

**Mahr Federal Has  
New Column Gage**

Mahr Federal Inc. has a new measurement device, the Millitron 1840 column gage, with an exclusive feature.

According to a press release, the device's exclusive feature is a bar that can be split so a person can look at actual and dynamic readings or two different measurement results, like diameter and TIR, simultaneously.

The column gage can be used with electronic plug gages/gage rings, inductive probes and pneumatic measuring equipment. Also, it can be configured to work with other manufacturers' probes.

For more information, contact Mahr Federal by telephone at (800) 333-4243 in America and at (401) 784-3100 outside America, by fax at (401) 784-3246, by e-mail at [info@fedprod.com](mailto:info@fedprod.com), or on the Internet at [www.mahr federal.com](http://www.mahr federal.com) or [www.mahr.com](http://www.mahr.com).

Circle 315



**Groschopp Offers New Planetary Reducers With Floating Sun Gears**

Groschopp has new planetary reducers that use floating sun gears instead of fixed-position sun gears.

In a press release, Groschopp design engineer Scott Hulstein said a shaft's fixed-position sun gear will intermittently have more load on one planet gear than on another.

"By allowing the sun gear to float," Holstein said, "it centers itself among the three planets and produces constant, equal load sharing."

He added the floating sun gear provides "true involute action." According to the press release, true involute action occurs when the mating gears' rolling motion is as complete as possible. Groschopp said the motion's completeness lengthens the reducer's life because less internal gear slippage means fewer broken gear teeth, and lowers the reducer's noise levels by reducing the "rattling" as the teeth mesh.

According to the company, the new reducers were designed to compete with parallel shaft reducers and can exceed the torque ratings of similar-sized and larger-sized parallel shaft reducers, while maintaining lower noise levels.

For more information, contact Groschopp at (800) 829-4135, ext. 218 or visit [groschopp.com](http://groschopp.com).

Circle 316

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CIRCLE 131

### SCHUNK Introduces New Series of Parallel Grippers

SCHUNK Inc. has a new series of parallel grippers, PGN-plus, with a newly designed jaw guidance, which increases the series' efficiency compared with the standard PGN series.

According to a press release, forces and moments of the gripper—or acting on the gripper—are spread over several surfaces of a multiple-tooth guide, permitting finger length increases of up to 30% and more than doubling the maximum payloads. Also, the fingers' grip force was increased by up to 36% via an optimized piston design.

The series offers five gripper sizes with six versions, each covering a range of gripping forces between 250N and 4,350N.

For more information, contact SCHUNK Inc. by telephone at (800) 772-4865 or (919) 572-2705, by fax at (919) 572-2818 or on the Internet at [www.schunk-usa.com](http://www.schunk-usa.com).

Circle 317



### New Chipless Threading and Profile Rolling Machines

S&S Machinery Corp. has introduced a new line of chipless threading and chipless profile rolling machines. The machines can produce gears, grooves, hose barbs, knurls, splines, external and internal threads and other profiles.

In a press release, S&S Machinery said the machines were made to meet the needs of users of solid rod and tube. The machines are available in two-roll ver-

sions and three-roll versions and in-feed and thru-feed variations and can include automatic loading and unloading systems.

The machines have a cast frame and square ground slide rails for strength and vibration dampening. The line of six machines consist of five hydraulic machines and one mechanical machine.

For more information, contact Seymour Varady at S&S Machinery Corp. via telephone at (718) 492-7400, via fax at (718) 439-3930, or via e-mail at [sandsmachinery@worldnet.att.net](mailto:sandsmachinery@worldnet.att.net).

Circle 318

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If you did not care for this column, circle 326.

If you would like to respond to this or any other article in this edition of *Gear Technology*, please fax your response to the attention of Randy Stott, managing editor, at 847-437-6618 or send e-mail messages to [people@geartechnology.com](mailto:people@geartechnology.com).

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