

Slimmed Down Toolholder Extensions

The slim design of the TRIBOS-SVL toolholder extensions are intended to allow precise and smooth machining of workpiece areas that are difficult to access. In spite of the slim design, the extension is robust and permits a run-out accuracy of less than 0.003 mm, according to SCHUNK.

The TRIBOS-SVL can be combined with a variety of toolholders, such as SCHUNK's TENDO hydraulic expansion toolholders, CELSIO heat shrink toolholders, collet toolholders and TRIBOS toolholders.

"The TRIBOS extensions, in connection with our TENDO



hydraulic expansion toolholders or the TRIBOS-R polygonal toolholders, complement each other in an ideal manner," said a company spokesperson. "Both systems have a vibration damping effect on the overall system."

The TRIBOS SVL has a wide range of clamping diameters. They are available in metric from 0.3-20 mm and in inches from 1/8" - 3/4".

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Tools for Swiss Machines

Koma Precision, Inc. now offers live and static tools for Swiss machines, including Citizen-Cincom, Ganesh, Hanwha, Nexturn, Star, Tornos and Tsugami machines.

Designed and manufactured to OEM specifications, these new live toolings feature heavy-duty housings for increased rigidity and stability. The milling and drilling units incorporate high-grade bearings for increased accuracy and longer spindle life.

Also available are thread whirling and slotting units and sleeve, air



tool and drill holders. All of the units are designed for easy installation and are direct replacements that require no modifications to the gang block.

For more information contact:

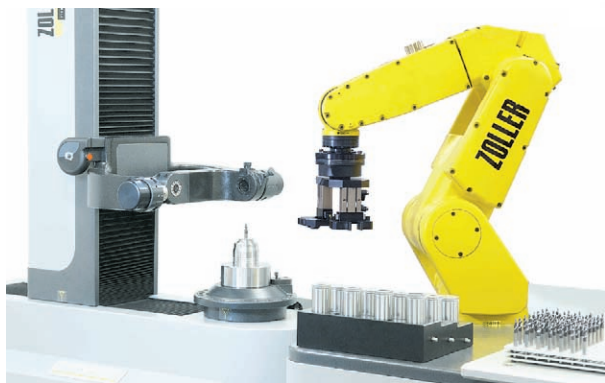
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Measuring and Inspection Technology Features Full Automation

ZOLLER's »roboSet« features a 6-axis articulated arm robot equipped with a sensor with sensitive force-moment strain gage and two pneumatic parallel grippers at D 3-12 mm.

»roboSet« can load shafted tools onto every ZOLLER CNC-controlled measuring device with automatic power clamping. It is designed for easy operation: hit the "start" button in the »pilot« software and »roboSet« will do the rest. Specific loading configurations and parameters are defined using a "pallet management" functionality incorporated in ZOLLER's »pilot 3.0« software. All tools are then measured without any further user input. Customized pallets can be set up based on the individual user's quality control requirements.

After the measuring process, the robotic arm removes the tool from the presetter and measuring machine and deposits it in different pallets, automatically detecting defective or out of tolerance tools. Measuring values are stored in the »pilot 3.0« software where



they can be reviewed or printed anytime. As an option, a laser writing device can be installed to label the tools to help ensure a seamless and error-free documentation.

A physical separation of the robotic arm from the measuring device helps provide continuous high standards of measuring accuracy. An automatic track correction of the robot at every loading move provides additional high process liability.

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New Range of Driven Tools with Quick Change System



MD Tooling now offers the MTSK Quick Change System designed for enhanced flexibility and faster set up time. The modular tool holders can be used on any CNC machine fitted with MD Tooling's MTSK driven tool holders.

"MTSK quick change tools are based on the HSK-T standard," said MD Tooling President Wes McLucas. "The system has a quick change clamping nut so the modular tool adaptors can be easily ejected, eliminating the need to apply force to break the taper free."

The MTSK system includes the

new anti-rotation wrench designed to increase safety during tool clamping and only requires one hand to hold.

MD Tooling offers a full range of MTSK quick change tool holders, including ER collet chucks, ERA collet chucks, shell milling adaptors for MTSK-63, MTSK-50, MTSK-40 and MTSK-32.

For more information contact:
 MD Tooling, LLC.
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 Howell, MI 48843
 877-91-TOOLS
 www.mdtooling.com

High Performance Thread Mills



The latest line of high performance carbide thread mills from Niagara Cutter is designed for producing higher quality threads while increasing productivity and consistent performance.

Available in a range of thread sizes and diameters, these specially designed thread mills are available with several options, including AlCrN coating, extended reach and coolant-through. Also available are the CVD diamond coated thread mills designed to eliminate the challenges associated with producing threads in composite materials.

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CAPTO Toolholders Designed for Accuracy

REGO-FIX Tool Corporation, a certified CAPTO manufacturer, offers its Q+ System CAPTO toolholders that are designed for high precision and accuracy.

REGO-FIX CAPTO is available in the company's ER toolholder line, as well as its powRgrip collet system. According to the company, the toolholders are balanced by design to G 2.5 @ 25,000 RPM and can be utilized for high-speed cutting and high performance cutting applications.

Additionally, Type H toolholders are ready to accept Hi-Q balancing rings that allow precision balancing of the system up to 80,000 RPM.

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