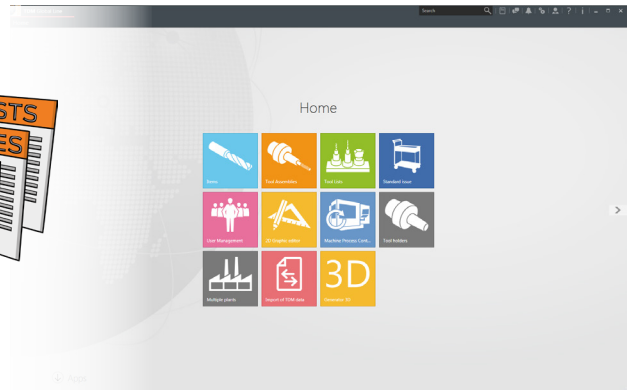


Tool Data Management with TDM

fast – easy – successful

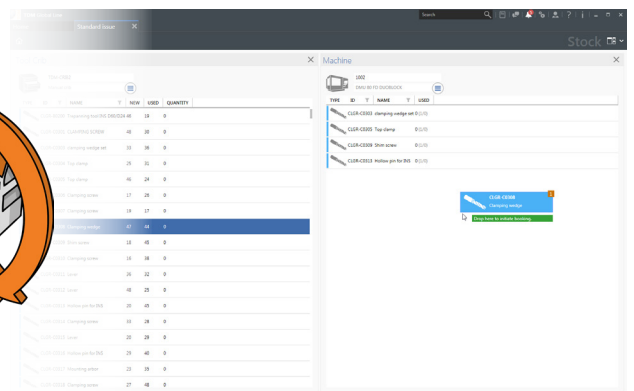
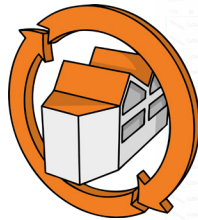
Software for Production Resource Management

You can record and manage your production resources systematically and completely with TDM software modules. This transparency enables tools to be found quickly, assembled correctly and prepared for the machines on time. It increases quality by calibrating the Inspection Equipment and displays the availability of all production resources required for an order. Each TDM function is a component of functioning Tool Lifecycle Management.



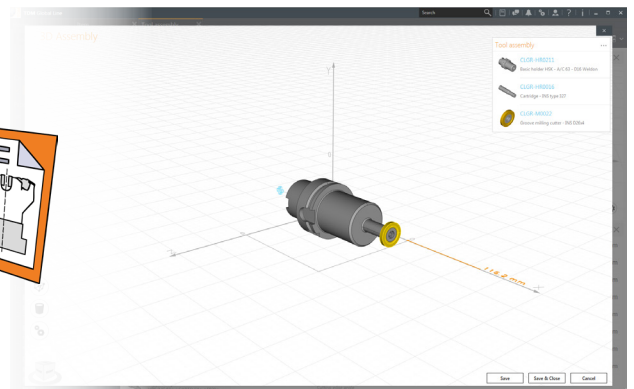
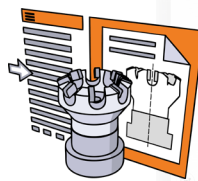
Software for Shopfloor Management

TDM software enables tool assemblies to be scheduled in advance and prepared for each order. It calculates tool usage and creates lists of those tools that have to be prepared – while still taking account of the tool inventory at the machine. The data that flows back is also valuable, as it constantly optimises the quality of the database.



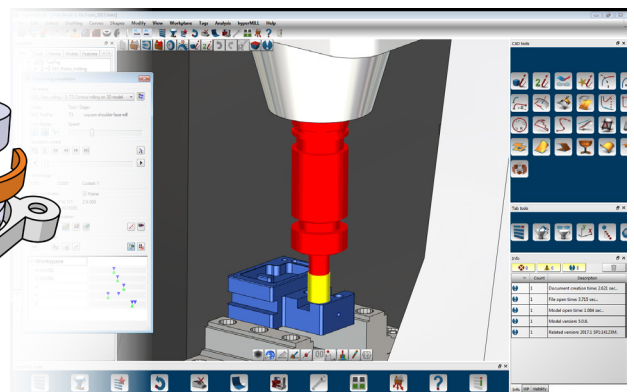
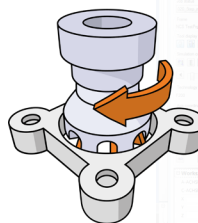
Software for Data and Graphic Generation

A good database is required for Tool Lifecycle Management to function. TDM offers ideal tools for populating a system with data or generating new data and graphics. Manufacturer tools can be created using 2D and 3D graphics.



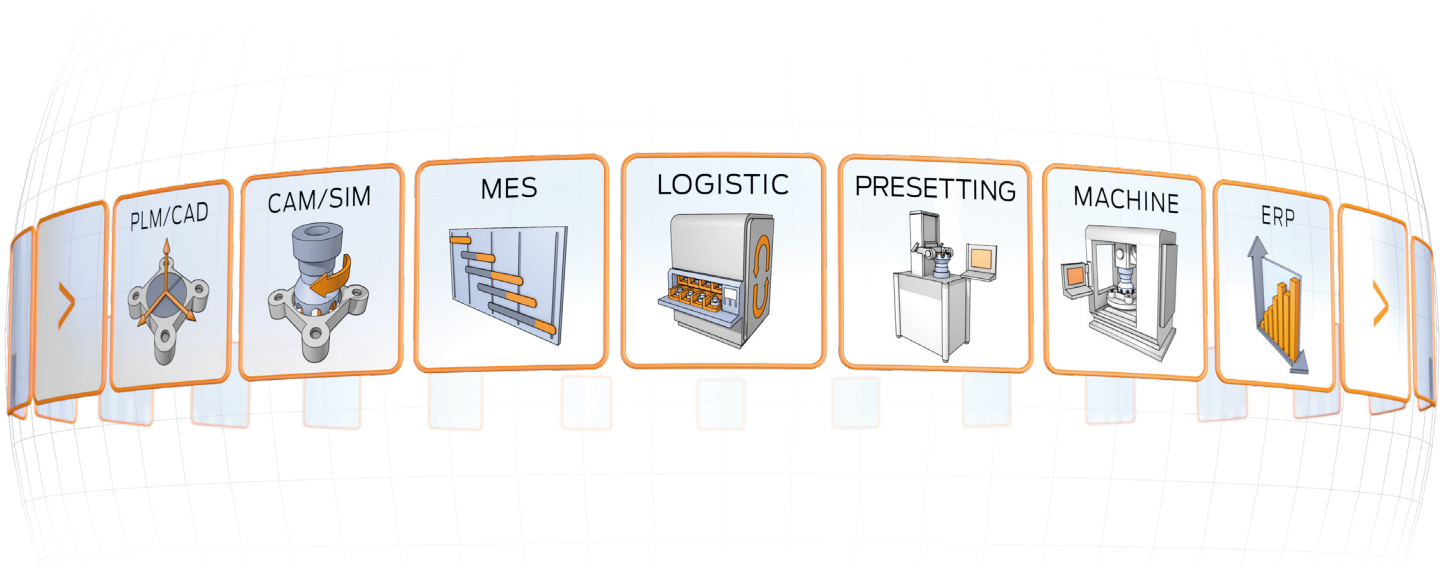
Interfaces

Integrated Tool Lifecycle Management makes tool data and graphics available in the planning and production systems of a machining company. TDM integrates these systems, allows data to flow and enables optimum processes. Tool data can have a great impact – if it reaches the right systems at the right time.



Tool Lifecycle Management

The solution for the entire tool lifecycle



PLM/CAD

The first step in the Tool Lifecycle is production-ready design. Which tools are best suited to which processing steps? Which combinations are efficient? TDM supports design engineers with fundamental information on tools and their possible uses.

CAM/SIM

TDM helps with selecting tools for each NC operation, keeps geometry and cutting data available for each tool assembly, provides 3D tool graphics for NC and simulation analyses and saves the tool lists of the NC programs for further preparation at production level.

MES

The production resources and tools must be available at the machine at the right time. Communication between TDM and MES with the organized tools logistics makes this possible. TDM keeps the tool lists for each NC program available so that tools can be prepared in line with the requirements of each individual order.

LOGISTICS

Cutting tools are capital-intensive production resources. TDM keeps the distributed and crib inventories low, places orders at the ideal time and minimizes tool variety.

PRESETTING

Precision begins with tools: TDM integrates leading pre-setting systems. During the measuring process, these systems access the target parameters saved in TDM for each tool assembly and return the actual values that have been measured to TDM.

MACHINE

With TDM, the tools and NC programs reach the right machine at the same time, together with up-to-date information about the current situation of the preset tools. Data is transferred with TDM, e.g. via DNC or with tool chips.

ERP

With an ERP connection, TDM takes relevant tool information directly from the commercial order management system and supports the tool provision and procurement processes in addition to master data synchronisation.