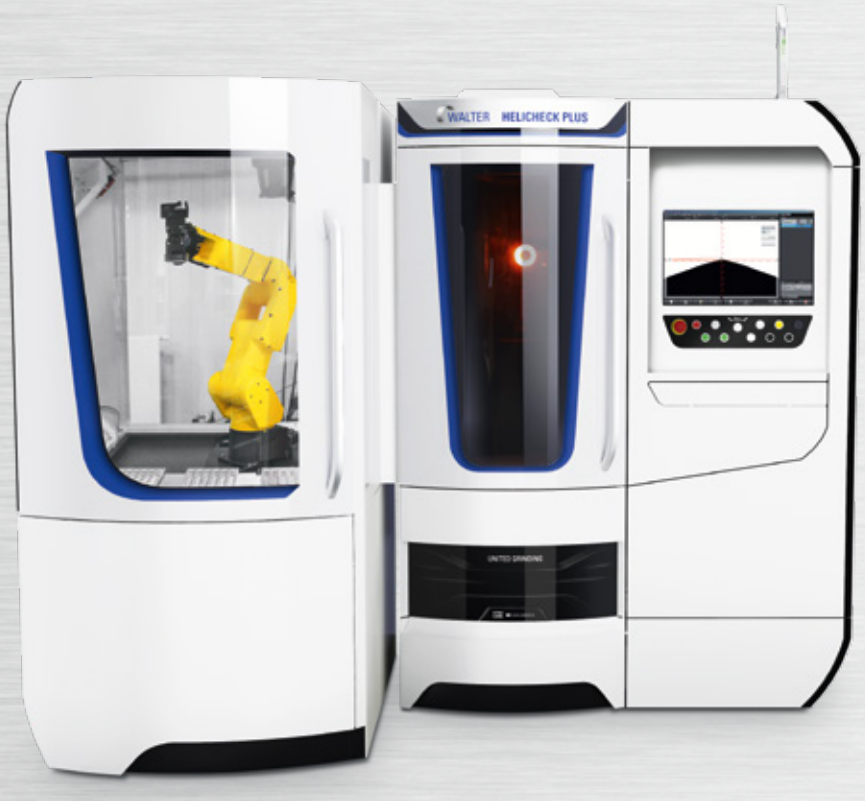
WALTER INFO 13/2018

HELICHECK WITH ROBOT LOADER

Measurement of complex tool geometries in unmanned operation automates final inspection of tools

NEW
Unmanned measurement with customary precision



Key parameters

The new robot loader for the HELICHECK measuring machines allows you to increase the flexibility of your final tool inspection. Up to 3,500 tools can be automatically loaded into the measuring machine, measured and logged. After the measurement, each tool is automatically assigned a “good” or “reject” part status.

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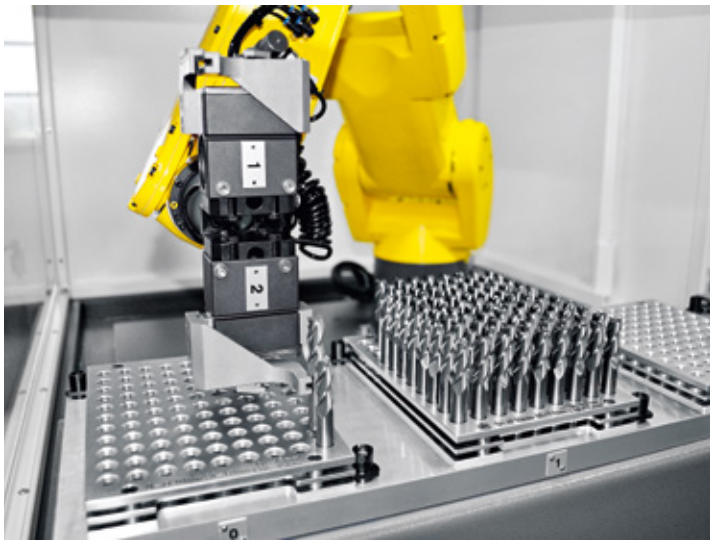

- Automatic measuring following production
- 100% quality control of ground tools
- High tool output
- Maximum accuracy with decoupling of robot loader and measuring machine. No vibration transmission.
- Intelligent sorting function with placement in “good” or “reject” pallets following the measurement
- Easy operation with fully integrated control software
- 4 pallet positions. Optionally available with up to 16 pallet positions
- Pallet loading from front
- Maximum tool capacity: 7 x 500 pcs = 3,500 pcs (depending on tool diameter, collet change and number of available pallet positions)
- Optional: automatic collet change for other tool diameters. This enables variable loading of the pallets with different tool diameters.
- Max. tool length: 280 mm
- Max. tool weight: 5 kg
- FANUC 6-axis robot

Tool manufacturers can now secure a key advantage with the automation of HELICHECK measuring machines. What has proven extremely effective in conjunction with the WALTER grinding machine now forms the logical development with the robot loader for the measuring machine. Quality and output are increased, the grinding process is automatically monitored and documented.

Options

- Automatic cleaning of tools prior to measuring
- Automatic laser marking of tools after measuring

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