

Testing department expands

SAUTER expands research and development

The technology leader for tool turrets SAUTER FEINMECHANIK is gradually expanding its test department. With the machine tool ARTERY by J.G. WEISSER sets new standards for the high-tech company from Metzingen. In addition to this multifunctional high-precision turning center, SAUTER is equipping its extended test rooms with innovative test benches and expanding its research and development floor space by more than 25 percent. The goal: even more reliable products for maximum process reliability.

Without targeted research, no progress is possible. With this in mind, SAUTER expands its research and development department to continue to provide high-level technologies, best-in-class process reliability, reliability, and high-value components, modules, and systems. The focus of the expansion is on new high-tech test benches that round off the existing test and test field. At the heart of the test department is the multifunctional precision turning center ARTERY of the manufacturer J.G. WEISSER from St. Georgen.



With the new machine tool ARTERY and the high-tech test stands, SAUTER is expanding its research and development capacities by 25 percent.

In the future, tool turrets, tooling products and motor spindles from SAUTER will be comprehensively tested in this pilot plant. "Until now, we always had to tie up production capacities to test our components and systems. Now we have an optimized test and test field", explains Martin Worch, Head of Digitalization at SAUTER. The new machine tool is used exclusively for testing and experimental purposes. Numerous devices and digital measuring equipment enable the execution of dedicated tests as well as long-term tests. Also, pre-series products can be tested under real conditions. "On our pilot plant we test our pilot series before its market launch. Currently we have a basic tool turret with and without tool drive on the system," says Martin Worch. The field of application of the tool turret will be the entry-level machine tools of all international machine manufacturers. SAUTER expects an annual number of approximately 1,500 tool turrets after the market launch planned for the spring of 2020. The intelligent tool turret, which digitally transmits significant sensor data to a data collector, is also tested under real conditions in a long-term test on the ARTERY.

Optimal adjustments and customized solutions

In addition to the new test facility, SAUTER is expanding its development area with additional test benches, for example, for pressure shock testing of driven tools with internal cooling. "With the increased focus on research and development, we want to provide even more application- and customer-oriented solutions," says Martin Worch. "In this way, we are more focused on requirements and adapt our products to the customer's process conditions and parameters."

More information at www.sauter-group.com



Martin Worch, Head of Digitalization at SAUTER (right) and Patrick Notz, Technologist (left), are delighted with the optimum testing and testing possibilities.

SAUTER Feinmechanik GmbH | Carl-Zeiss-Straße 7 | D-72555 Metzingen | sales@sauter-feinmechanik.com | www.sauter-group.com

Photos: Sauter Feinmechanik GmbH | Copyright: The entire content of the Sauter Insides is protected by copyright. The copying of the contents is only permitted after approval by Sauter. © Sauter Feinmechanik GmbH November 2019

Denkfabrik Sauter: Mit uns dreht die Welt!
Sauter innovation factory: The world turns with us!

