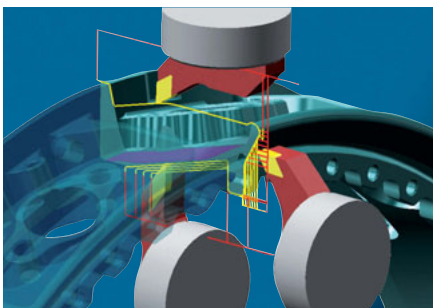
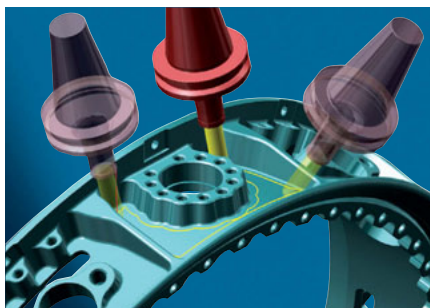


Turbine ring: Milled on a MAXIA CUBLEX-63

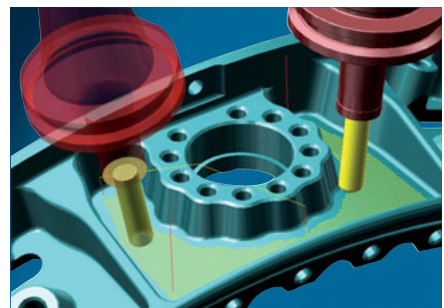
hyperMILL® offers a broad spectrum of machining strategies in a single interface, from mill turning to 2.5D, 3D and 5-axis simultaneous milling. Turning and milling strategies can be combined as needed. The advanced feature and macro technology allows identical and similar geometries to be programmed in an automated, and therefore time-saving, manner.



millTURN: Slope-dependent turn finishing enables targeted machining of flat and steep areas. This guarantees optimal cutting conditions.



5-axis swarf cutting: Machining with the tool flank allows for milling with larger infeeds. The tool flank is guided along a reference curve.



5-axis ISO top milling: This allows larger, slightly curved surfaces to be machined very effectively. The automatic adjustment of the tool tilt angle ensures excellent surface quality.

Machine: MAXIA CUBLEX-63

Main drive	Maximum spindle speed	Up to 12.000 min ⁻¹
Rapid traverse	X/Y/Z	60/60/60 m/min
Machining area	Traverse Path X/Y/Z	760/845/660 mm
	Clamping area	Ø 630 mm
NC swivelling rotary table	Tilt area (A axis)	+30°/-120°
	RPM C axis (turning/milling)	200/1.300 mm
	Table load	350 kg
Tool changer	Tool magazine	40 (up to 520) tools
	Tool adapter	HSK-63A
Controller	Siemens	MATSUURA G-Tech 840Di
Workpiece	Dimensions	Ø 548 x 110 mm
	Material	St52-3



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