Press Release: KNUTH Machine Tools at the EMO 2019 - Sep 16-21, 2019 in Hannover, Germany

KNUTH Machine Tools presents their new generation of bestsellers
Hall 13, Booth A71

With their machine program for 2020, KNUTH fortifies their strengths as one-stop machine tool provider. The entire range of proven models was updated: from machines for conventional turning, milling, drilling and sawing to metalworking and CNC milling.

What this means for customers: Improved functionality and operation, wider performance spectrum, and increased cost-effectiveness.

At the EMO 2019, KNUTH will present three upgraded versions of their proven classic KNUTH models to show a sample of the new offering:

The NeoSpark B 500 CNC Electric Discharge Machine

The newest KNUTH NeoSpark series models are the result of continuous improvements combined with decades of experience from working closely with customers. A special advantage of this machine is its superior efficiency at minimum cost of operation.

This new model is one of the most precise CNC reciprocating electric discharge machines on the market. It provides superior performance in applications that require tight tolerances (micro-machining of die cavities, construction of electrical components, etc.), but also excels in the machining of very hard, conductive materials (in die and tool construction). Thanks to real-time functionality, preparation for the next job in the queue can be started during the current run. This results in reduced downtime and increased overall efficiency, which is an important benefit when working on prototypes.

All of these features make the NeoSpark series a preferred choice for production businesses that are looking for a solution to separate the finished parts from the carrier material.

High precision and superior surface quality ensure optimum chip removal and eliminate the need for any downstream rework. Thanks to EDM technology, it can be used on any metal, no matter how tough it may be.

Highlights

- Cost-efficient reciprocating Wire-Cut system
- Integrated CAD system
- Real-time monitoring and programming of CNC functions
- Multi-layer filtration for dielectric unit

The V-Turn 410/1000 PRO Universal Lathe

The V-Turn is a highly flexible model that was designed for a wide variety of applications. With an inverter and a powerful spindle motor, this lathe easily achieves spindle speeds up to 3,000 rpm. An integrated function allows the user to maintain constant speed during face turning (while the spindle speed automatically adapts to the turning diameter). The PRO models feature a more ergonomic design and even more safety and user-friendliness. Its apron was redesigned for simplified operation,
the splatter guard was extended (including an upper enclosure), and a metal enclosure of the leadscrew provides additional safety. All these new features combined with an extended accessory list make this model the perfect choice in many applications, from small maintenance jobs to small batch productions and from finishing operations to the training of operating personnel.

**Highlights**

- Constant cutting speed ensures improved surface quality during face turning
- High spindle speed and motor capacity
- Extensive Standard Equipment
- Wide spectrum of applications

**The HFS 40100 BPLC Surface Grinder**

The HFS 40100 BPLC is an extension of our successful HFS B surface grinder series. These rugged surface grinders are the perfect choice for any type of surface machining in small batch production and workshop operations.

To make these machines even more cost-effective, we provided the HFS BPLS with a Siemens PLC with touchscreen monitor. All major functions and settings are accessible comfortably and clearly via a graphic interface, and the operator can input data into the control via touchscreen. The control also includes various programming aids, like setup, roughing, finishing, plunge-cut, slot grinding and spark-out cycles. An especially nifty feature is the flexible hand-wheel that can be held in the operator’s hand allowing workpiece setup directly at the grinder table.

**Highlights**:

- High precision and reliability
- Intuitive, easy operation via touchscreen
- Quick automatic program creation via cycle programming
- Comfortable setup via hand-wheel

**About Knuth Machine Tools:**

KNUTH Machine Tools is a leading supplier of conventional and CNC machine tools. The great success of our business is based on highest quality standards, technology innovations and very competitive pricing. The family business was founded 1923 and is run today by Karsten Knuth, whose sons, Philip and Kristian Knuth, have joined the business and are kicking off the fourth generation. KNUTH is a global company with a presence in more than 30 countries.

In an area of over 172,000 ft² at our headquarters in Wasbek, Germany, we keep a complete selection of machines for all areas of machining and metal working ready for demos and quick delivery.

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