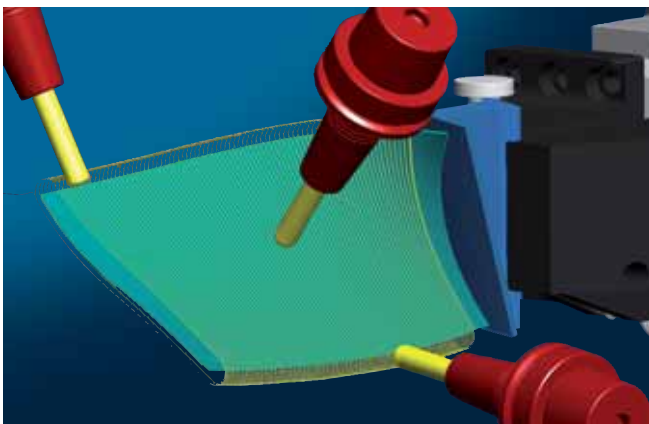
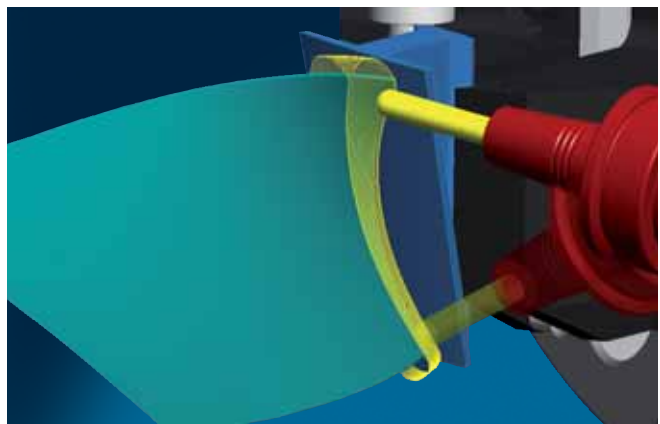


Single Blade: Milled on a WILLEMIN-MACODEL W-518 TB

The single blade package from *hyperMILL*® offers specially optimised machining strategies. These strategies are not only easy to program; they also take the specific technological requirements of blades into account. Furthermore, this integration into *hyperMILL*® means that 2D, 3D and 5axis strategies are also available. Users thus enjoy a high degree of flexibility when choosing the optimal machining strategy and tools.



5axis blade top milling: Blade surfaces are finished in a continuous spiral toolpaths. The automatic lead angle correction ensures that endmills and bullnose endmills always cut with the front.



Machining transition radii: Regardless of the data quality, the entire blade can be machined very efficiently using ball mills.



Machine: WILLEMIN-MACODEL W-518 TB

Main drive (spindle)	RPM range	20.000 min ⁻¹
Workspace	Rapid movement/feedrate Traverse path X/Y/Z	45 m/min 630/320/500 mm
NC swivelling rotary table	Clamping surface Tilt Range (B) Turning / Rotary Axis Range (A) Max. workpiece weight	Ø 360 mm -45°/+90° unlimited 120 kg
Tool	Tool magazine Tool adapter	24 spaces HSK-A63
Automation	Controller	Fanuc 31i-A5
Workpiece	Dimensions Material	100 x 120 x 300 mm casted steel



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