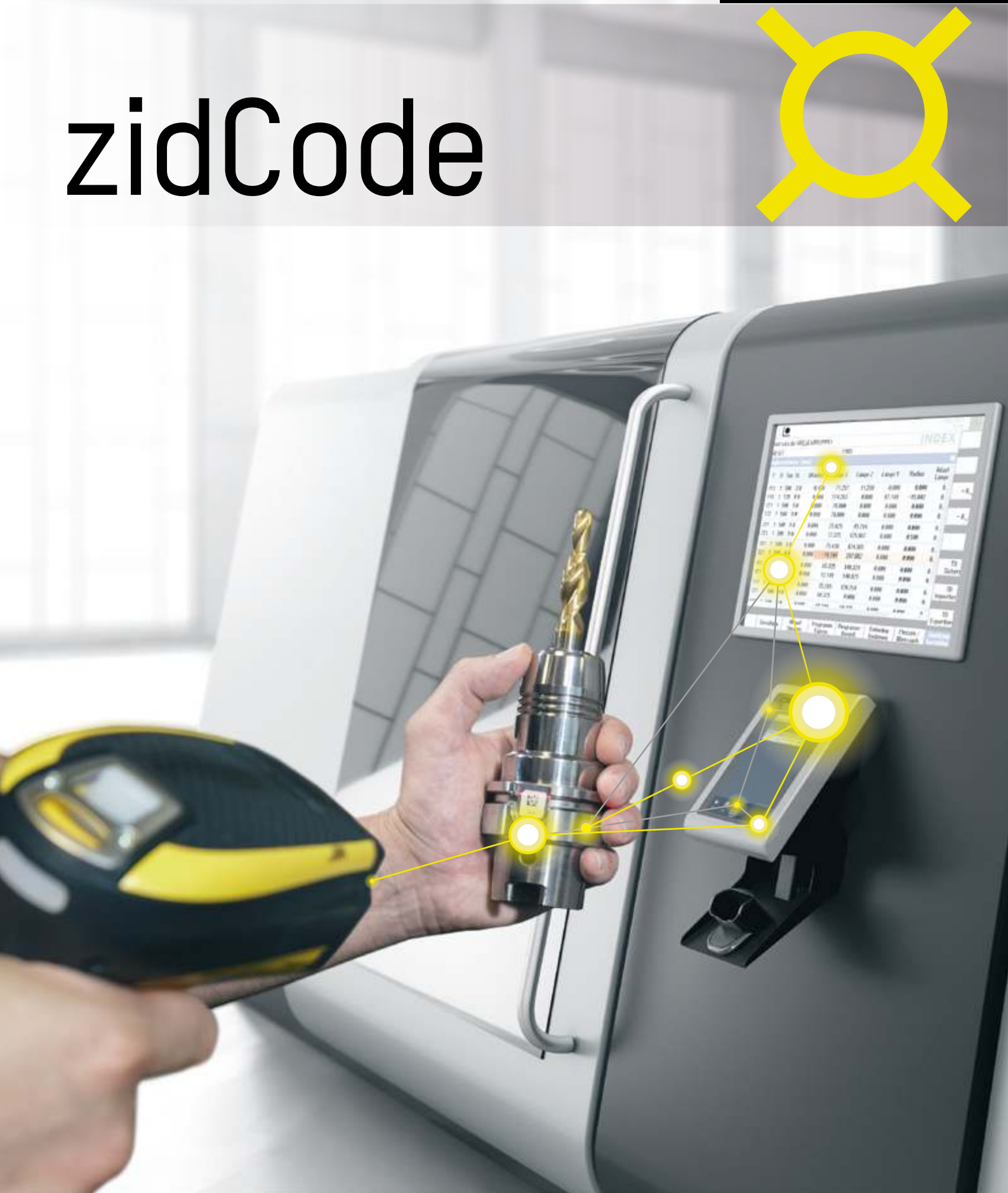
ZOLLER
expect great measures

Transfer Tool Data Quickly and Reliably –
No Matter Your Machine Controller

zidCode



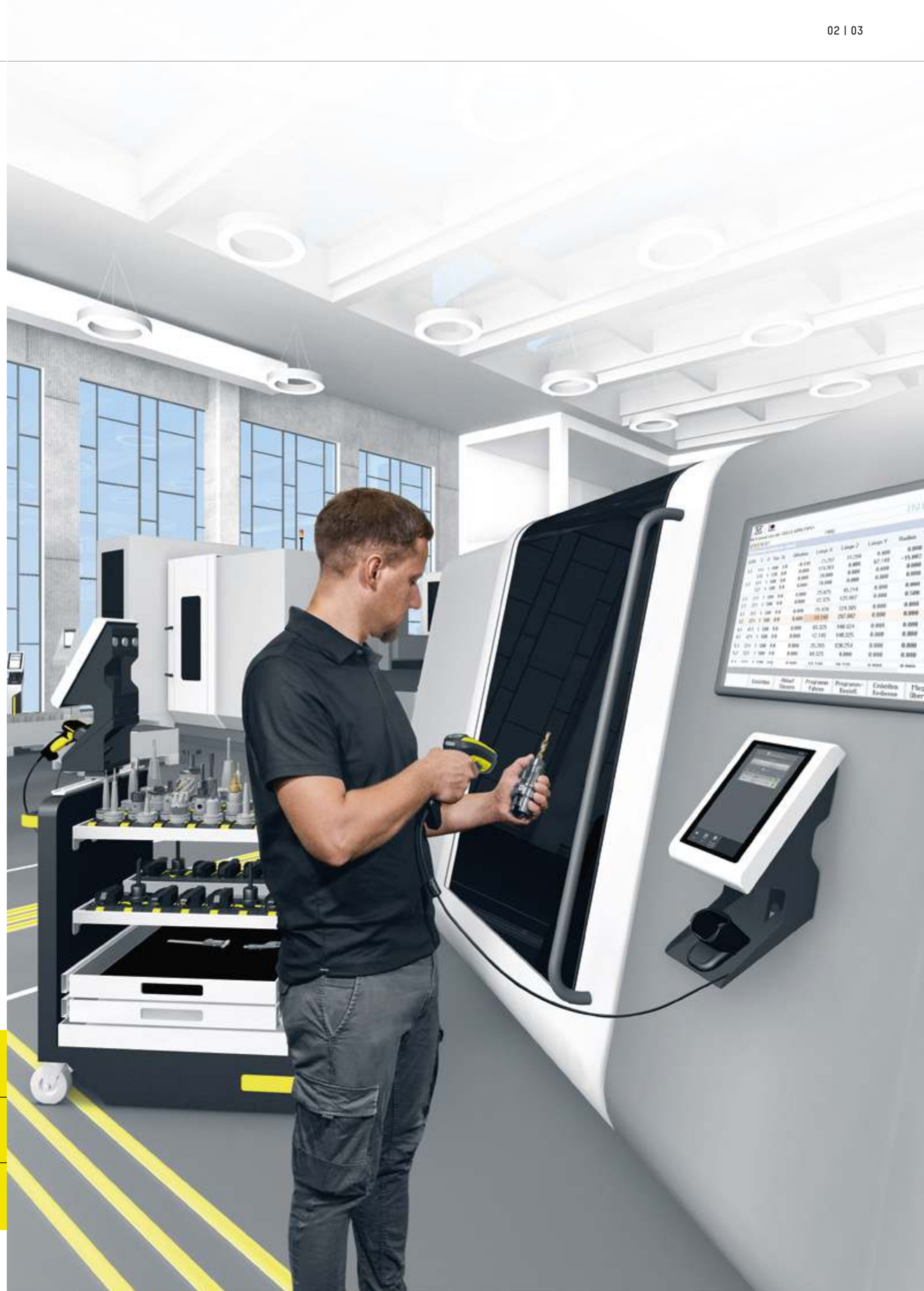
Simply Networked – Extremely Profitable

Are you wondering how you can digitize your production without a major investment? »zidCode« by ZOLLER is the answer! With this efficient solution for tool identification, data transmission and communication, you benefit from correct and complete tool data transmitted to your machine tools quickly, in a paperless process with no typos – regardless of the controller you use. Thanks to this flexibility, »zidCode« is an optimal solution for a wide range of data transfer requirements.
The result: With »zidCode«, you can increase your reliability and improve your productivity. At the same time, you can launch digitized manufacturing without high investment costs or expensive retrofitting, ensuring you are well-equipped for a successful future.

Reliable –
fast, simple tool identification for 100 % correct data

Flexible –
no pre-definition required, independent of the CNC machine

Efficient –
continue to use existing ZOLLER post-processors



3 in 1 – Flexibility, Reliability and Efficiency in a Single Process

As easy as counting to three: »zidCode« is the reliable, fast way to transmit your tool data to the machine! The software quickly and reliably guides you through the process with clear instructions and images. You decide exactly what this process looks like – »zidCode« adapts to your needs and production requirements with various options.
This means you can avoid drawn-out training sessions and retrofitting your machines, allowing you to benefit immediately from the reliable transfer of your tool data.

01.

Tool Preparation

All of the tool holders used in the process are marked with a unique 2D code. Tool holders and cutting tools are removed from an available tool storage, fitted and inventoried in the »pilot« software without needing to first save data via the »zidCode« module. Data are then available for the rest of the process sequence.

02.

Tool Presetting and Measuring

Prepared complete tools are identified using the 2D code in the »zidCode« module of the »pilot« software on the ZOLLER presetting and measuring machine and measured. Actual tool data are saved in the central z.One database.

03.

Tool Data Transfer to the Machine

Complete tools are transported to the machine using the tool cart and scanned into the »zidCode« control unit. Actual tool data are requested via the network from the z.One database, or loaded into the local »zidCode« unit via a Bluetooth connection from the »idTransporter« tool cart. Data are then prepared for the controller and read into the machine controls.

Adaptable –
data transmission via Bluetooth or the network

Simple –
users are guided reliably through the process

Compatible –
also suitable for use with older machines

»zidCode« – Keep Your Tool Data Under Control Everywhere

»zidCode« can do more: The ZOLLER communication platform with thoughtful functions is networked with your machines and extremely simple to operate! No matter where you are in production – thanks to »zidCode«, you will always receive real time information on your tool, anywhere. All you need are CNC machines with a USB, network or RS232 connection and access to power directly on the machine. That makes ZOLLER »zidCode« the simple way to create an economical tool management system.

Further Requirements:

- ZOLLER presetting and measuring machine with »pilot« image processing software above Version 1.18.0
- Post-processor in »pilot«
- Tool holders labeled with a 2D code: Either via laser engraving or using the practical, rugged »idLabel« by ZOLLER

Makes Your Work Easier!

At ZOLLER, all of our developments undergo thorough testing.
We only market our innovations once we are certain they will help you work better, faster, and more reliably. Just like the new »zidCode« – we're certain you will be impressed how much this system can facilitate and accelerate your work!

Your Benefits

Fast, simple and reliable tool identification and data transmission – with no typos.	**100 % correct data**
Data transmission via the network, USB or RS232 – without pre-definition and independent of the processing machine.	**Flexible integration**
Simple networking of machine fleets with different types of milling and turning machines.	**For any production**
Start immediately without entering tool data – the »zidCode« software guides users reliably through all of the steps with text and graphics – to make work fun!	**Simple operation**
Thanks to the various TMS Tool Management Solutions software packages, we offer the right option for any requirement – subsequent expansions can be completed at any time.	**Expandable**
Machines will never crash due to incorrect or incomplete tool data or tool mix-ups. The »idLabel« can be used to inventory complete tools and prevent process errors.	**Process security**
Operators receive the tool information they need directly by scanning the 2D code, anywhere in production.	**Usable anywhere**
Get started with digitization easily and inexpensively – existing machines can be retrofitted, and ZOLLER post-processors can be used immediately without any conversion required.	**Practical and inexpensive**
Less machine downtime thanks to optimized tool use planning.	**Increased production efficiency**
Tool data transmission without labels through a paperless process saves resources, and the modular design of the software provides security for the future.	**Sustainable**

More Options – More Performance

Integration into Production

»zidCode« adapts to your production – you choose whether to connect your machine via the network, USB or RS232 technology. This allows »zidCode« to be used in any machine fleet.

»zidCode« Hardware Variations

You choose: The »zidCode« unit hardware is available with a stand or as a compact unit for attaching magnetically to your CNC machines.

Automatic »autoIDscan« 2D Code Scanner

You can either use a handheld scanner to scan the 2D code on the ZOLLER presetting and measuring machine, or use the even more practical »autoIDscan« camera system to automatically detect and scan the 2D code directly on the spindle of the ZOLLER presetting and measuring machine.

Data Transmitter for the Bluetooth Version

The »idTransporter« tool cart with a »zidCode« unit and integrated Bluetooth memory chip is an alternative to a network connection. Measurement data are transmitted to the memory chip via Bluetooth technology by the »pilot« software, then transported to production with the tools.
Data are prepared for the controller, then read into the CNC machine either directly via the »idTransporter« or using the »zidCode«. The "Data transmitter" between the ZOLLER presetting and measuring machine and CNC machine can hold up to 450 kg and allows for up to five tool frames for holding different complete tools.

Rugged Laser Alternative: »idPrinter«

ZOLLER offers the option of printing data matrix codes as labels, as an alternative to laser engraving on tool holders. These are coated with resin, offer good abrasion resistance, and are long-lasting even under difficult production conditions.

The ZOLLER »idLabel«

As an alternative to purchasing an »idPrinter«, ZOLLER offers the option of pre-printed »idLabel« as initial equipment for tool holders. Simply enter your desired number range and ZOLLER will provide »idLabel« for your tool holders.

More Efficient Set Up with Tool Exchange Lists

»zidCode« offers the "Optimized Setup Sheet" software module to quickly create exchange lists and ensure only the actual tools required are prepared during conversions.
First, the set up sheet is generated, then the machine is defined, and then the exchange list is created.

Act Quickly in Case of Broken Tools

When a machine reports a broken tool or warning limit, the "Tool Break" software module marks the tool in question. It appears automatically in the »pilot« software of the ZOLLER presetting and measuring machine, where a replacement tool can be measured.

TMS Tool Management Solutions SILVER | GOLD

Manage your tools physically and digitally based on your requirements, and add to the advantages of »zidCode«: With the SILVER package, you can manage your tool storage even more efficiently. The GOLD package offers complete cost controlling and perfect tool organization.

Storage Solutions for Networked Manufacturing

With Smart Cabinets from ZOLLER, tools can be stored and removed in a structured way. Storage orders for ZOLLER Smart Cabinets can be created directly in the »zidCode« software. This closes the circle for efficient tool preparation and tool acquisition based on your needs.

ZOLLER solutions

More speed, higher quality, reliable processes –
with ZOLLER you get more out of your production process.
We combine hardware, software and service
to create optimum system solutions for presetting,
measuring, inspecting and managing tools.

- Presetting & Measuring
- Tool Management
- Inspection & Measuring
- Automation

Everything from a single source.
Everything for your success.
Everything with ZOLLER Solutions.

ZOLLER
expect great measures

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