

New Products



roboSet«: The Smart Automation Solution-Zoller

With its new »roboSet«, first introduced at IMTS 2012, Zoller offers an efficient automation solution for companies with high tool throughput levels. Modern grinding machines are equipped with loading devices. They grind tools in large quantities that can no longer be measured or inspected manually. »roboSet« loads the Zoller presetter and measuring machine right around the clock, un-manned, 24 hours a day, 7 days a week. Complex measuring tasks are processed fully automatic and micron-precise.

Zoller's »roboSet« features a six-axis articulated arm robot, equipped with a sensor with exceptionally sensitive force-moment strain gage and two pneumatic parallel grippers at D 3-12mm. »roboSet« can load shafted tools onto every Zoller CNC-controlled measuring device with automatic power clamping and is easy to operate: simply 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 setup 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 and ensure a seamless and error-free documentation.

PREMIUM MILLING SOLUTIONS



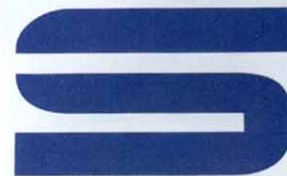
VISES



4TH AXIS ROTARY TABLES



5TH AXIS ROTARY TABLES



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