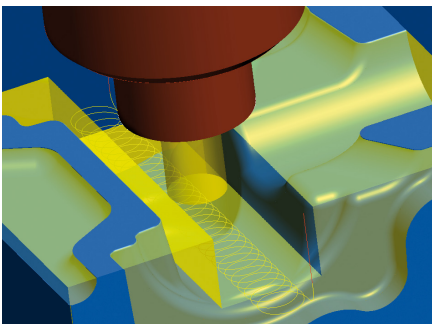
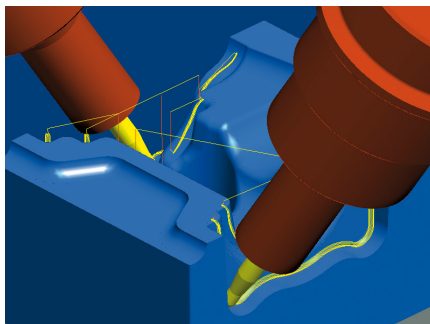


Cavity: HSC-milling on a HSC 75 linear

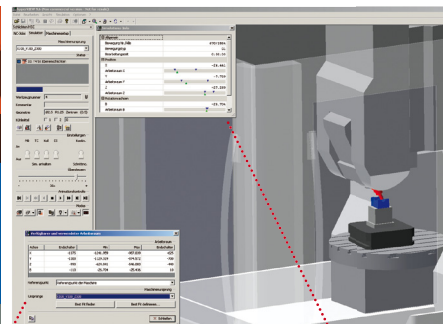
Providing 2D, 3D, HSC and 5AXIS strategies all within one user interface, hyperMILL® is a flexible and powerful CAM solution. For the machining of hard materials, special HSC functions such as „Fillet corners, smooth stepover“ and „Spiral machining“ ensure high cutting capacities, excellent surface quality, runtime optimisation and process reliability.



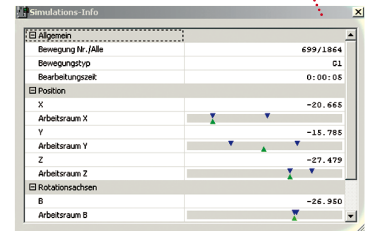
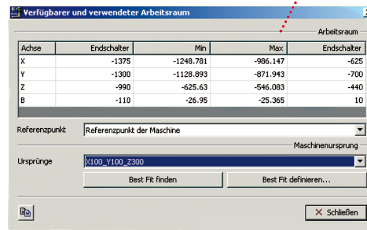
Trochoidal slot cutting When cutting slots in HSC, spiral stepover movements ensure an even load on your high-quality tools. Tool lifespan is optimised.



5axis rest machining This strategy combines automatic indexing with 5AXIS simultaneous milling. The machining job is optimised automatically; the user only needs to select a collision avoidance method.



Workspace monitoring Machining and removal simulation is available for checking whether the machining job can be completed inside the machine's workspace. Tool paths, clamping position and workpiece orientation are simulated based on the machine model in question.



Machine: HSC 75 linear

Main drive (motor spindle)	RPM range	28.000 min⁻¹
Workspace	Rapid feedrate X/Y/Z Traverse path X/Y/Z	90/90/90 min⁻¹ 750(885)/600/560 mm(600)
NC rotary table	Clamping surface Tilt ares (B-Axis) NC-controlled C-Axis Max. workpiece weight	Ø 750 mm (option) -10° bis 110° (option) 360° (option) 800 kg
Workpiece	Controller Dimensions Material	Heidenhain ITNC 530 100x76x60 mm Steel, tempered, 52 HRC



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