75 YEARS

Powell TOOL SUPPLY

Certified WBENC Women's Business Enterprise Established 1948

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.

We reserve the right to make technical changes. The depicted machines may include options, accessories, and control variants. BRSMACA.02-EN 10/2021. Concept & Design: www.absicht.ag

Scan the barcode above and request a Free TEAMS assessment of your needs and possible solutions from Powell Tool & ZOLLER.

ZOLLER
expect great measures

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ZOLLER Solutions
for your Manufacturing Process

Wherever you decide to start on your journey to start and create the z.One database, Powell & Zoller can assist.

The TMS Tool Management Solutions software is perfectly integrated into the overall process and offers everything for efficient tool management. This software solution can be networked with CAM, ERP and other systems.

z.One is the central tool database. All steps of the manufacturing process access this database, as well as ERP and other software systems. Multiple data maintenance is not necessary.

Powell TOOL SUPPLY

Powell Managed Inventory

1 CAD Construction

Already during the design phase the designer can access tool data from the **ZOLLER database**. The manufacturing of component parts can be produced on the basis of standard tools, which speeds up manufacturing and makes it more cost-effective.

2 CAM Production Planning

The manufacturing processes are simulated in the CAM system using tool data from the cloud. The tool data from the CAM system is transferred directly to **TMS Tool Management Solutions** in the form of a setup sheet.

3 Warehousing

With the help of **ZOLLER Smart Cabinets and the ZOLLER TMS Tool Management Solutions**, tools, components, accessories and complete tools are entered digitally and can be located. With the help of the ordering system software module, stocks can be monitored and parts automatically reordered.

4 Tool Preparation

Supported by assembly graphics including dimensions, each step in tool preparation can be represented in exact detail. Together with the tools stored at hand in the **Smart Cabinets**, tool preparation is child's play.

5 Shrinking

With **ZOLLER »powerShrink«** you benefit from an induction system that is perfectly aligned to your heat shrink tool holder, the technologically-perfected cooling systems and the ergonomic and simple operator guidance with the aid of the innovative LED-controlled **ZOLLER »actbyLight«** operating concept.

6 Balancing

To use your machines in the most efficient way possible and with the best performance, you need finely balanced tools. With the **»toolBalancer«** balancing system developed and produced by ZOLLER, you balance your tools with unbeatable precision and you will use a long-lasting, extremely ergonomic, and sustainable product.

7 Presetting and Measuring

The prepared complete tools are identified on the **presetting and measuring machine**. After the measurement, the actual data is processed in controller format and transferred to the machine either by network or **ZOLLER »zidCode«**.

8 Manufacturing

All tool data of the tool holder with integrated **ZOLLER »idChip« technology** are transmitted to the machine by **»zidCode 4.0«**. The scanning process at the control unit **»zidCode 4.0«** ensures fast, simple and error-free data transfer.

9 100 % Quality Delivered

Exactly set tools immediately lead to correct components and thus to **good parts**. This reduces delivery times and makes them exactly predictable.

Scan the QR code and experience the ZOLLER Smart Factory Solutions in the video!

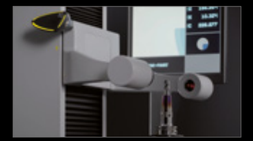
In our webshop you can get the **digital twin** for the tool-holding fixture, which can be used immediately in your CAM and tool management system.

With the help of the **module Storage Location Management** every storage location of tools and accessories is entered and known – both in the Smart Cabinets and in storage systems.

The assembly of the tools at the workbench is supported by assistance systems such as the assembly assistant or stored help.

The **»pilot« software scan function** enables the reliable selection of the appropriate shrink parameter by scanning the holder number.

The **balancing adapter with center offset** is designed with a two-point contact and a pressure element. These features enable a large and more measurable sensor signal.



By scanning the ZOLLER **»idChip«** on the presetting and measuring machine, the tool data is called up directly and the measurement sequence can start.

With ZOLLER **»zidCode 4.0«** you transfer all digital tool data to the CNC control - without any typing or transmission errors.

Plannable tool use and exact measurement of tools reduce costs, increase **productivity** and produce more **good parts.**

ZOLLER
expect great measures

Intelligent Storage and Management Solutions for Tools, Components and Accessories

Smart Cabinets

75 YEARS

Powell TOOL SUPPLY

Certified WBENC Women's Business Enterprise Established 1948

POWELL ZOLLER TMS MANAGED INVENTORY

Powell recognizes that each customer is unique and has its own special needs and rises to accommodate these ever-changing requirements with "tailor-made" solutions. By starting with a z.One database, you can pick any entry point and build on as you grow or have the need to fully take advantage of all benefits offered by ZOLLER & Powell.