

ToolStatus

With Tool Check, your tool life is constantly analyzed with relevant data keeping your tool life up to date.

System requirements

- » 840D sl with Sinumerik Operating System, software 4.5 or higher
- » Customer database with tool data from tool presetting



EMAG Salach GmbH

Austrasse 24 · 73084 Salach · Germany Phone: +49 7162 17-0 · Fax: +49 7162 17-5197 E-mail: info@emag.com

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Benefits

- » Utilization of the full tool life in tooling processes, and optimization of tool costs
- » Reduction of entry errors in tool data
- » Minimization of downtime caused by unplanned tool changes
- » Optimization of production processes and tool change processes
- » Transparent production
- » Needs-based tool change (as required by wear)
- » Tool compensation according to wear working together with machine-integrated measuring probe
- » Tool breakage monitor

ToolStatus and ToolStatus+ Capture detailed data used to analyze tool status

The condition of tools is critical for the machining quality and productivity of a machine. In order to effectively plan your production, it's important to be up to date on the status of your remaining tool life. EMAG's ToolStatus and ToolStatus+ provide a solution that makes this planning much easier.





ToolStatus

ToolStatus tremendously simplifies tooling for EMAG machines. The machine is equipped with a software program and a hand-held scanner. Every tool is fitted with a QR code or barcode, allowing definitive identification and tracking. The operating data of every scanned tool is entered directly in the machine's control through a connection to an external data source, (internet or USB drive). Manual entry of tool data is completely eliminated, ruling out any chance of entry errors.



ToolStatus+

ToolStatus+ takes tool monitoring a step further with the integration of a laser measuring bridge. After a tool is used, it is measured automatically (recording the cutting edges) by a machine-integrated laser measuring bridge before being transferred from the machining area to the tool magazine. The tool's cutting edge dimensions are compared to the values previously measured, and the changes resulting from wear are saved after transfer to the tool magazine.



ToolStatus+ Checking of tools with machine-integrated laser measuring bridge