The ZOLLER Tool Identification Code
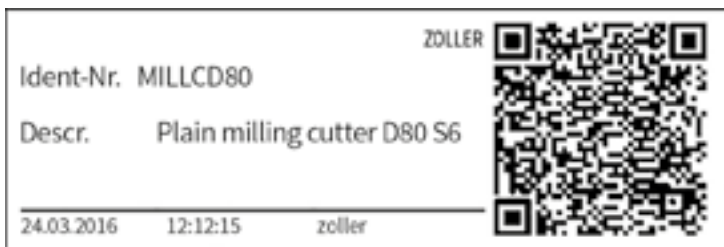
zidCode

ZOLLER
expect great measures

Simple, Fast, and Secure – »zidCode«

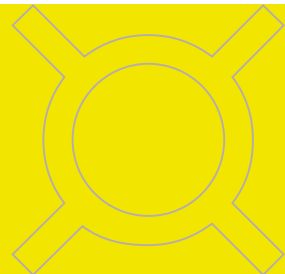The efficient solution for tool identification and data transmission:
The »zidCode« identification code developed by ZOLLER requires no network connection, instead transmitting data for complete tools conveniently with a QR code.

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.

Ident-Nr.	MILLCD80	ZOLLER
Descr.	Plain milling cutter D80 S6	
24.03.2016	12:12:15	zoller

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

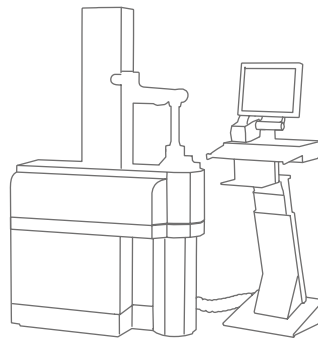___ Perfect application for turning lathes, since no RFID technology is included

»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

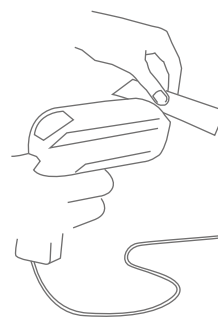**02**

Print the QR Code
Print actual tool data on the label, including the QR code
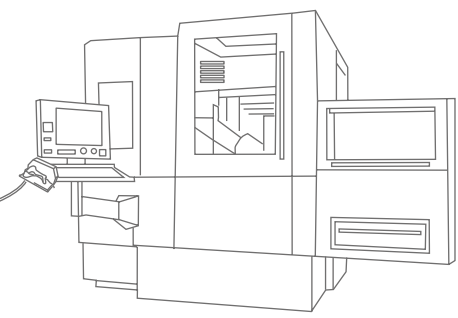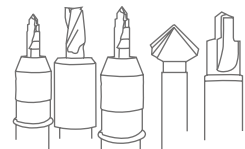
03

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
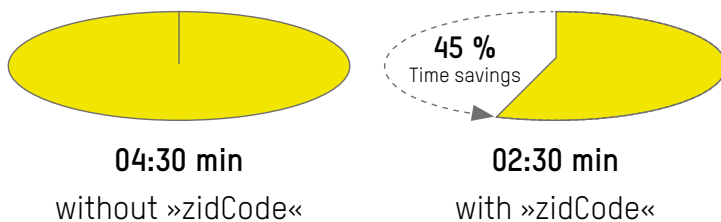Tool can be physically loaded into the CNC machine

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:

45 %
Time savings

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

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

Description

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 1.15.00 or higher, or »pilot 1.0« image processing version 1.15.13.0 or higher and thermo-label printer

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)

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