

# Hermann J. Stadtfeld

## RECEIVES 'DISTINGUISHED INVENTOR OF THE YEAR AWARD'

Dr. Hermann J. Stadtfeld, vice president of bevel gear technology and R&D at Gleason Corporation, and a frequent contributor to *Gear Technology* and *Power Transmission Engineering* magazines, was recently named a recipient of the annual RIPLA "Distinguished Inventor of the Year Award."



**RIPLA Award winner Dr. Hermann J. Stadtfeld with wife Hedy and Gleason colleagues: (From left) Markus Bolze, manager, bevel gear software design; John J. Perrotti, president and chief executive officer; Uwe Gaiser, director product management, bevel gear technology; (Stadtfeld); Robert L. McDowell, senior patent agent; and Mrs. Hedy Stadtfeld.**

New York-based RIPLA (Rochester Intellectual Property Law Association) began conferring the award in 1976 to those of particular merit in the local research community of the Rochester area. Former winners include Ernest Wildhaber (gearing mechanisms), Robert Rose, William Bonnez and Richard Reichman (HIV vaccine), and Steve Sasson (digital camera).

Although the award is given in recognition of a body of work, Stadtfeld, who possesses numerous patents, was particularly cited for "developing a process for manufacturing gears without the use of oil to cut the metal which saves energy and materials as well as making a safer work environment." He was one of two winners announced from a group of 11 nominees celebrated at a June 4 banquet.

Stadtfeld's name was put in nomination for the award by a fellow Gleason employee, Ronald Rietz. Joining Stadtfeld for the event were his wife, Hedy, Gleason CEO and President John Perrotti, Gleason patent agent Robert McDowell, and Gleason colleagues Markus Bolze, Uwe Gaiser and Rietz.

"Gleason is extremely proud of Dr. Stadtfeld's award of Distinguished Inventor of the Year from the Rochester Intellectual Property Law Association (RIPLA)," said Al

Finegan, Gleason director of marketing. "The contributions of Stadtfeld and the entire gear technology development team reinforce his position as a leading worldwide authority in the field of bevel gear theory and technology, but are also a key element in Gleason's position as The Total Gear Solutions Provider."

(Every technical paper of Dr. Stadtfeld's that has appeared in *Gear Technology* is available unabridged, at no charge, at [www.geartechnology.com](http://www.geartechnology.com).)

# Samputensili

## ACQUIRES GEAR SHAVING MACHINE TECHNOLOGY COMPANY SICMAT

Samputensili recently announced the acquisition of Sicmat S.p.A., a company specializing in gear shaving machine technology.

Due to the synergies between the two Italian companies, customers worldwide will benefit from an enhanced level of technology and service support. The continuity of the actual product portfolio will therefore be ensured, as well as the supply of original spare parts, updated technical drawings and machine software that will be distributed by Samputensili and Star SU globally.

As a result of the acquisition, a strategic opportunity has been created by combining Sicmat's decade-long years of expertise in the gear shaving process with Samputensili's product development capabilities as manufacturer of machine tools and gear cutting tools. Gear shaving machines and related equipment will be produced at the Technology Centre in Bentivoglio, near Bologna (Italy).

The purchase of Sicmat allows Samputensili to broaden the company's product portfolio and therefore move closer to the corporate mission of becoming a leading supplier of complete solutions for the gear manufacturing industry.

At the upcoming EMO (Milan, Italy, Oct. 5-10), Samputensili will display the RASO 200 gear shaving machine.



# Excel Gear

## FORMS NEW RETROFIT DIVISION FOR THE REPAIR AND UPGRADE OF OLD MACHINERY

Excel Gear recently formed a new division of their company, Excel CNC Retrofit LLC, devoted to upgrading and remanufacturing older gear machines to meet today's performance standards.

The company offers services to enhance the performance of most major gear machine models; from converting manual or outdated CNC machines to the use of the latest Fanuc CNC; to restoring older machines to their original OEM specifications; to increasing productivity to levels comparable to those found on the latest machines.

"We're unique to this industry because we combine an exceptional level of rebuild and remanufacturing experience with Excel Gear's renowned gear manufacturing and engineering capabilities," said Excel CNC Retrofit's Bill Ramsay. "Ultimately, our customers benefit with a more economical machine solution delivering exceptional performance."



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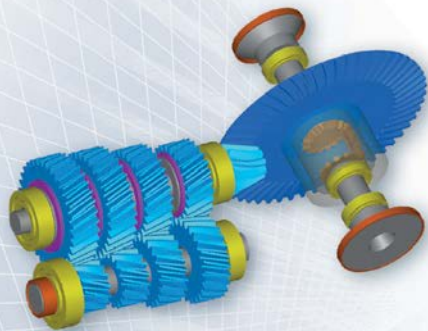
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# True Gear & Spline

## INCREASES GRINDING CAPACITY WITH NEW NILES ZP 12

True Gear & Spline Ltd. recently added CNC gear profile grinding to their machining capabilities with their newly installed Niles ZP 12 gear grinder.

The recently redesigned Niles ZP 12 will allow True Gear & Spline to grind larger gears with higher tolerance and increased speed, expanding their services to their customers in the machinery, mining, energy, oil and gas, and prototyping sectors.

True Gear & Spline serves a worldwide customer base from their 20,000 sq. ft. manufacturing facility located in Cambridge, Ontario. In 1998, they purchased a Niles ZSTZ 315 gear grinder that still exists in the facility. In 2008 they became ISO 9001 certified.

Historically, True Gear & Spline made gears to AGMA class 8; using the older Niles machines, they achieved AGMA 10. Today, AGMA 11 and 12 are routinely achieved on the Niles ZP 12.

“Continued growth and investing in the latest technology has always been a driving force at

True Gear & Spline,” said vice president Mark Bizjak. “This latest purchase is in keeping with our commitment to accommodate our customers with any type of gear.”

True Gear’s Niles ZP 12 will allow them to grind internal and external gears up to 1.2 meters in diameter. Dual dressers reduce dressing time and gear inspection on the machine. Optional software makes worm grinding possible, too.

“We have had our ZSTZ 315 in production for close to 20 years and look forward to many more years of using the advanced technology offered by the ZP 12 machine,” Bizjak said. “We have had positive experiences with the Kapp Niles staff, and with their sales representative, John Manley of Machine Tool Systems, Inc.”

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# Broaching Machine Specialties

TO SUPPLY EKin PRODUCTS IN NORTH AMERICA

Broaching Machine Specialties (BMS) recently announced a strategic partnership with Ekin of Bilbao, Spain.

Ekin has been supplying machinery and tools for broaching and spline rolling operations for over 50 years. Ekin works primarily in the automotive, power generation and aerospace industries.

BMS will act as the U.S. and Canadian sales and service organization for the following product lines: helical broaching machines and tools; hard broaching machines and tools; dry broaching machines and tools; CNC broach sharpening machines; and spline rolling machines and tools.

Ekin machines are electromechanically powered and are available in various stroke lengths and tonnages.



# Gleason's Gear Solutions Forum

TO INCLUDE OVER 40 DEMONSTRATIONS ON PRODUCTS AND TECHNOLOGIES

Gleason Corporation will host the Gear Solutions Forum (GSF) at its worldwide headquarters in Rochester, NY on Sept. 23-24. This year also marks the company's 150th anniversary, which will be recognized as part of certain events during the two-day forum.

GSF will include more than 40 demonstrations of products and technologies, covering all major gear production processes addressing a wide variety of industry needs. The event will be accompanied by presentations from international industry experts, who will present their research in a wide range of gear-related subjects relevant to gear design and manufacturing.

GSF is an educational opportunity, giving visitors an in-depth look at many of the advanced new technologies that will shape the future of gear manufacturing. Demonstrations and presentations will cover technologies for spiral and straight bevel gears, including grind from solid and SmartLap corrective lapping. For cylindrical gears, live exhibits will include high-speed hobbing, power skiving, grinding and optimum processing of large gears both on dedicated gear machines and five-axis machining centers.



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