Products for the Gear Industry

RACK AND PINION DRIVE SYSTEM FROM ANDANTEX

The preloaded rack and pinion system from Andantex is engineered for axis drive applications requiring high accuracy positioning.

According to the company's press release, the systems can eliminate backlash between the rack and pinion by using two pinions. One drives the axis while the other preloads the axis to eliminate backlash.

The company offers two types of preloaded rack and pinion drive systems. One version is mechanically preloaded, and the other is electrically produced.

For more information, contact Andantex of Wanamassa, NJ, by telephone at (800) 713-6170 or by e-mail at *info@andantex.com*.

NEW HOB CUTTER FROM STAR-SU

Star-SU developed a new hob design tool (patent pending) for hobbing precise, uniform chamfers on the end faces of gear teeth.

According to the company's press release, this cutter can place a precise, uniform edge chamfer from the outside diameter, down the flank of the gear tooth into the root radius and up the adjacent tooth flank.

Incorporated into the normal tooth hobbing operation, the cutter takes less than a minute. The chamfering hob is mounted on the same spindle as the tooth-cutting hob and shifts into the chamfering position when the tooth cutting is completed.

Available only from Star-SU, the hob is not sold but licensed on a renewable annual basis.

For more information, contact Star-SU of Hoffman Estates, IL, by telephone at (847) 649-1450 or on the Internet at *www.star-su.com*.

NEW COMPARATOR FROM BROWN & SHARPE

The Tesascope optical comparator is designed to measure gears as well as other complex round parts.

According to the company's press release, the system includes horizontal or vertical fiber optic surface illumination, profile illumination with green filters, a hard anodized and stabilized stage with high resolution linear glass scales, quick change bayonet lenses and automatic lamp shutoff.

Measurement routines with 0.001" resolution, independent zero reset (X/Y), absolute and incremental measurement, X/Y linear compensation, illumination control, RS232 output, radius calculations using three to 10 entered points, distance calculation from last datum radius or diameter and auto entry function are included.

For more information, contact Brown & Sharpe of North Kingstown, RI, by telephone at (800) 766-4673 or on the Internet at *brownandsharpe.com.*

NEW CARBIDE TAPS FROM LMT-FETTE

The HPF carbide insertable forming taps from LMT-Fette feature a replaceable carbide insert on a steel body.

According to the company's press release, the insert allows for cutting speeds two to three times faster than that of an HSS form tap.

Featuring a hardened steel shank designed with four drive tangs that handle the torque in a tapping operation, each shank is made to DIN specifications for added reach capability.

For more information, contact LMT-Fette of Cleveland, OH, by telephone at (800) 225-0852 or on the Internet at *www.lmtfette.com.*

NEW SOFTWARE FROM UTS

TK Solver 5.0 from UTS Inc. is a rule-based system that sets up and solves problems on a simple syntax.

According to the company's press release, the system operates on a programmable interface and combines an object-based structure, simple syntax, unit management and handling of lists and tables.

The enhanced feature set includes a solution optimizer, solution tracer, Instant MathLook for viewing formulas, plot annotation and report tools.

For more information, contact UTS Inc. of Rockford, IL, by telephone at (800) 435-7887 or on the Internet at *www.uts.com.*

NEW VERTICAL SPLINE ROLLER FROM ANDERSON COOK

The Maran 340V from Anderson Cook can roll splines, threads, oil grooves, snap ring grooves, burnishing, speedometer grooves and high helical parts.

Designed for the cold forming industry, the product is an alternative to horizontal rolling. According to the company's press release, the electric servometer does not require any hydraulics.

Additional features include four symmetric pre-loaded tie bars, independent axis movement, a menu-driven control system, electronic rack synchronization and metric based design.

For more information, contact Anderson-Cook Inc. of Fraser, MI, by telephone at (586) 293-0800 or on the Internet at *www.andersoncook.com.*

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