

## NEWS

### **Tornos presents its intelligent solutions for tomorrow's production at the EMO in Hannover**

**Moutier, Switzerland, August 7, 2019 - With a futuristic approach, EMO Hannover 2019 is showcasing tomorrow's technologies, particularly in terms of production. From September 16–21, Tornos will once again be in an excellent position among the leaders in this field.**

A key event for the metalworking industry, EMO Hannover 2019 will address the theme of intelligent technologies at the heart of tomorrow's production, a motif precisely aligned with Tornos' core concerns. Indeed, the Swiss machine tool manufacturer develops intelligent and interactive solutions that not only meet customers' needs, but also anticipate them.

EMO Hannover 2019 is undoubtedly the largest industrial exhibition of the year, bringing manufacturers from all over the world to Hannover every two years. As a center of competence at the highest level, it is the place to be, for exhibitors and visitors alike.

#### **An interactive showcase of current trends**

Beyond machines, Tornos offers production workflow solutions, including its integrable Industry 4.0-enabling TISIS software, which allows programming and communicating directly with the machine. The user is guided intuitively to ensure optimal use of all available tools.

On Tornos' stand, expert engineers and R&D team members will demonstrate the infinite range of possibilities offered by the intelligent software that the Tornos team is constantly developing to offer customers ever more innovative solutions for connected production.

#### **New dimension in networked production**

Additionally, Tornos this year will be among 50 machine tool manufacturers from all over the world demonstrating at EMO Hannover 2019 how umati—universal machine tool interface—makes machine data usable. Trade show visitors will experience firsthand the benefits this standardized interface offers.

The networking of machines, systems and software is one of the most important trends in manufacturing right now. Today's customers expect to be able to integrate new machines into their own information technology (IT) ecosystems with no difficulty. umati does this easily, quickly and securely on the basis of the Open Platform Communications (OPC) Unified Architecture (UA) international interoperability standard.

For over two years, a team of various machine tool manufacturers has been working on developing this uniform language for machine tools. Together with control manufacturers, they aimed at making it as user-friendly as possible.

Along with all other umati project participants, Tornos will be connected to a central dashboard. Furthermore, 18 software and data evaluation service providers will also be demonstrating how this data can then be used to generate added value for customers.

## **Accuracy, performance, productivity and ergonomics**

The TISIS software is designed to work with the entire Tornos machine park, including Tornos' EMO Hannover 2019 all-star, the SwissNano 7, the latest addition to the SwissNano range. Reliable, precise and ergonomic, the SwissNano makes it possible to meet the most demanding machining challenges. Extremely flexible, it is the ideal partner for machining small components requiring very high precision. It offers almost unlimited possibilities, whether for thread whirling, gear hobbing or the use of a high-frequency spindle. Originally designed to produce practically all the parts of a watch movement, the SwissNano has proved to be an essential partner to the Medical & Dental world, as well as the universe of connectivity, which have consistently benefited from this solution's exceptionally flexible machining area. Compact and efficient, the machine is also extremely easy to set up. The most unique elements are its kinematics and the counter-spindle which is based on three numerical axes. This feature makes it easy to produce highly precise parts.

## **Solutions that fill an important niche**

In direct response to customers' demands for a compact, all-in-one chucker solution to increase their flexibility and the economic feasibility of working with billets, Tornos is debuting its all-new and impressively compact MultiSwiss 6x32 Chucker lathe at EMO Hannover 2019. The goal of this concept is to allow execution of special shapes and finishing of parts with precise turning and limited roughing operations.

## **A demonstration of unfailing flexibility**

Along with the SwissNano 7, Tornos' EMO Hannover 2019 presence will feature solutions such as the SwissDECO 36 TB, a true standout due to its most advanced performance. All equipped with three independent tool systems, SwissDECO machines are designed to provide their users with exceptional flexibility while maintaining extraordinary ease of use. The SwissDECO range combines Tornos' more than 125 years of experience in a single machine. It is much more than a range of machines: It is a true vision of the future of bar turning.

## **A glimpse of the past and the future**

A true "time capsule," the DECO 13 is a machine that has been widely praised by appreciative Tornos' customers. Most who acquired a DECO 13 at the time still use it. That is why Tornos Service is presenting a completely renovated DECO 13 at EMO Hannover 2019. Past and future are therefore closely intertwined in the Tornos universe, balancing know-how more than a century old with artificial intelligence: hyperconnected, intuitive and generational.

## **Perfect fluid and chip management**

All Tornos machines are true machining centers. Milling is no exception to this rule and has been included in Tornos' catalog of services for several years. The BA 1008, with ergonomics based on the SwissNano platform, is a compact production tool for small, precise prismatic parts. Its parallel clamping system makes it a must when it comes to milling.

EMO Hannover 2019 is the perfect opportunity to "Turn to Tornos" and experience added value. Tornos' experts have continuously demonstrated what their value for decades, particularly in Germany, so customers know exactly who they are dealing with and who to turn to when they need a machine capable of producing a particularly complex part.

## **Germany and machine tools**

The German market is of crucial importance for the machine tool industry. Tornos is more than aware of this and continues to demonstrate its great commitment to this critical market. In fact, Tornos recently acquired land in Pforzheim where it is building its new German customer center by 2021.

In Germany as in the rest of the world, Tornos employees are trained in the latest technologies: They know their subject inside out. They will again prove this September 16–21 at EMO Hannover 2019. Visit stand 15 in Hall 17 to discover the Tornos universe. It's time to Turn to Tornos!

Media contact: Rolph Lucassen, Head of Marketing Communications & Brand Management  
Phone +41 32 494 44 44, [lucassen.r@tornos.com](mailto:lucassen.r@tornos.com)

Technical media contact: Brice Renggli, Marketing and Competitive Intelligence Manager  
Phone +41 32 494 46 86, [renggli.b@tornos.com](mailto:renggli.b@tornos.com)

## **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, placing Tornos at the beginning of Swiss-type lathe technology. The Group primarily manufactures CNC Swiss-type (sliding headstock) turning machines, multi-spindle machines, and machining centers for complex parts requiring high precision. 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 & dental technology, Micromechanics, and Electronics. With its 728 employees (FTEs), Tornos Group generated sales of CHF 214.9 million in 2018.