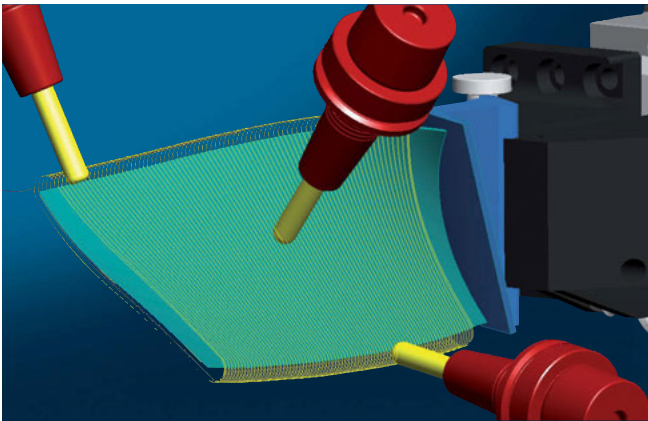
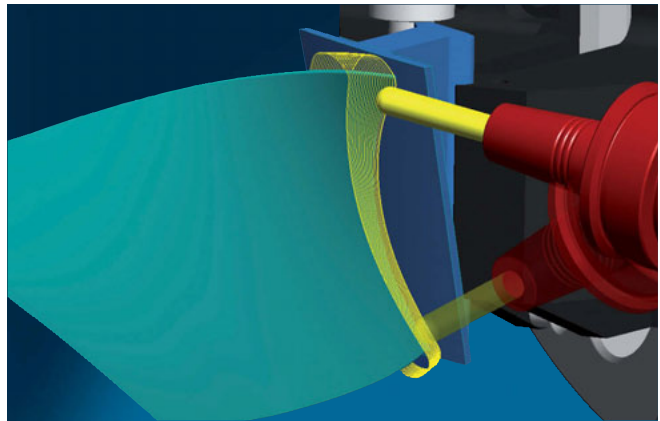


## Single Blade: Milled on a WILLEMIN-MACODEL W-518 TB

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 2.5D, 3D and 5-axis strategies are also available. Users thus enjoy a high degree of flexibility when choosing the optimal machining strategy and tools.



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



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