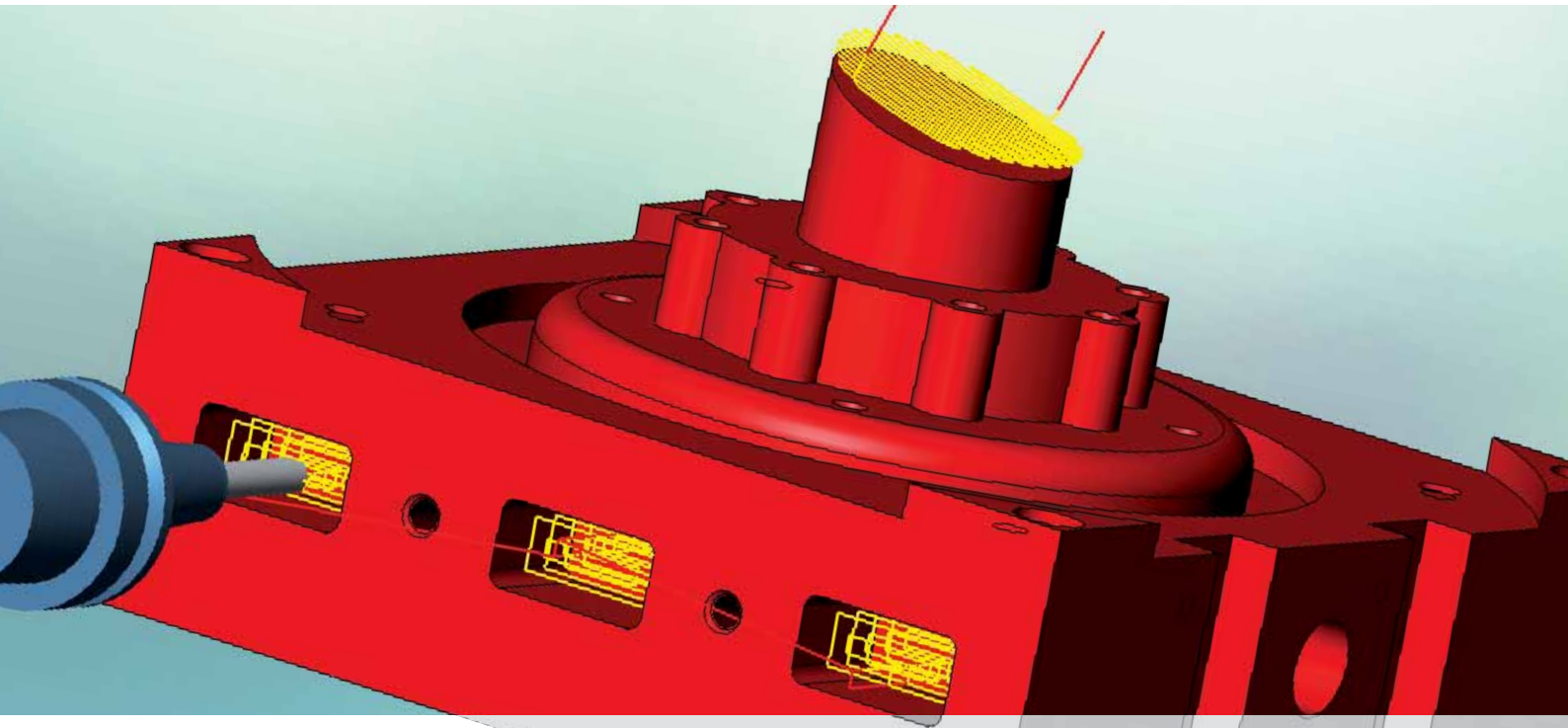


hyperMILL®

for SolidWorks®



Pioneering CAM strategies – fully integrated



CAD INTEGRATION

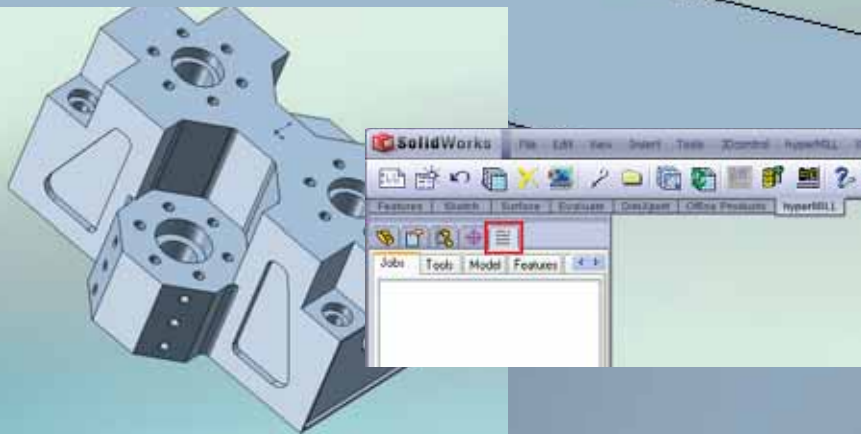


OPEN MIND • THE CAM COMPANY



Efficient machining with integrated processes

Thanks to the new *hyperMILL*® integration, **SolidWorks**® users can take advantage of arguably the most up-to-date CAM programming system within their familiar software environment. The solution's familiar look and feel ensures fast learning and user-friendly programming. In this intelligent environment, efficient and reliable production is guaranteed through tightly integrated processes.



SolidWorks® interface:

Thanks to full-scale integration into **SolidWorks**®, all mill/turn, 2D, 3D, HSC and 5-axis machining strategies are available within the familiar CAD system. The user is never required to exit the main programming interface – which makes for a faster learning curve as well as streamlining daily routines.

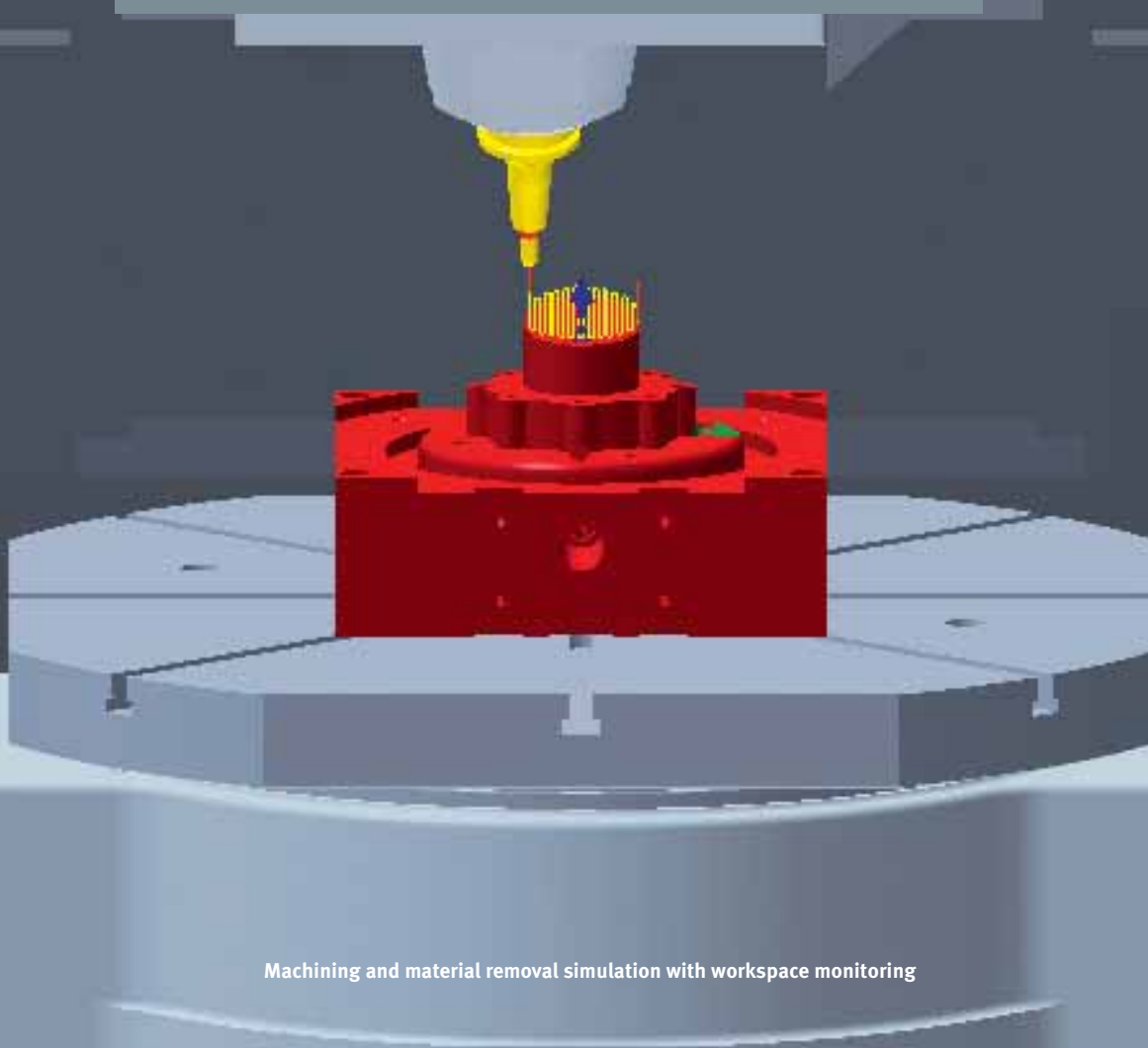
Simple start-up: in

SolidWorks®, *hyperMILL*® is launched directly via the *hyperMILL*® button. Users can freely switch between the CAD and the CAM systems at any stage.



hyperMILL[®] – the comprehensive CAM solution

From 2D, 3D, HSC and 5-axis milling to mill-turn plus special applications – the *hyperMILL*[®] CAM solution provides a versatile range of CAM strategies for maximum production flexibility. Feature technology, a technology database and integrated automatic functions such as collision avoidance ensure highly efficient, fast programming. Thanks to a multitude of add-on functions, machining operations can easily be adapted to individual requirements, and production can be optimised both in terms of toolpath distances and machine running times. *hyperMILL*[®]'s advanced CAM concept is further complemented by machining and material removal simulations with workspace monitoring, as well as OPEN MIND's postprocessor technology. All of these advantages are now available directly within **SolidWorks**[®].

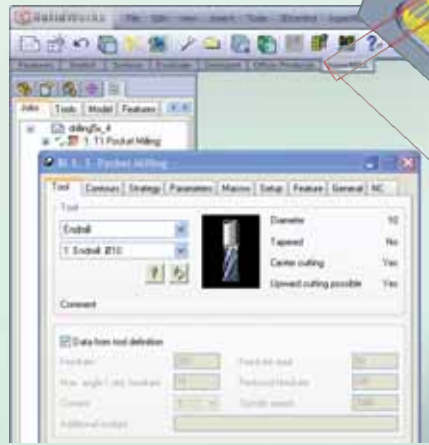


Machining and material removal simulation with workspace monitoring

Single database: The tightly integrated software solution facilitates continuous processes thanks to a unified database. The CAD and CAM systems both refer to the same data models. This eliminates data import issues as well as read/write errors.

Assemblies: *hyperMILL*® for *SolidWorks*® supports working with assemblies. Clamps and holders are included in collision checking, and the *hyperMILL*® data is saved together with the relevant machining groups.

PDM support: The group mode also facilitates working with PDM systems. Any changes made to a machining group as part of CAM programming are applied exclusively to the CAM data. The CAD data of the individual parts is not updated.

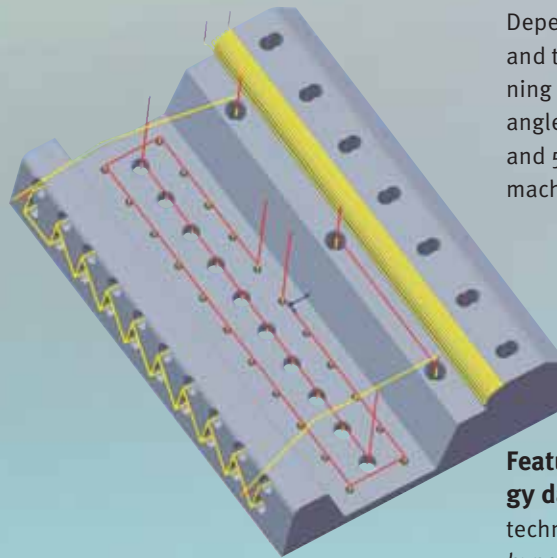


User-friendly CAM programming:

hyperMILL® offers a wide range of machining strategies. The Windows-based software environment with graphical user interfaces ensures easy operation.

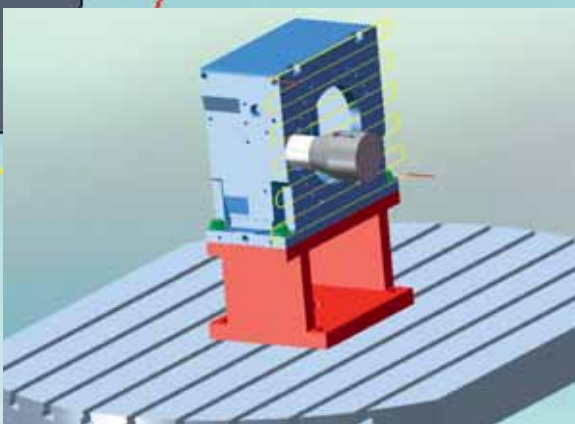
All-round reliability:

hyperMILL® includes the world's leading 5-axis technology. Thanks to fully automated collision avoidance, programming 5-axis parts is no more difficult than programming 3D jobs. Depending on the workpiece and the machine, machining may include fixed tool angles, automatic indexing and 5-axis simultaneous machining.



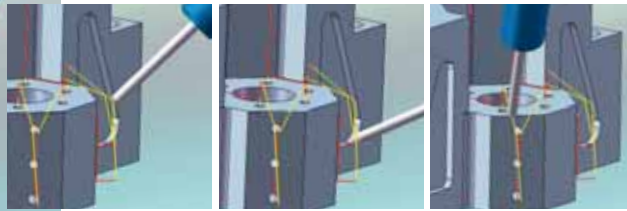
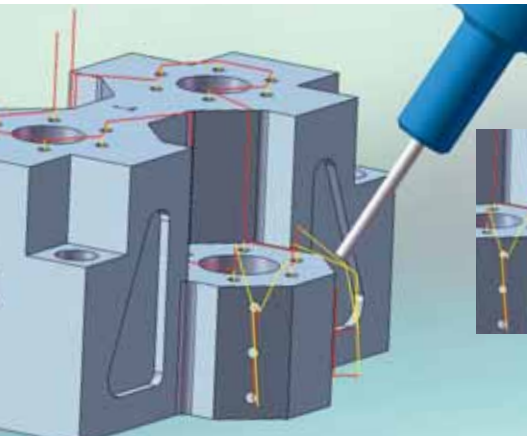
Features and technology database:

The feature technology provided by *hyperMILL*® enables the use of geometry data from the CAD system within the CAM program. For example, automatic feature recognition can be used to detect drill holes and pockets on solids and surface models. Machining strategies and tools can be linked together with features to create technology macros. These macros are stored in a dedicated technology database.

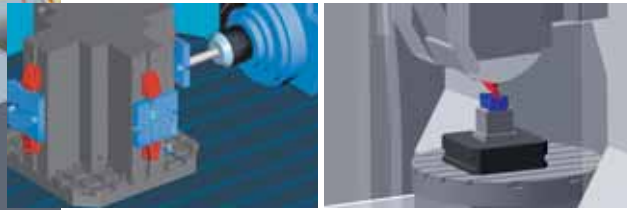
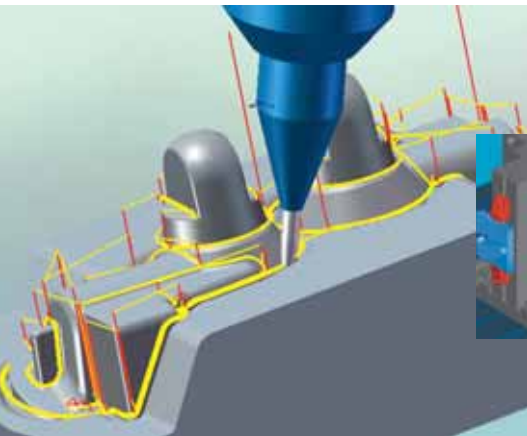


Innovative CAM strategies for greater programming flexibility

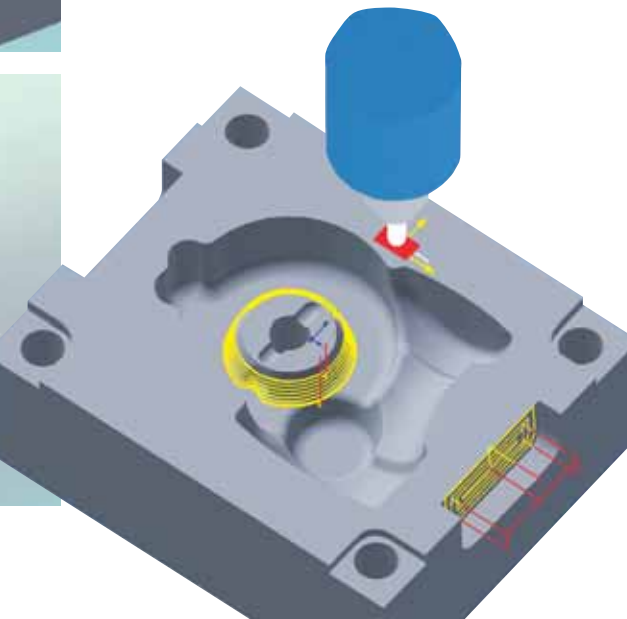
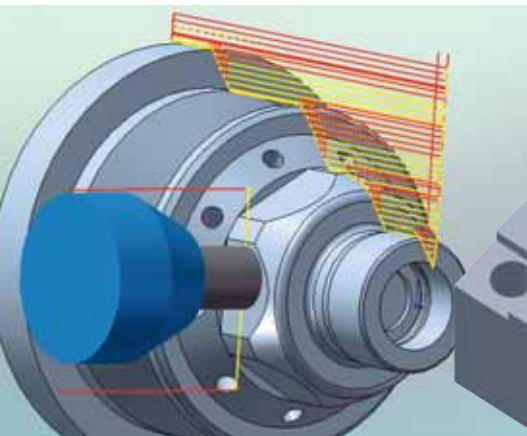
Thanks to the wide range of strategies provided, even highly specialised parts can be machined quickly and efficiently. Functions such as tool path optimisation significantly reduce machine running times.



5-axis drilling: *hyperMILL*[®] recognises geometry and contours, including their position. Tool angles and positions are generated automatically. A multi-axis drilling operation is automatically calculated as a 5-axis operation with different tilt angles.



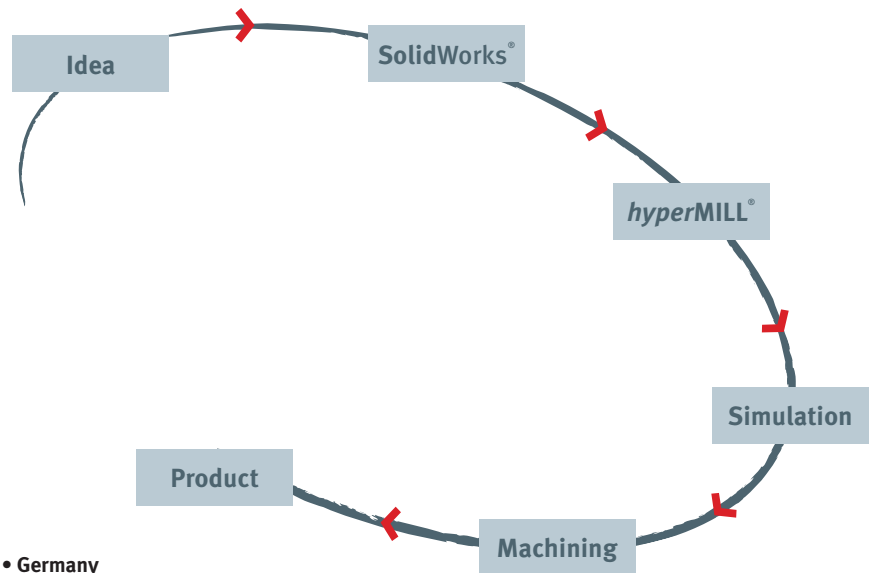
5-axis milling: Thanks to automatic collision avoidance, 5-axis programs can be programmed quickly, easily and reliably. Machining and material removal simulations ensure utmost process reliability.



Complete machining: *hyperMILL*[®] mill/turn module and 2D, 3D, HSC and 5-axis machining strategies facilitate complete machining with a single set-up. This shortens set-up times and increases machining precision.

Process chains and cost-effectiveness

Optimised processes improve workflows. *hyperMILL*® for *SolidWorks*® represents a continuous process with seamless job steps – including a postprocessor tailored to specific machines, controllers and workflows.



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