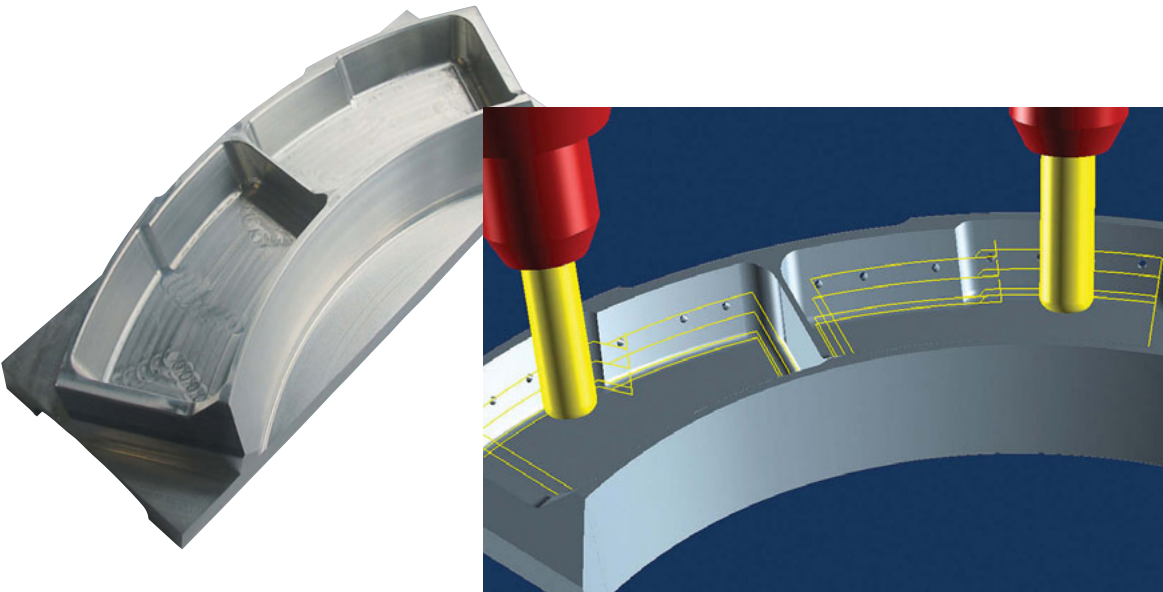


Aerospace part: milled on a Mikron HSM 600U

hyperMILL® 2.5D, 3D- operations and 5-axis 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.

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
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	1'22"
Processing Time (Total)									13'05"

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



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