



Press Release - KNUTH at EMO 2017 18. – 23. September 2017 in Hannover

KNUTH goes digital at EMO 2017

KNUTH presents an overview of Industry 4.0 in practice Hall 27, Booth B12

Karsten Knuth explains: "Increasing digitalization provides major opportunities for the future of medium-sized machine tool suppliers and operators."

STAHLWERK, KNUTH's own Industry 4.0 Technology Center, and its innovative IoT partners drive this constantly evolving process. This opens a broad spectrum of new opportunities that we will pass on to our customers. Internal and external sensor data for digital services, such as predictive tool breakage monitoring or remote maintenance, are just a few of many implemented projects.

KNUTH, one of the leading full-range machine tool supplier, presents at the EMO 2017 **Industry 4.0 in Practice**. The KNUTH booth features a live demonstration of how machines can be interlinked, and shows some of the new possibilities that arise from digitalized, visualized and continuously monitored operating conditions. This is only possible with a strong and innovative partner: MindSphere is the open, cloud-based IoT operating system from Siemens that lets customers connect their machines and physical infrastructure to the digital world.

Michael Schaaf, STAHLWERK: "Today, almost all industrial machines and systems are based on intensive, internal data streams. With IoT operating systems like MindSphere, such data can be used outside the machines and can be linked to various digital applications. This can result in reduced downtimes and increased productivity. Open systems are important to vendors and manufacturers alike, so their machines can process the wide variety of data generated by controls and external sensors. Similar to an AppStore, open IoT operating systems provide a wide range of industrial applications that allow users, equipment manufacturers or external service providers to develop modular programs based on their individual needs."

Visitors of the KNUTH booth at the EMO 2017 can experience the Mind-Sphere App "Manage my Machines" live with three production machines connected.

EMO Highlights

Inclined Bed Lathe **Roturn 400 C** and the Stahlwerk machining centers **Vector 1000** and the KNUTH **X.mill M 640 touch** provide the necessary input. The bestselling X.mill machine is equipped with a mineral casting bed and the newest generation Siemens 828 D control. The control comes with a robust touchscreen and a new improved user interface.

Additionally, KNUTH will present EMO visitors an overview of its comprehensive portfolio of new and proven machines.

- **Servoturn 560:** Conventional lathe with advanced technology for powerful chip removal at long turning lengths. The machine feature a servo-motor instead of feed gears and sets new standards with the latest technology, linear guides, mineral-casting frame, and electronic stops.
- **Servomill 1000:** Conventional bed-type milling machine, completely equipped with large work area, featuring servo/conventional drive technology. The family of servo/conventional machines provides a glimpse into the future of conventional machining: user-friendly and more precision plus increased reliability, and productivity.
- **ZNC EDM 250:** The newest entry-level electric discharge technology. Precision, quality and an excellent price/performance ratio.
- **New: CNC Inclined Bed Lathe ROTURN: Roturn 400 C** is the top model of this series, featuring high drive power, extensive standard equipment, and a superior price-performance ratio.
- **New: Tool Milling Machine FPK 5** – Universal tool milling machines are an absolute necessity for tool, form, model, die, and device construction. Our best running classic: High power and precision for production, repairs and training – all of this at a very attractive price.

The new STAHLWERK VECTOR Series: Focus on Tradition and Customer Value!

STAHLWERK's VECTOR series is a bestselling CNC machining center which builds on proven traditions. It offers a high level of quality and performance ensuring predictability, economic value, and long-term success. It is ideal for small to medium-sized businesses in the mechanical and systems engineering industry that have only minor experience in CNC machining and work with small to medium-scale batch productions. The VECTOR series ensures consistent quality of components despite rising manufacturing costs. It offers cost-conscious customers and CNC newcomers the best possible service package.

The improved STAHLWERK TAURUS Series: Turn volume into revenue!

With its TAURUS series, STAHLWERK offers customers and suppliers of fluid systems in the oil and gas industry and the shipping sector a very competitive and energy-saving machine concept, featuring high chip removal capacity in a very short time. TAURUS machines, featuring robust tool systems by Sandvik CapTo, or BMT, can be equipped with automatic tool changers and integrated into automated processes. TAURUS 550 ensure micrometer-precision when machining big rotocasted propeller shafts and engines. A spindle capacity of 165 mm creates flexible conditions for optimum production.

About Knuth Machine Tools:

KNUTH Machine Tools is a leading supplier of conventional and CNC-controlled machine tools. The great success of our business is based on highest quality standards, technology innovations and very competitive pricing. The company was founded 1923 as a family-operated business and is led today by the 3rd generation owner, Karsten Knuth. KNUTH is a global company with a presence in more than 30 countries and in all growth markets worldwide.

Made by KNUTH stands for striving for excellence, as demonstrated in the development from a small industrial supplies shop to a global manufacturer of solid high-precision machine tools. KNUTH's commitment to continuous innovation is reflected in our servo-conventional machines, cutting systems, and CNC machine series.

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For complete information on KNUTH at the EMO, see:

<http://www.knuth.de/cms/messe-emo-2017.html>



Shown is: X.mill M640 touch
Printable images available upon request.