

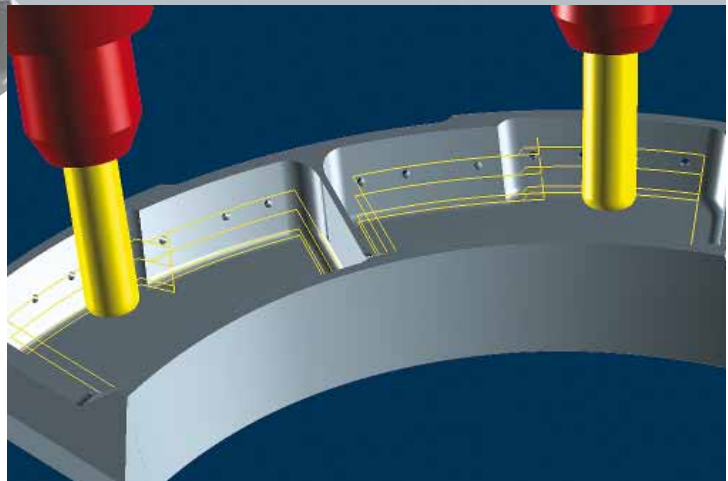
Aerospace part milled on an MIKRON HSM 600U

hyperMILL® 2-D, 3D- operations and 5Axis machining including a lot of high quality strategies for roughing, swarf cutting or curve milling.



e.g. Roughing on Any Stock

Stock tracking, plane level detection and horizontal allowance: keeping allowance at the walls for final wall finishing while finishing the bottom by roughing.



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
Roughing	Milling head	32	3	2	10.000	5.000	22	5	4'15"
Prefinishing outside	End mill	16	–	2	10.000	2.000	10	10	1'30"
Finishing outside	End mill	16	–	2	10.000	2.000	0,5	15	1'00"
Prefinishing inside	Torus	16	4	2	10.000	1.200	8	10	1'40"
Finishing inside	Torus	16	4	2	10.000	2.000	1	10	3'20"
Chamfer	Ball mill	10	5	2	15.000	2.000	0,5	0,5	1'20"
Bearbeitungszeit (gesamt)									13'05"

Machine MIKRON HSM 600U 15'000 rpm Material Aluminium Feature 5Axis-Simultaneous machining