AND SPUR GEAR SHAPER CUTTERS IN STOCK
- ✓ OVER 750 DIFFERENT LEAD GUIDES TO FIT YOUR HELICAL NEEDS
- ✓ ALL GEAR & SPLINE TYPES FROM 0" TO 48" DIAMETER IN SIZE
- ✓ OVER 50 YEARS OF GEARING EXPERIENCE IS AT YOUR DISPOSAL

OUR SHAPING SPECIALTIES INCLUDE:

WE ARE GROWING

Our new 50,000 square foot facility will help us better serve your needs. With one of the nations most comprehensive array of gear and spline cutting tooling, new equipment and experienced staff, your gearing needs will be filled with the most accurate results possible. Thanks for your support!

THE GEAR & SPLINE EXPERTS

PERRY TECHNOLOGY CORPORATION
PHONE: (860) 738-2525 - FAX: (860) 738-2455
P.O. BOX 21 • 29 INDUSTRIAL PARK ROAD
NEW HARTFORD, CT. 06057

- * CROWN SHAPING
- * HELICALS:
 - * INTERNALS
 - * EXTERNALS
 - * FACE GEARS
- * ALL SPLINE TYPES
- * SECTOR GEARS
- * SERRATIONS
- * DIN - JIS - AGMA
- * JAW COUPLINGS
- * TOUGH MATERIALS
- * AIRCRAFT SPECS
- * FAST PROTOTYPES

CIRCLE A-42 on READER REPLY CARD

WELCOME TO OBERLIN FILTER COMPANY - BOOTH #244

* Learn the major advantages of a true pressure-type coolant filter, and how dirt filters dirt for a thicker, drier, far more efficient filter cake.

* Reduce coolant replacement costs, cut waste disposal expense, improve machine time and piece part quality.

* Case histories: How companies save up to \$70,000
...\$40,000 ... \$39,800 annually!

* Ideal for oil, water-based or synthetic coolants. Ask for free literature.



**OBERLIN FILTER
COMPANY**

Division of Production Service Company, Inc.
404 Pilot Court, Waukesha, WI 53188 414-547-4900

CIRCLE A-43 on READER REPLY CARD

PRODUCT NEWS

The Series 800 are heavy-duty right angle gear motors available with integral AC or DC motors and as C-face reducers. They are rated from 1/4 hp-1 hp with torques from 179-501 in-lbs. and speeds from 23-257 rpm. Available gear ratios run 7:1 to 80:1. They are available with permanent split capacitor or 3-phase AC motors and permanent magnet DC motors.

Please Circle Reader Service No. A-55

Spiral Bevel Gearboxes

The new "Z" Series spiral bevel gearboxes, available from **Andantex USA, Inc.**, comes in 27 sizes and 6 types with 30 different mounting configurations. The units offer 11 different ratios from 0.5:1 to 6:1, counterclockwise and clockwise rotation of input and output shafts, 5000 lb-ft. torque capacity and speeds to 3500 rpm. Efficiency of the units is from 96-99%. They are rated for either 10,000 or 15,000 hours of life and are grease-, oil-splash- or force-feed-lubricated, according to the application.

Please Circle Reader Service No. A-56



Rip-Tie® CableCatch™

CableCatch Velcro fasteners from **The Rip-Tie Company** anchor cords, cables and wires along surfaces, out of the way. The peel-away backing makes them easy to use. They adhere securely to equipment racks, desks or walls, and are safe even for assembling cable runs that transport high speed data.

Circle Reader Service No. A-57

Send your new product releases to:

Gear Technology
1401 Lunt Avenue
Elk Grove Village, IL 60007
Fax: 708-437-6618