

Software for More Efficiency in Your Production

**ZOLLER**  
expect great measures

# Software Solutions



# Up and running!

Keep Everything Running Seamlessly in Your Production

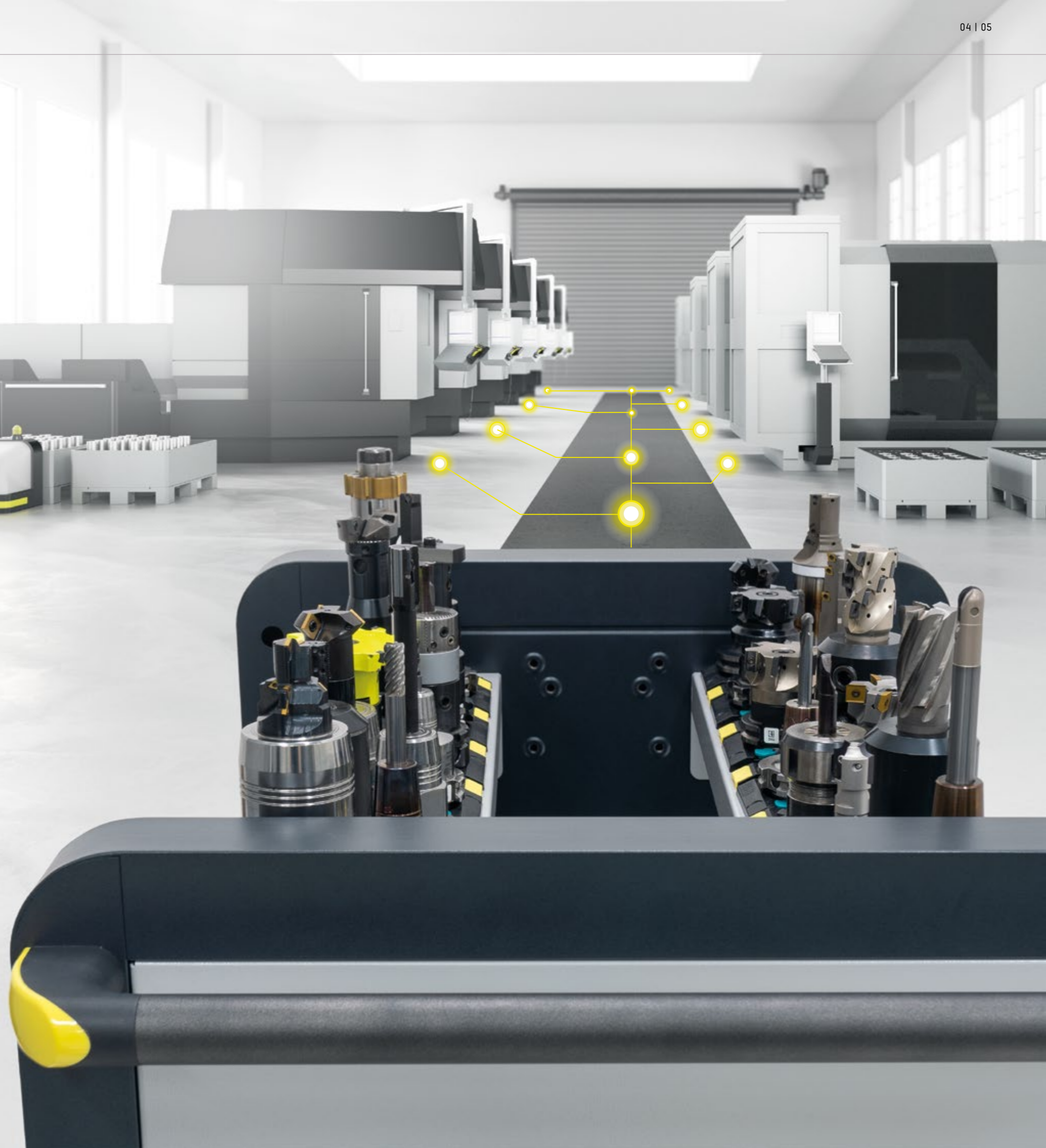
Powerful software solutions from ZOLLER support your production department and help avoid potential bottlenecks: by quickly and correctly transferring order and tool data to production, during tool management and setup, through machine-specific transmission of tool data to the CNC machine, and during the quality control of your tools. ZOLLER TMS Tool Management Solutions and »pilot« measurement machine software help processes run smoothly.



# Added Value from Tool Data

ZOLLER software solutions guide your tools throughout their entire service life, in production and over the entire tool life cycle. Our solutions enable you to have a complete and clear overview of tool purchases, usage, and scrap rates based on a variety of data records.

ZOLLER can help you utilize your tool data. This allows you to increase productivity and save time, resources, and money.





## Networked Production with Advanced Software

ZOLLER TMS Tool Management Solutions and »pilot 4.0« measurement device software from ZOLLER make it even easier for you to measure, inspect, set and manage tools. Navigate your tools confidently throughout the entire tool life cycle. Network your production with high-precision tool measurement and presetting data, alongside versatile tool management software. This will help you reduce the sources of error, accelerate processes and enjoy more profitable production.

# Programmed for Efficiency

You benefit from digital solutions by ZOLLER even during the work preparation stage. Our solutions ensure that your production processes are smooth and efficient right from the start.

Thanks to a wide variety of interfaces, you can work directly in ZOLLER software with all CAD/CAM tool data. You will be able to use 100% correct tool data at all times.

The ZOLLER Shopfloor Manager gives you an overview of every stage of your orders – from the time the production order is created to when it is delivered. You always know which of your tools is in use where, and can plan to use your tools to their full capacity.

With ZOLLER, you enjoy a boost in efficiency right from the start.



## Tools and Data: Hand in Hand

- 1 Incoming Goods Control: Manage Tools the Right Way, Right from the Start**  
Your tool management starts during incoming goods controlling, when you either measure your tools to generate measurement data yourself, or digitize a test report from the manufacturer. This allows you to book every tool into TMS Tool Management Solutions storage location management.
- 2 Tool Storage and Assembly: Fast Access to all Components**  
Every tool, every piece of testing equipment and every device is stored in one of the ZOLLER Smart Cabinets and can be located quickly via TMS Tool Management Solutions with no need for searching. Once a tool is installed according to the setup sheet, it is approved for the next step in the software. You always maintain complete transparency.
- 3 Measuring Tools: Generating and Saving Data**  
With ZOLLER, you can link actual tool data and tools reliably and permanently – via a bar code or DataMatrix code, RFID chip, or you can store the data in the central z.One database alongside the tool ID. Production departments with high tool throughput can fully automate tool measurement: Using the »cora« assistant robot, or the ZOLLER »roboBox«.
- 4 Tool Transportation: All Data on Hand**  
Tools must be transported manually or via an automatic process during manufacturing. ZOLLER ensures that each tool is always linked to its specific data. No matter where you need to access tool data in your production – the information you need is there.



## Tool Data on Every Level

- 5 Data Transfer: »zidCode«, Post Processor or RFID chip**  
ZOLLER offers three fast and secure options to access tool data digitally and in a format appropriate for the control technology of your CNC machine. »zidCode«, the ZOLLER communication platform, allows you to scan a code on the tool to start the data transfer. Ideally, post-processors will use your production network. If you use RFID chips, then data is exchanged between your tool and machine via electromagnetic fields.
- 6 Monitoring: »cetus« and »flash« – Machines and Service Lives Under Control**  
The »cetus« software package uses previously booked setup data sheets to calculate net tool requirements for every machine. Your tools are always provided efficiently and reliably for your process. The »flash« module displays all service life data. This means you are always aware of any need to exchange, regrind or restock your tools.
- 7 ZOLLER »genius«: Quality Assurance for Your Production Process**  
ZOLLER »genius« is the universal measuring machine for fully automatic, user-independent controlling of cutting tools. It allows you to measure precisely whether and how you need to regrind a tool. »genius« contributes to significantly longer service and tool lives for your tools.
- 8 Tool Life Cycle: End-of-life Scenarios**  
Once a tool has reached the end of its service life, you have two options: regrind the tool, or scrap it. Measurement data from your ZOLLER »genius« gives you confidence in your decision. If regrinding is an economical choice, the tool is stored afterwards in ZOLLER Smart Cabinets.

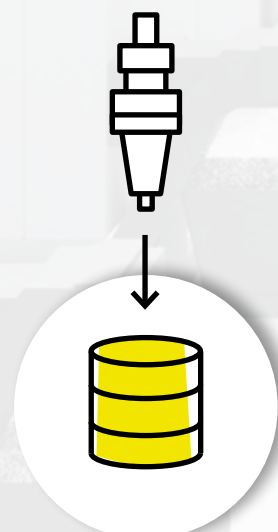
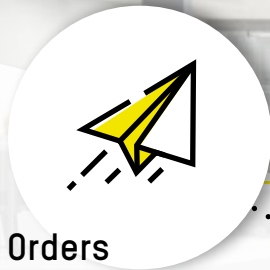
# Optimal Order Organization

The ZOLLER Shopfloor Manager guides your orders through the entire production process – from order creation via CAD/CAM, to tool preparation and storage, presetting and measuring, the CNC machine to reworking or scrapping your tools.

Help your orders run smoothly with ZOLLER.

## → Incoming Orders

**Order creation** is handled either directly in ZOLLER TMS, or you can import existing orders from your ERP system. Orders, as well as tools, fixtures, and testing materials can be assigned to the machines with the least required set-up work.



z.One database

## CAD/CAM

**CAM interfaces** with user-friendly operation. ZOLLER software users will be familiar with the CAM tool structure.

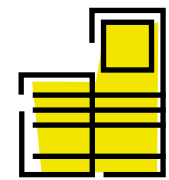


3D tools and their components can be created and edited directly in ZOLLER TMS.



## Warehouse / Tool Provision

**Clear tool management** of your single components, complete tools, fixtures, testing materials and accessories. Find everything you need for tool and order preparation with just one click.



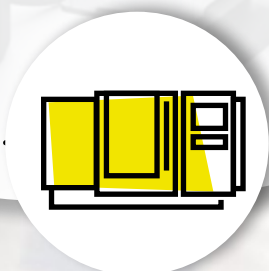
## Presetting/Measuring

Once tools are set up, the order is forwarded to the **presetting and measuring machine**. There, all tools are measured according to the setup sheet, and data is transmitted to the machine tool.



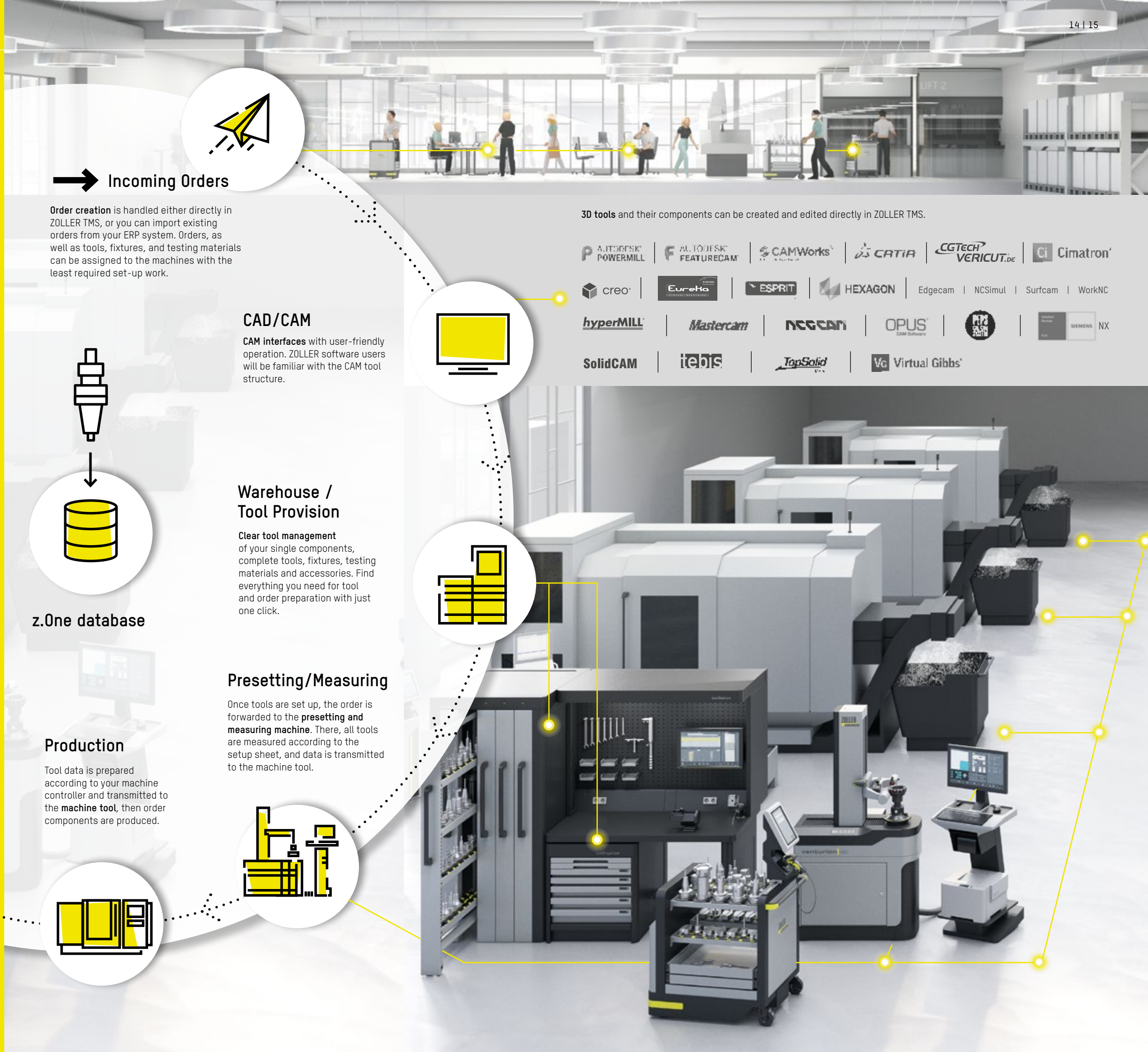
## Production

Tool data is prepared according to your machine controller and transmitted to the **machine tool**, then order components are produced.



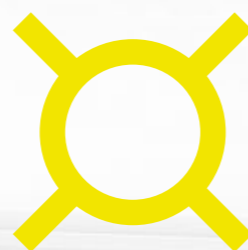
## ← Delivery

Upon **delivery**, the order will be concluded and can be stored in the software. Tools can be either returned to storage in the ZOLLER TMS, depending on their future use, or marked as "to regrind" or "to scrap".



# Displays Just One Thing on Start-up – Your Cockpit

With »pilot 4.0« you can customize your control center – for the entire ZOLLER landscape. Select menus, buttons, colors, looks and icons. Make »pilot 4.0« and TMS Tool Management Solutions your personal daily navigator.



**Customizable** – adapts perfectly to your needs

**Adaptable** – equipped to handle any challenge

**Configurable** – goes the distance, no matter the task

**Universal** – looks exactly the same on any device





# Create New Paths - Quickly and Fully

»pilot 4.0« measuring machine software is more than just a step ahead in operation and customization. »pilot 4.0« is leading the pack. So that you can achieve your goals more easily, quickly, and conveniently.

### Your Identity:

Select which group in the menu is which color.

Custom color coding. Get your bearings and select functions quickly.

### Track Everything:

Search through extensive libraries quickly.

Precise scanning. Specify search texts, or stipulate a file extension to filter by.

The performance of the graphic library has been boosted significantly.

### Turbo Tempo:

Jump through huge libraries - all the way to Z.

Use the quick scroll bar to search from A-Z and quickly access your desired data record.



# Make Order a Guiding Principle

## An Elegant Evolution: More than a few Tweaks

»pilot 4.0« isn't a face-lift, or a radical revolution. »pilot 4.0« is a conscious evolution of proven success. You're going to love it.

## Tried and True: »pilot 4.0« Functions Like a Smartphone or Tablet

You can get started right away. Buttons are clearly defined, symbols are logical, and all functions are clearly visually delineated.

## Bigger, Better: Larger Click Areas, Touch Areas & Symbols

Enjoy ample sizing in »pilot 4.0«, with more conveniently sized buttons designed to reduce operating errors, canceled functions & superfluous clicks.

## Screen Scouts: Self-explanatory Icons Guide you Through any Task

Every click is a hit. Follow »pilot 4.0« to access the functions you need quickly.

## Four Versions: Choose the Style That Meets Your Needs

High-contrast work: Choose from Dark Mode, Light, Standard, and the classic »pilot 3.0« interface.

## An Exact Match: Uniform Icons Throughout the Entire ZOLLER Landscape

For anyone working on multiple ZOLLER measuring machines: The icons used in »pilot 4.0« are easy to recognize – keeping required training to an absolute minimum.



# In Dialog with Your CNC Machine

ZOLLER makes tool-specific data handling for your CNC machine very easy, as »zidCode« helps create digital bridges.

»zidCode« identifies tools and ensures error-free transfer of tool data to your CNC machine controller.

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

As easy as one, two, three: »zidCode« is the reliable, fast way to transmit your tool data to the machine! The software 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.

1.

### 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 the tool storage cabinet, fitted and inventoried in the »pilot« software without needing to first save the data via the »zidCode« module. Data is then available for the rest of the process sequence.

2.

### Tool Measurement and Presetting

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 are measured. Actual tool data is saved in the central z.One database.

3.

### 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 is 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 is then prepared for the controller and read into the machine control.

1.

2.

3.



# That's Right!

Up and running with ZOLLER.



QUALITY ASSURANCE



# »We Have Been Developing Software For as Long as There Have Been Computers.«

Christoph Zoller

ZOLLER recognized the benefits of smart, user-friendly software for the manufacturing industry right from the start.

Since 1977, different teams of specialists have been working on innovative operating technologies – always with a consistent focus on user needs and requirements. »pilot« and ZOLLER TMS Tool Management Solutions reflect decades of expertise.

That is why countless users trust ZOLLER software every day to guide them reliably through each step of production, from the start through to a results protocol.





# Software: The Heart of our Solutions

ZOLLER develops its software itself. Because software is the heart of the systematic principle with which ZOLLER makes machining production more efficient. The high precision, easy operation and versatility of ZOLLER machines are based, among other things, on our deep understanding of software. This know-how is the basis for the fact that tool data acquired, processed and networked with ZOLLER is highly compatible with many systems of modern manufacturing.

When it comes to the heart of our solutions, we want to be right at the pulse. So that it runs perfectly in your production.



Pleidelsheim

Ann Arbor

### Over 100 experts on two continents

ZOLLER in Pleidelsheim, Germany, and Ann Arbor, Michigan, USA, employ over 100 experts in the field of software and system hardware development. The team deals with various application areas, from basic development to customer-specific adaptations and extensions.

Such a large development capacity enables the continuous expansion of ZOLLER Solutions with new products, options and technologies. Thanks to these further developments, all ZOLLER customers benefit from even greater efficiency and increased productivity in machining production.



# At Home in Germany – around the World for You

ZOLLER quality is “made in Germany” –  
and there for you, anywhere in the world.

Our company has its own locations and  
branches at 85 sites in 62 countries guarantee-  
ing we are close to customers and can provide  
first-class, personal customer advising in local  
markets.

## GERMANY

### HEADQUARTERS

E. ZOLLER GmbH & Co. KG  
Presetting and measuring machines  
Gottlieb-Daimler-Straße 19  
D-74385 Pleidelsheim  
Tel: +49 7144 8970-0  
Fax: +49 7144 8970-70191  
post@zoller.info | www.zoller.info

### ZOLLER NORTH

E. ZOLLER GmbH & Co. KG  
Service and Sales Center  
D-30179 Hannover

### ZOLLER EAST

E. ZOLLER GmbH & Co. KG  
Service and Sales Center  
D-04158 Leipzig

### ZOLLER WEST

E. ZOLLER GmbH & Co. KG  
Service and Sales Center  
D-40764 Langenfeld

## AMERICA

### USA

ZOLLER Inc.  
North American Headquarters  
USA-48108 Ann Arbor, MI  
sales@zoller-usa.com | www.zoller-usa.com

ZOLLER Inc. Pacific  
USA-90503 Torrance, CA  
sales@zoller-usa.com | www.zoller-usa.com

### CANADA

ZOLLER Canada Inc.  
CAN-L5N 8G4 Mississauga, ON  
sales@zoller-canada.com | www.zoller-canada.com

### MEXICO

ZOLLER Tecnologías S de R.L. de C.V.  
MEX-C.P. 76030 San Angel Querétaro  
Estado de México  
sales@zoller-mexico.com | www.zoller-mexico.com

### BRASIL

ZOLLER do Brasil  
BRA-CEP 13284-198 Nova Vinhedo,  
Vinhedo – São Paulo  
comercial@zoller-br.com | www.zoller-br.com

## EUROPE

### AUSTRIA

ZOLLER Austria GmbH  
A-4910 Ried im Innkreis  
office@zoller-a.at | www.zoller-a.at

### SWITZERLAND

ZOLLER Schweiz GmbH  
CH-9016 St. Gallen  
info@zoller-ch.com | www.zoller-ch.com

### FRANCE

ZOLLER France  
F-67380 Lingolsheim  
info@zoller.fr | www.zoller.fr

### SPAIN + PORTUGAL

ZOLLER Ibérica S.L.  
E-08006 Barcelona  
correo@zoller.info | www.zoller.info

### TURKEY

Zoller Ölçüm Teknolojileri San.ve Tic. Ltd. Sti.  
TR-16120 Nilüfer / Bursa  
info@zoller-tr.com | www.zoller-tr.com

### RUSSIA

LLC ZOLLER Russia  
RU-111123 Moscow, Russia  
info@zoller-ru.com | www.zoller-ru.com

### ISRAEL

ZOLLER Israel GmbH  
Ramat Yishay 3009500  
info@zoller-il.com | www.zoller.info

### POLAND

ZOLLER Polska Sp. z o.o.  
60-104 Poznan  
biuro@zoller-a.at | www.zoller.net.pl

### SLOVAKIA + CZECH REPUBLIC

ZOLLER CZECH s.r.o.  
602 02 Brno  
suchna@zoller.cz | www.zoller.cz

## ASIA

### INDIA

ZOLLER India Private Ltd.  
IN-Pune 411019 Maharashtra, India  
info@zoller-in.com | www.zoller-in.com

### CHINA

ZOLLER Shanghai, Ltd.  
Asia Pacific Regional Headquarter  
RC-201108 Shanghai  
info@zoller-cn.com | www.zoller-cn.com

ZOLLER Asia Pacific, Ltd.  
RC-Kowloon, Hongkong  
info@zoller-cn.com | www.zoller-cn.com

### JAPAN

ZOLLER Japan K. K.  
JP-564-0037 Osaka, Japan  
info@zoller-jp.com | www.zoller-jp.com

### THAILAND

ZOLLER (Thailand) Co. Ltd.  
Amphur Muang Chonburi, TH-20000 Thailand  
info@zoller-in.com | www.zoller-th.com

### INDONESIA

ZOLLER Singapore Pte. Ltd  
Indonesia Representative Office  
Tambun - 17510, Bekasi, Jawa Barat  
info@zoller-in.com | www.zoller-in.com

### SINGAPORE

ZOLLER Singapore Pte. Ltd  
SG - 199589 Singapore  
info@zoller-in.com | www.zoller.info

### MALAYSIA

ZOLLER MALAYSIA SDN. BHD.  
Malaysia Representative Office  
MY-Petaling Jaya | Selangor Darul Ehsan,  
Malaysia  
lau@zoller-my.com | www.zoller-in.com

### VIETNAM

ZOLLER Vietnam  
VNM-Ho Chi Minh City, Vietnam  
info@zoller-in.com | www.zoller-in.com

### KOREA

ZOLLER Korea Co., Ltd.  
KOR-15119 - Siheung-Si, Gyeonggi-Do,  
South Korea  
info@zoller-kr.com | www.zoller-kr.com

## REPRESENTATIVES

Argentina, Australia, Belarus, Belgium, Bolivia, Chile,  
Colombia, Costa Rica, Croatia, Denmark, Estonia,  
Finland, Great Britain, Hungary, Iran, Ireland, Italy, Latvia,  
Lithuania, Luxembourg, Netherlands, New Zealand,  
Norway, Pakistan, Peru, Romania, Saudi Arabia,  
South Africa, South Tyrol, Sweden, Taiwan, United Arab  
Emirates, Venezuela

- Parent company
- Headquarters
- Branch office
- Representative



ZOLLER

# Solutions

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

---

Presetting & Measuring

---

Tool Management

---

Inspection & Measuring

---

Automation

Everything from a Single Supplier.  
Everything for Your Success.  
Everything with ZOLLER Solutions.

**ZOLLER**  
expect great measures

Headquarters in Pleidelsheim

E. ZOLLER GmbH & Co. KG

Tool presetter and measuring machines

Gottlieb-Daimler-Straße 19 | D-74385 Pleidelsheim

Phone: +49 7144 8970-0 | Fax: +49 7144 8970-701917

post@zoller.info | www.zoller.info