

# MachiningCloud & Zoller TMS Offer Simplified, Cost-Efficient Tooling Database Setup



Concise tooling data, aligned with a centralized tool management solution, makes setup effortless and streamlines CAM workflows

Embracing Industry 4.0 entails the quest for a single, centralized hub that connects all stations in the manufacturing process – including the tooling data that helps drive it. Setting up tooling databases requires significant time and resources. With **MachiningCloud** and **Zoller Tool Management Solutions (TMS)** working together, accurate, up-to-date tooling data is sent to a single database that's easy to build, maintain, organize and access. Standardized tooling data, coupled with intelligent tooling availability, streamlines shop productivity and accelerates return on investment for both new and existing manufacturers.

## Painless Tooling Database Creation that Lowers Costs

Manufacturers are forced to embrace the future, working to stay organized during the digitization of tooling data. Keeping it standardized and accessible is no easy task and neither is the coordination, setup and integration of a tooling database into a legacy manufacturing process.

It's a technological culture shift, requiring big changes to tooling discipline. In some cases, companies aren't even tracking tooling inventory, let alone whether the associated data is even precise, organized or adaptable for their needs. When sourced from disparate or inaccurate sources such as websites, catalogs and other materials, the lack of a comprehensive, standardized cutting data format among tooling manufacturers will ultimately compound CAM programming and stall the manufacturing cycle.

This transition may be a massive undertaking, but it's also positioning companies for a big savings payoff down the road by simplifying database setup, maintaining accurate cutting tool data and unifying manufacturing processes. Zoller TMS and MachiningCloud have partnered to lead this effort, helping companies, both large and small, quickly integrate a tool management database that can streamline their operations with little impact on their resources.

## What is Zoller Tool Management System (TMS)?

Tool management is now an essential part of the digital manufacturing revolution. Currently, it's an open frontier in terms of how manufacturers approach cost-efficient tool, warehouse and organizational efficiency. With Zoller TMS, a single, easy to implement tooling database connects and integrates to virtually every manufacturing station. The entire lifecycle of each tool is monitored and managed through Zoller TMS, accessed by staff in real-time. It keeps tooling data interoperable along the shop floor, synchronously connecting with existing CAD/CAM, tool presetting and measuring, maintenance, analysis and warehousing systems. Designed for full transparency of tooling data, Zoller TMS works to reduce setup times, save on stockroom costs, increase quality and exploit tooling potential.

## What is MachiningCloud?

MachiningCloud enables CAM programmers to quickly search for accurate, up-to-date tooling data from a growing list of

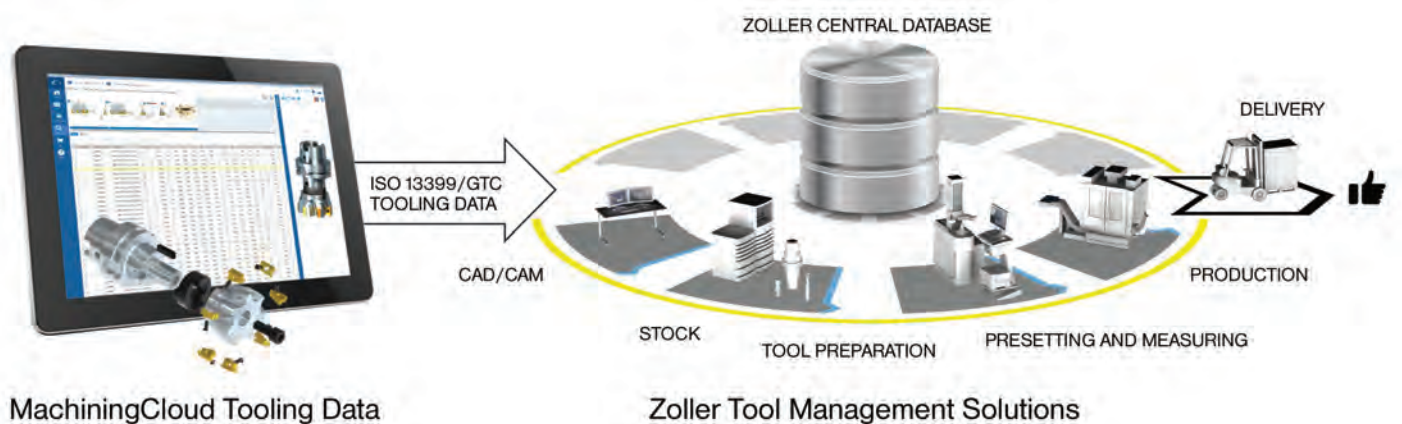


tooling manufacturers. The cloud-based app supports ISO 13399/GTC standards for vendor neutral classification of cutting tools and data structures. In addition to converting tooling data on behalf of manufacturers, MachiningCloud utilizes an ISOPlus strategy that includes usage information such as depth of cut and feeds and speeds. Tooling manufacturers are able to provide consistent, up-to-date cutting, workholding and machine tool data through the app for easy import into CAD/CAM, simulation and tool management applications that support these standards. Standardized tooling data formats improve CAM workflows and prevent inaccuracies along the manufacturing cycle. Programmers can quickly source and build multi-brand 3D assemblies for import into CAM, dramatically eliminating the costly research time and due diligence required before programming begins.

## MachiningCloud and Zoller TMS Increase Productivity and Save Money

- Quickly research and select tooling by specification, build 3D assemblies and facilitate universal, ISO-standardized tooling data directly from MachiningCloud
- Import individual components or complete tools, along with all related 3D geometry and characteristics, into the Zoller TMS central database seamlessly, error-free and while replacing DIN 4000 with ISO 13399 standards
- Acquire and combine new and old tooling data together, help find missing data and handle multi-brand, 3D assemblies on-the-fly
- Boost data accuracy and efficiency for CAM programming, simulation and analysis applications
- Scalable, open access to a wide range of industrial stations via Zoller TMS, supported by universally compatible tooling data imported from MachiningCloud

## ZOLLER PROCESS CHAIN AND MACHININGCLOUD DATA



## Mobile Access to Tooling Data

The Zoller TMS app allows you to search 2D and 3D models within your inventory, capture tool life and access presetter and measuring equipment from virtually anywhere. With the MachiningCloud app, users can search, save and send tooling assemblies for import into the Zoller central database.



## Achieve peace of mind with Zoller TMS and MachiningCloud

Implementing a tool management system always pays off in the long run for manufacturers hoping to improve their workflow and reduce overhead. Tooling data uniformity, especially when operating across a wide range of new and existing manufacturing stations, is vital for controlling costs. Existing manufacturers with Zoller TMS can take advantage of precise, standardized tooling data from MachiningCloud and eliminate potential programming errors. For new manufacturers, Zoller TMS and MachiningCloud offer an easy and cost-effective onboarding process for building a centralized tooling database regardless of size or complexity.

## Fast tooling database setup for manufacturing efficiency

Companies are embracing Industry 4.0 solutions in order to make more with the same, if not less, available to them. Unified tool management, along with accurate tooling data, offers a proactive and efficient approach to handling setup, stock and maintenance on the shop floor. The MachiningCloud-Zoller TMS solution easily integrates into existing operations, providing a cost effective, organized tooling infrastructure so that CAM programmers, machinists and engineers can stay ahead in an increasingly digital age.

## About MachiningCloud

MachiningCloud is an independent provider of CAM tooling data from the world's leading suppliers. We deliver what users are clamoring for – instant access to the most current tooling data, delivered right to their desktop. We've integrated a high power toolset that gives users the ability to put tooling data to work right on the spot – elevating their workflow to a new level of efficiency and precision for CAM programming.

The MachiningCloud community is growing exponentially each month as new partners come online. We continually encourage leading brands worldwide to publish their product data on MachiningCloud. If you don't see your favorite cutting tool brand in our library yet, we encourage you to contact your tool supplier to join MachiningCloud.

For more information about MachiningCloud, Smart Manufacturing and Industry 4.0 solutions, please visit [www.machiningcloud.com](http://www.machiningcloud.com).

