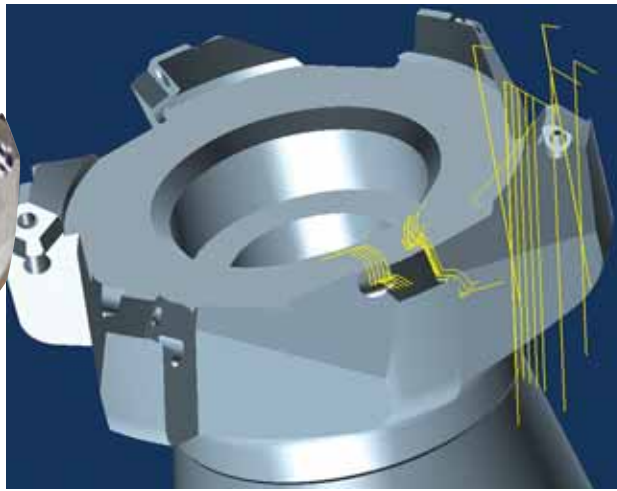
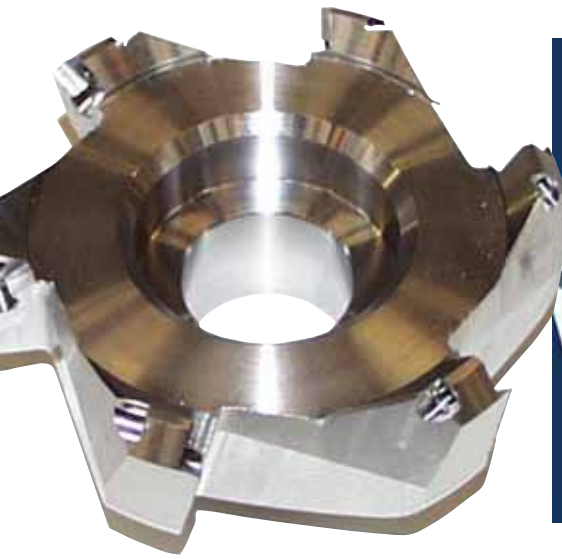


Milling heads: milled on a Mikron HSM 600U

hyperMILL® provides a wide range of intelligent functions to help you efficiently machine standard 2D and 3D jobs. Multi-axis indexing with automatic tool position calculation is just one example.



Programming using mainly 2D strategies: hyperMILL®'s post-processor technology supports process step repetitions and control functions such as G41/G42 path compensation and G2/G3 circular movements, as well as control cycles for holes, pockets and more.

Machine: Mikron HSM 600U

Processing	Tool	Diameter [mm]	Corner Radius [mm]	Number of Teeth	Spindle Speed [min ⁻¹]	Feed Rate [mm/min]	Lateral Feed [mm]	Axial Feed [mm]	Processing Time [min']
		D	R	z	n	v _f	a _e	a _p	t
Milling body surfaces	Milling head	40	2,4	5	1.700	900	20	2,5	5'18"
Stock removal via drilling	Twist drill	5	–	–	9.500	1.200	–	–	0'29"
Roughing plate base	End mill	6	–	–	8.000	1.500	–	–	2'50"
Finishing plate base	End mill	4	–	2	16.000	800	–	–	1'51"
Milling the back side	End mill	5	–	–	14.000	2.500	–	–	2'48"
Drilling D3.3	Twist drill	3.3	–	–	14.000	1.200	–	–	0'25"
Countersinking 90°	NC drill	6	–	–	2.700	1.200	–	–	0'27"
Tapping	Tap	M4	–	–	800	–	–	–	0'37"
Processing Time (Total)									12'00"

Spindle mit 36.000 min⁻¹ Material CK 45, 1.1191 Focus Production part



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.Europe@openmind-tech.com
 Internet: www.openmind-tech.com



Mikron Agie Charmilles AG
 HSM Competence
 Ipsachstrasse 16 • 2560 Nidau • Switzerland
 Phone: +41-32-366 11 11 • Fax: +41-32-366 11 66
 E-mail: info@mikron-ac.com
 Internet: www.gfac.com

AgieCharmilles