

WALTER INFO 02/2024

ATP – AUTOMATED TOOL PRODUCTION

INNOVATIVE AUTOMATION SOLUTION
FOR TOOL MACHINING

NEW



Automation

WALTER

ATP – AUTOMATED TOOL PRODUCTION

INCREASED EFFICIENCY, COMPETITION AND A SHORTAGE OF SKILLED LABOUR MAKE A HIGHER DEGREE OF AUTOMATION IN INDUSTRIAL PRODUCTION IMPERATIVE

With the new „Automated Tool Production (ATP)“ system, WALTER now offers an automation solution for cylindrical precision tools. ATP is the innovative solution for connecting grinding, eroding and measuring machines from WALTER, as well as upstream and downstream machines from other system partners in the production process.

The ATP system requires no additional floor space, can be integrated into existing system layouts and is also suitable as an interface for machines

from other manufacturers. It consists of at least one robot cell (ATP ROBOCELL) accessible from the front for automatic loading and unloading of the machines and at least one autonomous, mobile transport robot (ATP Mobile Robot) for transporting the tool pallets and individual parts between the storage and processing stations. This also includes a standardised communication model between the machines and the ATP AMR transport robot as well as a control system for higher-level data and process control.

ADVANTAGES: ATP SYSTEM

- One system for all grinding, measuring and eroding machines from WALTER
- Can be retrofitted without changes to the system layout
- Front-accessible ATP ROBOCELL with 3 access gates and buffer stations for production without downtimes .
- Separate removal station for in-process exchange of individual parts between measuring and processing machine

ADVANTAGES: ATP ROBOCELL

- One ATP ROBOCELL for WALTER measuring and grinding machines
- Can be retrofitted
- No changes to the layout of the production system necessary
- No additional floor space required
- No downtime when changing tools and pallets
- Buffer spaces for loading and unloading
- Upgrade options such as collet change, individual tool cleaning options
- and much more...

TECHNICAL DATA

Min. tool diameter	3 mm
Max. tool diameter	32 mm
Max. tool length	250 mm
Max. tool weight	2.5 kg
Max. total weight carrier	40 kg
Max. tool capacity	∞

THE FOLLOWING WALTER MACHINES CAN BE INTEGRATED

Grinding/eroding machines

HELITRONIC VISION 400 L, HELITRONIC VISION DIAMOND 400 L, HELITRONIC POWER 400, HELITRONIC POWER DIAMOND 400, HELITRONIC RAPTOR, HELITRONIC RAPTOR DIAMOND, HELITRONIC MINI PLUS, HELITRONIC DIAMOND EVOLUTION



E.g. HELITRONIC VISION 400 L

The high-end solution for high-precision tool grinding. It offers production and/or resharpening companies the best conditions for grinding rotationally symmetrical tools.

Measuring machines

HELICHECK PRO, HELICHECK PLUS



E.g. HELICHECK PLUS

For the fully automatic complete measurement of rotationally symmetrical tools with complex geometries: $E_{UX,MPE}$ value = $(1.2 + L/300)$ µm.

🗨️ Talk to us. We will be happy to advise you.

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