

High-Precision Machining with *hyper*MILL®



# Maximum Precision – Integrated as Standard

High-precision machining offers a high level of milling precision, ultra-smooth surfaces, and perfect milling results. This means there is often no need for any post-machining processes such as polishing or grinding. This reduces throughput times and increases productivity. Various functions for high-precision milling are already integrated in *hyper*MILL® as standard.





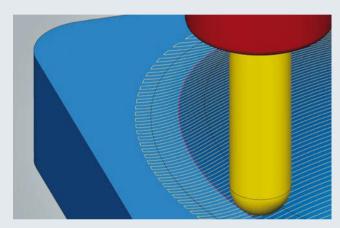
# Automatic face extension ensures complete control

- No auxiliary geometry required
- Precise component edges
- Automatic protection of adjacent surfaces
- Fast and convenient programming



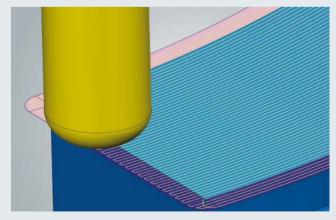
## ■ High precision surface mode

The 'High precision surface mode' option ensures ultrasmooth surfaces with tolerances in the micrometer range, along with short calculation times. Toolpaths are calculated using actual CAD model data. This significantly increases the accuracy.



#### ■ Smooth overlap

The 'Smooth overlap' function improves the surface quality in transition areas. The areas are smoothed automatically and precisely, and the transition areas are barely visible and measurable.



### ■ Automatic face extension

During programming, the 'Automatic face extension' function can be used to extend the perimeter of selected milling surfaces. This CAD for CAM function eliminates the need to modify the milling surfaces in the CAD system beforehand. This means that perfect milling results can be achieved on the edges of components.

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