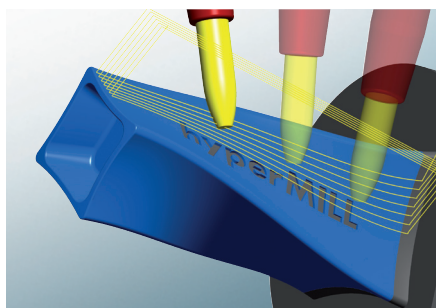


hyperMILL®

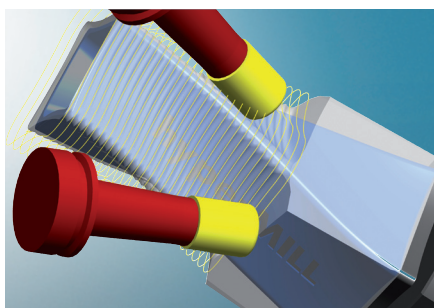
2D • 3D • HSC • mill/TURN • 5 AXIS

Pen holder: Milled on a DMC 65 monoBLOCK®

The *hyperMILL*® CAM software provides an extensive range of machining strategies, from 2D milling right through to 5axis milling and mill turning. This allows you to completely create workpieces using one CAM program. High-performance 5axis strategies and a wide range of functions including fully automated collision checking and avoidance, production mode job linking and transformations minimise programming time and ensure that machine running times are reduced.



5axis radial tangential machining: This strategy helps to achieve smooth-finished surfaces with comparatively large stepdowns. Tool life is excellent: The highest level of dimensional accuracy can be guaranteed as the thermal growth of the spindle has no influence on peripheral milling.



5axis rework: This converts 3D programs to 5axis simultaneous programs. *hyperMILL*® calculates collision-free tool paths, including the alteration of tilt angles. Rapid link movements are reliably optimised with 5axis technology.



5axis shape-offset roughing: This strategy makes it possible to machine arched surfaces and program them in a time-saving manner. An automated feature ensures that the tool always works at the optimal angle to the surface.

Machine: DMC 65 monoBLOCK®

Main drive (motor spindle)	Maximum spindle speed	18,000 rpm (SK 40/HSK 63)
	Traverse path X/Y/Z	650/650/560 mm
Machining area	Fast travel	40 m/min
	Clamping area	Ø 650 x 500 mm
	Max. table load	500 kg/pallet
	Tilt range	± 120°
NC swivelling rotary table	RPM	40 rpm
Tool	Tool magazine	30 (chain)
	Tool dimensions	Ø 160 x 315 mm
	Chip-to-chip time	5,1 s
Controller		Heidenhain iTNC 530
Workpiece	Dimensions	110 x 110 x 200 mm
	Material	Al Mg 4.5
	Workpiece	Pen holder



OPEN MIND

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