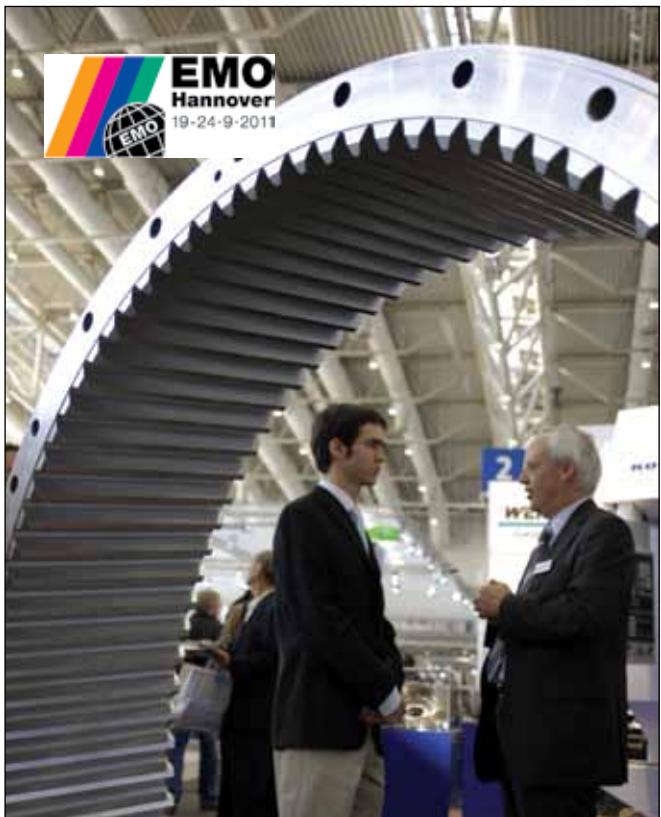


No Shortage of New Technology AT EMO HANNOVER



The gear cutting and precision gear finishing display area at EMO Hannover features an array of innovations and technologies (courtesy EMO Hannover).

Metalworking technology specialists will be front and center for six days at EMO Hannover 2011 (September 19–24). More than 2,000 companies from 38 countries will be on-hand to show off products and services, spotlighting their performance capabilities. This year's EMO Hannover is presenting its products and events under the motto "More Than Machine Tools." The trade fair puts special emphasis on machine tools, manufacturing systems, precision tools, automated systems, computer technology, industrial electronics and accessories and is sponsored by the VDW (German Machine Tool Builders Association). Here's a quick preview of some gear-related products on hand at the event:

Double-Spindle Honing Machine for Hardened Gears Präwema (Booth # 0338)

The double-spindle gear-honing machine Synchrofine 205 HS D will be presented by Präwema for highly productive and flexible machining. This machine is specifically

conceived for improving the profile and lead geometry of hardened gears. It is claimed to enable economical mass production with reduced secondary times specified as being only three seconds and incorporate all the advantages of the established single-spindle machine. What are already very short cycle times for the gear honing process are said to be further reduced. The unit is equipped with a newly developed Bosch-Rexroth MTX control system. A special highlight is seen in the measuring of workpieces in the machine, which serves to significantly reduce the times for changeovers and measurement. For more information, visit www.praewema.de.

Configurable System for Lean Gear Manufacturing Felsomat (Booth # 0355)

As a systems supplier, Felsomat in Germany has reportedly adapted the complete technology chain for gear manufacturing based on innovative machine platforms and production methods to optimize flexibility, quality, throughput times and productivity. By adjusting soft machining, heat treatment and hard finishing cells to each other, customers are said to gain versatility, efficiency and reliability in their manufacturing. At the fair, the company will be displaying the new Flexline, a configurable manufacturing system for the complete production chain of gears, with standardized and configurable machines and new automation modules in intelligently combined soft and hard manufacturing cells. Together with Reishauer, visitors will be shown how they can achieve a sustainable advantage against their competitors. As the exhibitors insist, every process in the gear manufacturing chain is driven towards highest operating efficiency, whether turning, gear hobbing, laser welding, heat treatment or the finishing of gear flanks and other functional surfaces. For more information, visit www.felsomat.de.

Improvements for Hard Finishing Gears Reishauer (Booth # 0353)

Reishauer claims to be setting standards in the hard finishing of gears by presenting a completely new range of products. The new line of machines is described as highly productive yet flexible, standardized yet configurable and innovative yet compatible with existing machines. In what is called a perfect interaction with company-produced tooling components, the new range represents a further leap in gear-grinding technology. In combination with a systematic parallelization of routines that enables an even further reduction of secondary machining times, the result is said to be superior productivity levels hitherto unattained. The spectrum of available options opens up a wide range of applicable technologies and tool systems. Thanks to standardized interfaces, the machines can be used as standalone versions, can be connected to a wide range of different automation systems, or can be fully integrated into the Felsomat Flexline cells. For more information, visit www.reishauer.com.