

COMMERCIAL NEWS

Experience the Tornos promise, 'We keep you turning,' at AMB 2016

Moutier, July 27, 2016 – Visitors to AMB 2016—the international exhibition for metal working—will experience the many ways Tornos delivers on its promise, “We keep you turning,” across a wide range of market segments, from automotive to watchmaking. Visit Tornos in hall 3, booth C14, during AMB, one of the world’s top five metal working industry events, September 13-17, at Messe Stuttgart, Germany.

In a modern, 200-square-meter exhibition space with a keen focus on the success-enabling technologies of Industry 4.0, Tornos will showcase six machines, including two world premieres and three solutions new to the German market.

- **World premiere, an addition to the MultiSwiss family.** A big sister to the well-received MultiSwiss 6x16, based on a common platform the larger machine is available in two variants:

- MultiSwiss 6x32, very capable thanks to the six spindles and up to five tools in back operation for parts up to 32 mm diameter and a length of 65 mm.

- MultiSwiss 8x26, same capability in back operation but the machine is equipped with eight spindles and can work on parts up to 26 mm diameter with a maximum length of 65 mm.

The MultiSwiss 8x26 benefits from a substantial capability increase compared to the 6x32, with its two additional spindles and two additional slides. It is possible to increase this capability even more by adding Y axis to each variant. Its superb ergonomics, incorporating easy frontal access and integrated peripherals, make setup a snap, and its simplified programming makes it easy for single-spindle operators to get great results. Its ultra-dynamic and entirely independent spindles allow angular positioning and optimal speeds in each position. Since each spindle has its own Z axis with hydrostatic bearings, you get flawless finishes and extend the lifetime of your tools by 30 to 40 percent, reducing tooling cost but—even more importantly—increasing the machine efficiency (less down time for tool changes). The MultiSwiss solution is based on an “all-in-one” concept that combines the benefits of Swiss-type turning machines with the advantages of multi-spindle machines. Highly productive, one MultiSwiss can replace multiple single-spindle lathes while providing you with more space, productivity and satisfied customers. And, on top of that, fewer operators are needed to produce the same batch of parts.

- **World premiere, Swiss GT 32** for easily manufacturing even the market’s most complex parts. During live machining demonstrations at AMB, visitors will see this solution in action fully equipped with TISIS and TISIS CAM. With its very powerful and versatile linear axis kinematics, your operator can work in both main and counter operations with three numerical axes. With its innovative design ensuring good rigidity and a powerful 8,000 rpm spindle, the Swiss GT 32 and Tornos take the Swiss-type lathe into a new era and provide a solution to help manufacturers gain a competitive edge in new and lucrative industrial segments.

- **German premiere, Swiss DT 26**, an entry level, 25.4 mm machine with five linear axes. At AMB, this solution’s flexibility and power will be proven as it machines a stainless steel hydraulic spool. This extremely powerful machine is designed to easily withstand heavy-duty machining. Its wide machining area optimizes chip flow, and its modular tooling zone—unique in this machine range—makes it a snap to mount a thread whirling or polygonal milling device.

This easy-to-use, flexible workhorse offers a quick return on investment in today's demanding business environment.

- **German premiere, Almac BA 1008 HP**, expanding the range of the Almac BA. Working from the bar and equipped with four frontal spindles, three lateral spindles and two back operation spindles, the machine features a through-spindle cooling system for faster, more precise machining of a wide variety of materials, while optimizing fluid and chips management.
- **German premiere, TISIS and TISIS CAM**, your portal to the world of Industry 4.0. To be demonstrated at AMB booth C14, Tornos' TISIS and TISIS Cam are your portal to the world of Industry 4.0. As a computer-aided manufacturing solution, TISIS CAM was specially developed to help you tackle complex operations. At the same time, it reduces startup time significantly and, coupled with TISIS, it is the perfect solution for efficiently programming and optimizing parts. TISIS CAM is especially useful when it comes to exploiting the full potential of the Swiss GT 32.
- **SwissNano**, the champion for manufacturing small workpieces requiring very high precision. At AMB, visitors will see the renowned SwissNano machining a miniature version—perhaps the smallest in the world—of the famed Stuttgart TV tower. The machine's unique kinematics enable turning, drilling, cutting, deburring, roughing and finishing operations, allowing it to produce two-thirds of watch movement components—from the simple to the most complex—and it's equally adept at executing micro medical and dental parts with extreme quality and precision. Behind the SwissNano is a machine concept delivering exemplary balance, and its thermal management allows operating temperature to be reached rapidly so that you're quickly on your way to achieving perfect results. This compact solution offers excellent accessibility for easy setup, and can be used with a fixed/rotating guide bushing—or no guide bushing at all.
- **Tornos Service**, delivering true value throughout the full product life cycle of each Tornos machine. Tornos Service's productivity-enabling services include start-up assistance; expert training and coaching; hotline; on-site operations support and preventive maintenance; original spare parts seamlessly delivered worldwide; complete overhauls to extend the longevity of Tornos machines; and a range of operations and X-change Modules to expand your application capabilities and profitability.

Don't miss your chance to experience Tornos' many success-enabling solutions at AMB 2016.

Further information on Tornos can be found at www.tornos.com

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Company profile

Tornos Group is one of the global leaders for the development, production and distribution of Swiss-type automatic lathes and multi-spindle machines. The company's history dates back to 1880 and marked the beginning of Swiss-type lathe technology. Tornos primarily manufactures CNC Swiss-type (sliding headstock) turning machines, multi-spindle machines with numerical or cam control, and machining centers for complex parts requiring high precision (Almac). Tornos is headquartered in Switzerland. Through a global sales and service network, unique solutions are supplied to customers in dedicated market segments such as Automotive, Medical and dental technology, Micromechanics, and Electronics. With its 646 employees (FTE) on average, Tornos Group generated sales of CHF 164 million in 2015. Tornos offers 38 apprenticeship training positions.