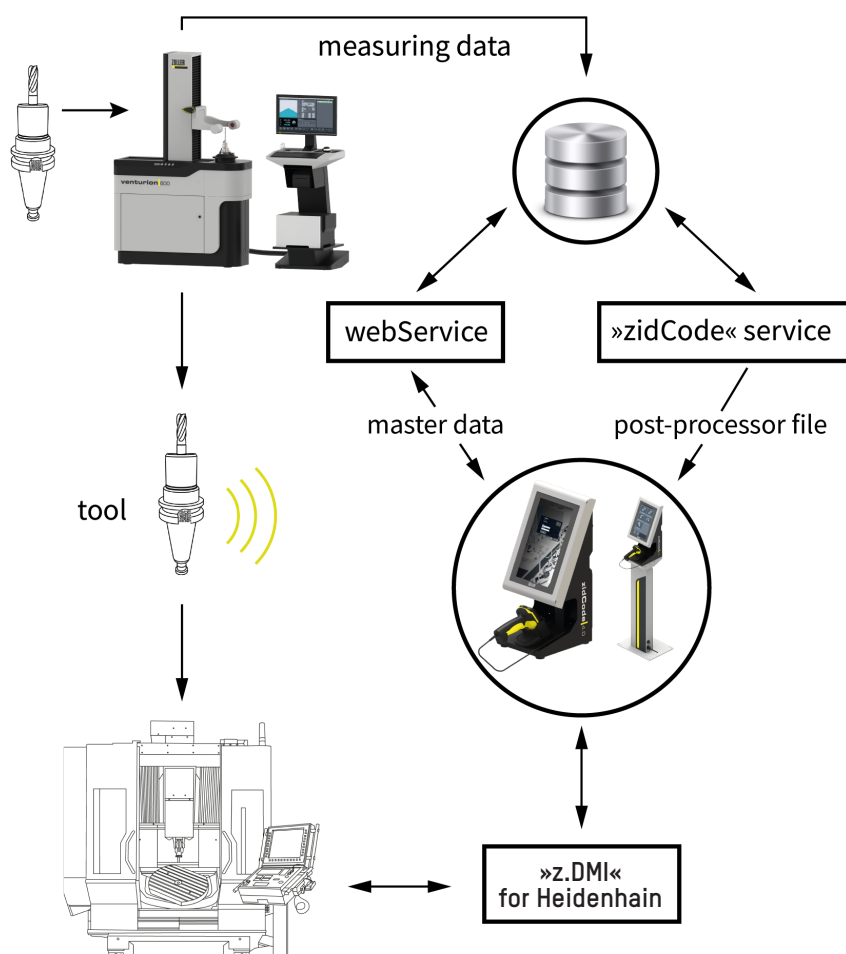ZOLLER TMS Tool Management Solutions | 8708257

»z.DMI« Technology for Heidenhain with »zidCode 4.0«

Thanks to the ZOLLER Direct-Machine-Interface Technology **»z.DMI«** for Heidenhain control systems, data is transferred directly to the control unit, deleted and transferred back to the **»z.One«** database. Thus, tool data is made transparent and available everywhere.

For further technical specifications please refer to document **Technical Description »zidCode 4.0«**

We prepared a video for you on how to achieve more safety and efficiency through simple tool data handling with »zidCode« and »zidCode 4.0«: Scan the adjacent QR code or enter the link below in your browser:
https://youtu.be/J7mYwcnRYAg

The tools are being inventoried and identified via a 2D code on the tool holder. At the ZOLLER presetting and measuring machine, the tool is measured in the »zidCode« module or another module. Measuring data is stored in the »z.One« database, independently of the machine.

The »zidCode 4.0« unit is located on every machine with a Heidenhain control. The tool is brought there and scanned, the tool data is transferred directly to the control system via »z.DMI« technology. After use, the tool is scanned there again and the data is deleted from the Heidenhain control. Tool life data is written back to the database and the tool can be read in on the next machine without having to be measured again.

Your benefits:
- Easy operation due to automatized processes and explicit instructions
- Process reliability thanks to data centralization and avoidance of typing errors
- Cost reduction by tool life management and traceability of tools

ZOLLER requirements:
- »zidCode 4.0« with basic software (item no. 8708253) version 1.02.0001 or higher
- »zidCode« module (item no. 8708250) starting with »pilot 4.0« version 1.18.21 or higher
- Post-processor

Requirements for machines equipped with Heidenhain control:
- 426/430/530: Option 18 licensed. Network connection and compatibility with TNC Remo. Allowance for opening of TCP/IP port 5900
- 640: Allowance for opening of TCP/IP ports 5900, 19000 and 19003. Firewall permission for RPC protocol.
- All: Integration into manufacturing network

Requirement for tool holder:
- 2D code identification, e.g. via ZOLLER idChip (WZV1000-030)