# Integration TDM - TopSolid‘CAM V6
# CAM-Interface

TDM supports TopSolid‘CAM V6 users with CAM- and CAD-interface modules for the online transfer of tool data and graphics.

## The Basis: CAM-Interface

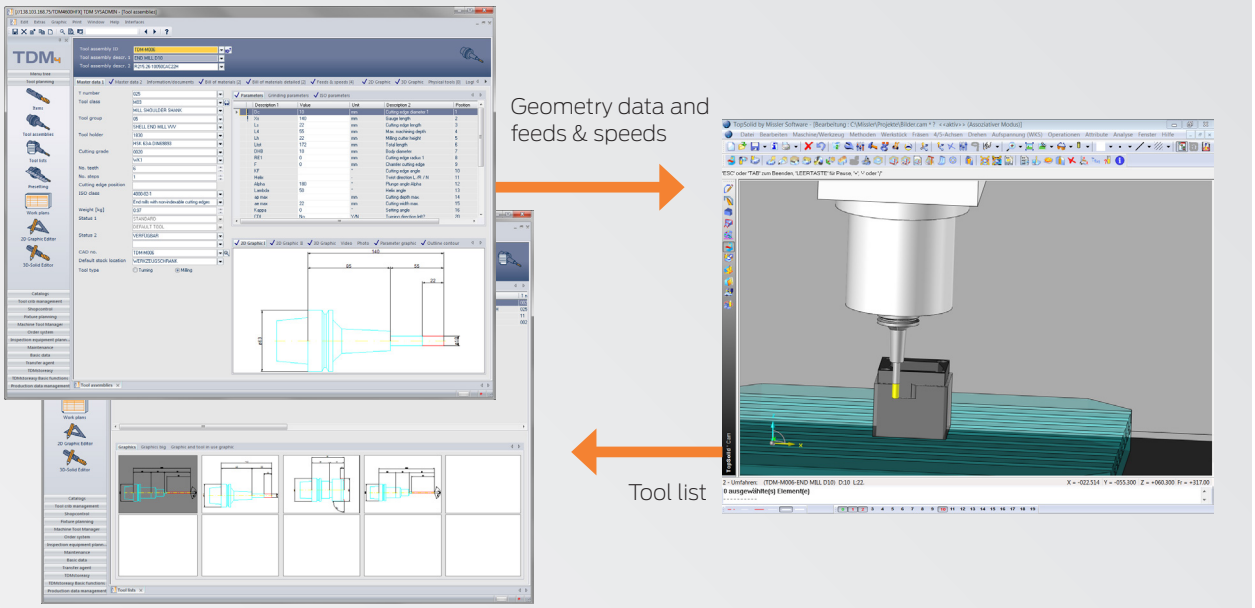
The TDM - TopSolid‘CAM V6 interface supports your continuous CAM process via access to the tool data in your central tool database. The software provides company-specific tool know-how in the phases of the CAM planning process.

### Functions of the TDM - TopSolid‘CAM V6 CAM-Interface

- Support of NC programmers with direct access to the TDM database
- Simple and fast selection of milling, drilling and turning tools in TDM via TopSolid‘CAM V6 Search Tool Panel or via tool search in TDM
- Access to geometry data, collision data and machining know-how (cutting data)
- Use of multi-step tools
- Integrated, expandable mapping of the tool types and characteristics between TDM and TopSolid‘CAM V6
- After programming, complete tool lists are transferred from TopSolid‘CAM V6 to TDM and are immediately available for the production

### Advantages of the TDM - TopSolid‘CAM V6 CAM-Interface

- Easy access to tool data from the TopSolid‘CAM V6 environment
- Preview of true-to-scale tool graphics
- Non-redundant tool data
- Significant increase in process reliability and productivity
- Geometry-dependent tool selection of real tool assemblies
- Selection of feeds & speeds depending on machine, cutting material and work piece material




Detail functions vary depending on the particular software version

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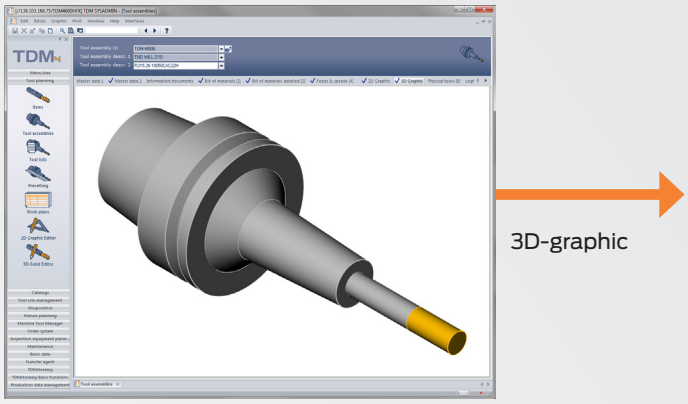
# Integration TDM - TopSolid‘CAM V6
# CAD-Features

## The Extension: CAD-Features

The TDM 3D-Solid Converter forTopSolid‘CAM V6 gives TopSolid‘CAM V6 users a new dimension in the use of complex 3D-tools in programming and simulation. Building on the CAM-interface, the integrated software tools for automatic conversion and for manual editing of 3D-tool graphics offer substantial time savings and quality improvements in daily operation.

### TDM 3D-Solid Converter Software Package

- The TDM 3D-Solid Converter enables the conversion of 3D-solids according to TDM standard into the TopSolid‘CAM V6 native format. For stationary and rotating tool assemblies (turning, drilling, milling), a specific Step file for TopSolid‘CAM V6 with associated 2D-contour is generated within TDM. A program function of TDM that is integrated into TopSolid‘CAM V6 uses the file to generate the TopSolid‘CAM V6 native format "TOP", or alternatively the standard formats SAT and STEP. Result: immediately usable 3D models for simulation.
- With the functions of the TDM 2D-Graphics Editor and the TDM 3D-Solid Editor (included in the software package), 2D-graphics and 3D solids can easily be adapted and corrected directly in TDM. Corrections of layers, drawings, dimensions, axial orientations and zero points make it possible to quickly prepare existing drawings and models in a targeted manner in accordance with the TDM standard for subsequent use by the TDM 3D-Solid Converter and in TopSolid‘CAM V6.

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