

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.



**Corrosion Resistant Gage Pins**

Corrosion resistant coatings are now available on all gaging products from Meyer Gage. The electroless nickel coating is a unique nickel phosphorus alloy which exhibits good wear properties and excellent corrosion resistance. Coating thickness can be held to within .00005" even over complex shapes. Coating meets salt spray testing (ASTM) 1000 hours.

Circle 301



**UV Inspection Lamp**

Spectronics Corp. has announced major design improvement to their BIB-150P ultraviolet inspection lamp. The company bills the products as the highest intensity self-ballasted UV lamp on the market. It has a new dent-proof and impact-resistant polymer housing and an ergonomically designed, stay-cool contoured handle. The lamp produces a nominal steady-state 365 nm intensity of 4,500  $\mu\text{W}/\text{cm}^2$  at 15" (38 cm) and meets mil specs for FPI and MPI. The lamp has a total weight of 3.25 lbs (1.5 kg), and its bulbs have an average rated life of 5000 hours. It is UL listed, CE and CSA approved.

Circle 303



**Pfauter Introduces New Small Gear and Form Grinding Machines**

Rockford, IL. American Pfauter, L.P. has introduced two new small CNC gear and form grinding machines to complement its line of larger gear grinders. The company says both of these machines are "highly affordable."

The P200G and P400G, with 200 mm and 400 mm capacities respectively offer all of the features and benefits of larger Pfauter machines in a small, compact package. The grinding heads and spindles are capable of using any commercially available single-layer plated CBN grinding wheels. The P400G can be equipped with an optional grinding head and spindle with a 2-axis CNC dressing unit for job shop environments.

The machines also have inductive sensor systems, CNC controls with Windows-based dialogue menus, optional machine-integrated, arbor-loading automation.

Circle 305



**Geometric Tolerancing Workbook**

Effective Training, Inc. has released the second edition of the *Geometric Dimensioning & Tolerancing Self-Study Workbook* by Alex Krulikowski. Using the ASME Y14.5M-1994 dimensions standard as its basis, the workbook has been revised, expanded and updated to reflect the changes in the field of geometric tolerancing. The book is useful to both the beginning student and the seasoned professional. The 30 lessons each contain graphics, study cards and self-tests that allow students to proceed at their own pace. After the course is completed, the book can serve as a reference tool.

Circle 302

**TEC-14 Optical Comparator**

Springfield, VT. J & L Metrology introduces the TEC-14 optical comparator with 0.00005" resolution, patented telecentric optics and a base price near \$10,000. PC-based full automation is an available option. The standard machine package includes standard travels of 12" x 6" (305 x 152 mm) and a table surface of 5" x 20" (127 x 508 mm). Flat images true to size are produced at all magnifications from 5X to 100X. The TEC-14 has a standard 14" (355 mm) ground glass screen lit by tungsten halogen profile projection and surface illumination, and 360° chart rotation with DRO. Options include powered travels, geometric computation digital readout, automatic edge sensing and full automation.

Circle 304

**Compensating Face Spacer for Hobbing**

Brookfield, WI. Euro-Tech announces the availability of a new hob spacer with a compensating face surface. The spacer's swivelling face eliminates the hob twist, bow, and bend that occur when tightening the hob nut against uneven spacer or hob faces. These can be used as a replacement for or in conjunction with existing spacers. They are available in all sizes.

Circle 306



### Heavy Duty Vertical Rotary Surface Grinder

S & S Machinery Corp introduces the new ELIGIN 38 vertical rotary surface grinder. The company says that new features permit high speed precision grinding at a lower cost per part. The machine has ample power for rapid stock removal and rigidity for precision, and its advanced design and construction assures greater accuracy, extreme flatness and fine finish. It has an infinitely variable table rotating speed, full magnetic force and infinitely variable chucking, a meter for measuring magnetic forces, demagnetization and a meter for measuring work load on the main motor.

Circle 307

### Gloves In A Bottle®

Glendale, CA. Gloves In A Bottle is a lotion which provides a one-way barrier which helps prevent most irritants and toxins from penetrating the skin, while allowing the skin to breathe and perspire naturally and increasing natural moisturizer retention. According to the company, the lotion provides protection from a wide range of irritants including grease, solvents, thinners, paint, herbicides and pesticides, industrial detergents and disinfectants, epoxies and glues, cement and lime, gasoline and diesel and most other chemicals. It is said to be virtually undetectable within 3 to 4 minutes of application and will not affect dexterity or the sense of touch.

Circle 308



### Adjustable Pitch Diameter Inspection Gage

The Measurement Systems Division of Moore Products Co. has introduced an adjustable pitch diameter inspection gage for checking the over-ball or over-pin characteristics of gears and splines either in the lab or on the production floor. The gage accommodates most external and internal gears and splines.

Standard equipment includes the pitch diameter inspection gage, one set of ball/pin anvils, a part-holding stand, the digital readout, the Data Gage 873 measuring system and a workbench with storage drawer. Options include center assembly, printer and interface with a LAN.

The gage can inspect external gear diameters from 0" to 8", internal gear diameters from 2.5" to 8" and overall gage dimensions to 30" long x 18" wide x 11" high.

Circle 309

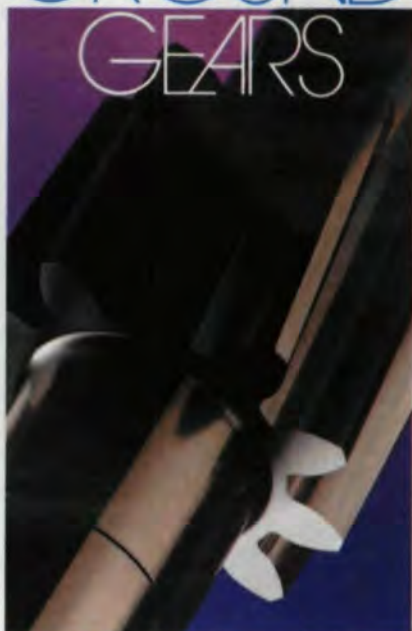
### Electro-Chemical Deburring System

The MINI BURR XL-12001 (Industrial) electro-chemical deburring system provides a low-cost solution for burr removal in hard-to-reach areas, deep intersecting holes, threads and delicate high-tech parts. This process is equally effective on hard and soft materials, produces no mechanical stresses or thermal effects and removes material where desired.

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# GROUND GEARS



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