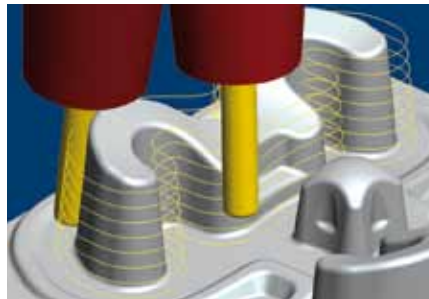


Forging dies: milled on a HSC 20 linear

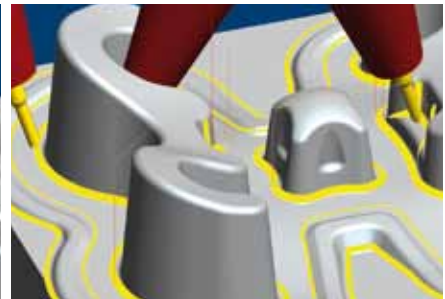
hyperMILL® 2009.1 features new intelligent functions like mirroring and transformation to make programming even easier for users. User input time is also minimised through fully automatic functions such as rest machining, collision checking and avoidance, and workspace monitoring with the best fit strategy. These functions provide users with an extremely time-saving and reliable workflow.



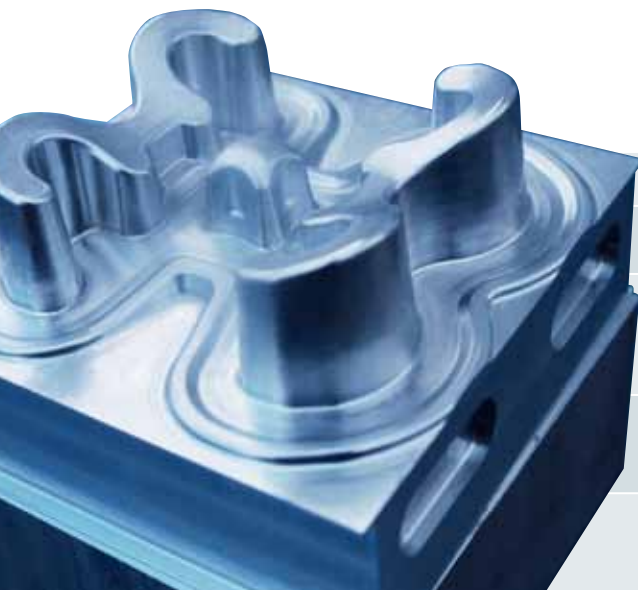
Mirroring Symmetrical elements are programmed automatically by mirroring the machining processes. As a highlight, this function retains the climb milling machining process for mirrored tool paths.



5axis Swarf Cutting The tool flank and wide path distances can be used to mill drafted faces without special tools. This reduces machine runtime and ensures premium quality surfaces.



5axis Rest Machining hyperMILL® combines fully automated machining with different fixed tool angles and 5axis simultaneous movements in a single operation. Information on the slope angle is not required for the operation.



Machine: HSC 20 linear

Main drive (motor spindle)	RPM range	42.000 min ⁻¹
Workspace	Rapid feedrate Traverse path X/Y/Z	40 min ⁻¹ 200/200/280 mm
NC rotary table	Clamping surface Tilt ares (A/B-Axis) C axis turning area Max. workpiece weight	Ø 200 mm -10° bis + 130° 360° 10 kg
Tool	Tool magazin Max. tool length/-diameter tool adapter	24 spaces 200 mm/Ø 30 mm HSK 32 E
Automation	Controller Dimensions Material	Heidenhain ITNC 530 100 x 100 x 55 mm Aluminium



OPEN MIND

THE CAM COMPANY

OPEN MIND Technologies AG

Argelsrieder Feld 5 • 82234 Weßling • Germany
Phone +49-81 53-93 35 00 • Fax +49-81 53-93 35 01
E-Mail info@openmind-tech.com
Internet www.openmind-tech.com

SAUER

GmbH Ultrasonic

SAUER GmbH | ULTRASONIC

Gildemeisterstraße 1 • 55758 Stipshausen • Germany
Phone +49-6544-991 99-0 • Fax +49-6544-991 99 90
E-Mail hsc.roadshow@gildemeister.com
Internet www.gildemeister.com