Quick, simple tool identification for securely and automatically transferring tool data

»zidCode« Data Format for All Machine Controls with USB Keyboard Connection

such as Heidenhain, Fanuc, Siemens

Tool master data

- Identification number
- T-number
- Code
- Tool recognition
- Tool size
- Duplo number
- Change speed

Step data 1

- Tool type
- Length (Z)
- Cross dimension (X)
- Point angle
- Lifetime
- Remaining lifetime
- Warning limit
- Cutting edge radius
- Difference of rotation center (Y)

Requirements

- ___ CNC machine (control) with USB connection, which recognizes a simulated USB keyboard and can simulate data input with this keyboard
- ___ ZOLLER tool presetter and measuring machine with »pilot 3.0« or »pilot 2 mT« image processing version 1.15.0.0 or higher

Equipment

- ___ One microcontroller for »zidCode« per CNC machine
- ___ One bar code reader 1D/2D per CNC machine
- ___ Software for »zidCode« on ZOLLER tool presetter and measuring machine with »pilot 3.0« or »pilot 2 mT« image processing
- ___ Thermo label printer (25 mm x 75 mm)

PRESETTING SOLUTIONS
SOFTWARE SOLUTIONS
INSPECTION SOLUTIONS
AUTOMATION SOLUTIONS

The ZOLLER Tool Identification Code

zidCode

www.zoller.info

E. Zoller GmbH & Co. KG | Tool presetter and measuring machines
Gottlieb-Daimler-Straße 19 | D-74385 Pleidelsheim
Tel: +49 7144 8970-0 | Fax: +49 7144 8060-807
post@zoller.info

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expect great measures

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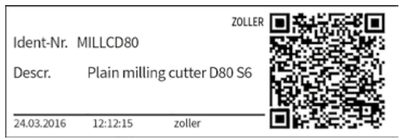
Simple, Fast, and Secure – »zidCode«

The efficient solution for tool identification and data transmission:
The »zidCode« identification code developed by ZOLLER requires no network connection, instead transmitting data for complete tools conveniently with a QR code.

The process is exceptionally simple: Tools are measured using your ZOLLER presetter and measuring machine as usual, then all data is encrypted in a QR code and printed on a label. Then this QR code only needs to be scanned with the reader to automatically enter the data into the appropriate fields on the CNC machine controls. Manual data entry and typos are finally a thing of the past.



Benefits

- Typos eliminated through secure, error-free data transmission
- Avoidance of machine crashes
- Very well suited for upgrading turning and milling machines and for machining centers
- Perfect application for turning lathes, since no RFID technology is included

»zidCode« – Keep Your Tool Data Under Control!

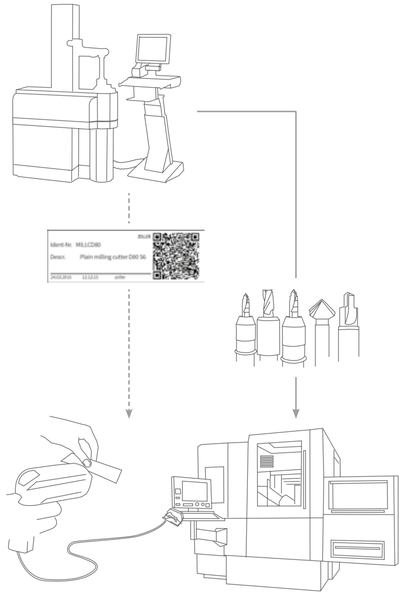
It's So Simple

01 Set | Measure | Save
Set and measure tools on the ZOLLER presetter and measuring machine

02 Print the QR Code
Print actual tool data on the label, including the QR code

03 Scan »zidCode«
Scan »zidCode« label with QR code on the CNC machine, and the actual tool data is automatically entered into the correct fields on the controls of the CNC machine

04 Load Tool
Tool can be physically loaded into the CNC machine



Secure and Efficient Processes

Quickly Read in 100% Correct Data

With the ZOLLER »zidCode«, you can save 45% of the time* spent manually entering actual tool data into the machine controls. Input errors are also completely eliminated at the same time – doing away with time-consuming follow-up work and increasing process security.

Example of Data Input for 6 Tools:

04:30 min
without »zidCode«

02:30 min
with »zidCode«

In Addition, You Will Benefit From:

- More flexible conversions
- No network required
- Ideal for all machine types

* Time savings based on tool data input into the machine controls. To calculate the total savings for your production, please contact your responsible ZOLLER contact person.

Video demonstrating the »zidCode« process and potential time savings