

The ZOLLER Tool Identification Code

**ZOLLER**  
expect great measures

# zidCode

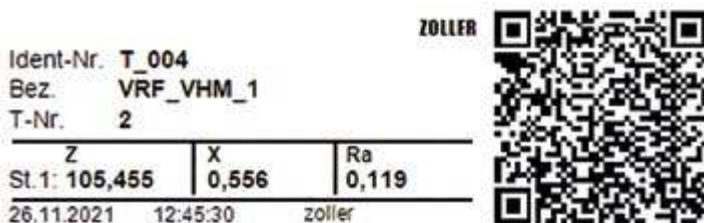


# Simple, Fast, and Secure – »zidCode«

The efficient solution for tool identification and data transmission:

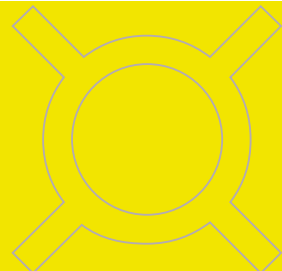
The »zidCode« identification code developed by ZOLLER requires no network connection, instead transmitting data for complete tools conveniently via QR code.

The process is exceptionally simple: Tools are measured using your ZOLLER pre-setter and measuring machine as usual. Then all data is encrypted in a QR code and printed on a label. 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





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



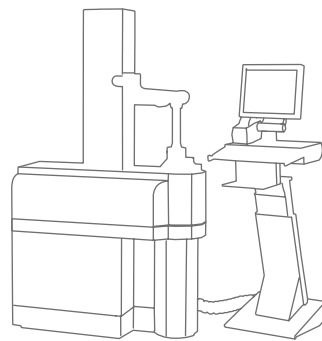
# »zidCode« – Keep Your Tool Data Under Control!

## It's So Simple

01

### Set | Measure | Save

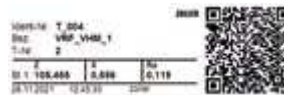
Set and measure tools on the ZOLLER presetter and measuring machine



02

### Print the QR Code

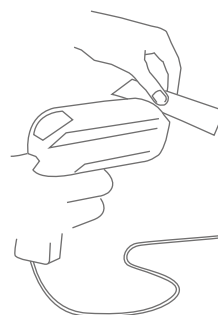
Print actual tool data on the label, including the QR code



03

### Scan »zidCode«

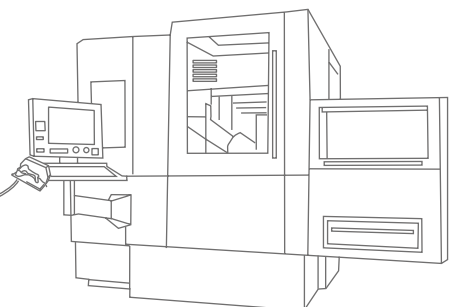
Scan »zidCode« label with QR code on the CNC machine, and the actual tool data is automatically entered into the correct fields on the controls of the CNC machine



04

### Load Tool

Tool can be physically loaded into the CNC machine

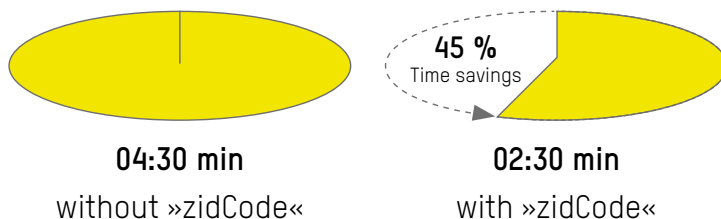


# Secure and Efficient Processes

## 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:



### In Addition, You Will Benefit From:

- More flexible conversions
- Networkless transmission
- Variable use on all machine tool 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



# »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

Longitudinal dimension and nominal value Longitudinal dimension (Z)

Transverse dimension and nominal value Transverse 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 an external 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, or »pilot 1.0« image processing version 1.15.13.0 or higher and thermo-label printer

## Scope of Delivery

»zidCode« unit with 1D/2D scanner for thr control at the machine  
Software for »zidCode« on ZOLLER tool presetter and measuring machine with »pilot 3.0«, »pilot 2 mT« or »pilot 1.0« image processing  
Thermo label printer (25 mm x 75 mm)  
Optionally available as radio version



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Automation

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