

# 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.

## Cost Estimates in 60 Seconds or Less

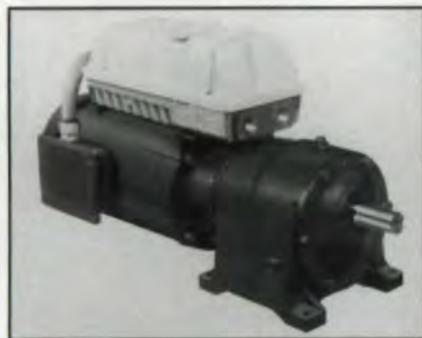
"Point and click" your way to accurate cost estimates for gears and parts in 60 seconds with **Costimator® Rapid-cost™** for Windows®. The new system runs under all versions of Windows and simplifies cost estimating by using predetermined manufacturing times to calculate the cost of discrete parts. It can provide estimating accuracy to within  $\pm 5\%$  or better of actual manufacturing times and costs. It also prints estimates and shop travelers. Available from **Manufacturers Technologies, Inc.**

Circle 300

## GearShop for Windows 2

**PC Enterprises** has released Version 2 of its GearShop for Windows gear design software. This version allows on-screen design of internal and external gears, racks, generated and non-generated gears and more. Functions include cut, inspect mesh, animate, zoom and pan, tooling design, selection and setup adjustment, and inspection for backlash, meshing radii and tooth curvatures. Prints or plots to any scale.

Circle 301



## Adjustable Speed Gear Motor System

**Dodge®** announces the new APG adjustable speed gear motor system, which the company says has the most advanced power-dense design in the industry, allowing higher reducer ratios for wider speed ranges. Case-carburized

and precision-ground helical gears assure higher strength and improved durability. The system's Reliance Electric A-C motors can be specified in one through five horsepower packages. Its SP500 A-C PWM inverter drive features a 200-230 VAC three-phase input or single phase with 50% derate.

Circle 302

## Job Order Tracking System

The Job Order Tracking System is a new product of **Analytical Science Corporation**. The software allows the user to immediately locate where an order is and what stage of completion it has achieved and to print out a hard copy report for internal or customer use. Status records can be viewed and edited directly on screen, allowing the pinpointing of critical process improvements.

Circle 303



## CIMNET® Add-On Software

**JNL Industries, Inc.** has announced the addition of job tracking capabilities to its CIMNET Folders manufacturing information control system. The addition extends the functionality of the "paperless factory" shop floor environment to include work flow management linkages. The Job Tracking option monitors quantity required, quantity finished and quantity scrapped, with graphs for yield, efficiency, machine load and estimated completion date.

Circle 304

## AutoCAD Add-On Software

**EMT Software** introduces **MECH SHAFT**, a new parametric shaft designer and symbol library, and **MAKE/3D**, which allows AutoCAD Release 13 users to turn 2-D multi-view drawings into 3-D solids. **MECH SHAFT** works with AutoCAD Releases 12 and 13 to give users a faster way to design 2-D and 3-D shafts. It creates designs inside AutoCAD according to a variety of user-specified parameters including number of segments, diameter, length, tapering, chamfer or fillet requirements and format (ACIS, AME or 2-D). **MAKE/3D** also includes two tools for creating 2-D drawings. **TRACE** produces construction lines and circles that can be traced around for drawing outer or inner design contour, and **ORTHO** uses intelligent projection lines to build orthographic views of a part after an initial view has been created.

Circle 305



## New PVD Coatings

**Multi-Arc Inc.** announces the introduction of two new PVD coatings, **ION BOND® TiAlN** and **ION BOND® TiCN**. The company says this second-generation TiAlN provides over twice the life

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## PRODUCT NEWS

of its first-generation coating when machining titanium- and nickel-based alloys, stainless steels and cast materials. It is ideal for high-speed machining, dry hobbing and other machining operations where high temperature is generated at the point of cut. The TiCN is a multilayer titanium carbonitride coating recommended for machining difficult-to-machine steel alloys and high-speed cutting when moderate temperatures are generated at the cutting edge. Recommended machining operations include turning, milling, drilling, reaming, tapping and punching.

Circle 306



### Composite Gears

Power-Core™ composite gears from **Intech Corporation** can replace metal gears for reduced maintenance and faster production during the deep drawing of aluminum or steel cans. The gears, which require no lubrication, are ideal for food and beverage packaging operations and for use in limited access installations where steel gears wear out prematurely from lack of lubrication. The one-piece gear offers a secure metal-to-metal shaft connection, permitting transmission of high torque through the gear's cast-in metal hub.

Circle 307

### AutoCAD 13 Solid Editor

**Context Cad, Inc.** announces Version 1.5 of the CSG Editor for AutoCAD Professionals using solids in Release 13. The CSG Editor provides graphical editing, making it easy to move, resize or replace components of a solid model, change the radius of solid fillets, redefine extrusion profiles and paths and more. It supports WBLOCK

and INSERT functions and includes an AME-to-CSG converter to change R12 AME solid models into editable R13 solids. Available for DOS, Windows, Windows NT or DEC Alpha.

Circle 308

### KIMOS Gear Software

**Klingenberg** has introduced an advanced software module for designing, manufacturing and inspecting spiral bevel gears. KIMOS software allows gear producers to make spiral bevel gears according to design, permitting interchangeability of pinions and gears. The program runs on 486 PCs. The KIMOS package supports production of the four most popular ring and pinion gearing systems—Klingenberg, Gleason, Wiener and Oerlikon. It manages all steps of design and manufacturing including dimensioning, optimizing, checking and production.

Circle 309

### Timing Pulleys & Belts

**York Industries** now produces and stocks a complete line of PowerGrip® GT® pulleys and belts for synchronous belt applications. They are available in 2 and 3 mm pitches in materials including aluminum, steel and injection-molded plastics. The company also offers timing pulley stock in a variety of pitches in aluminum and steel, pulley flanges and timing belts in polyester cord urethane, Kevlar® cord urethane and fiberglass cord neoprene.

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**Send your new product releases to:**  
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