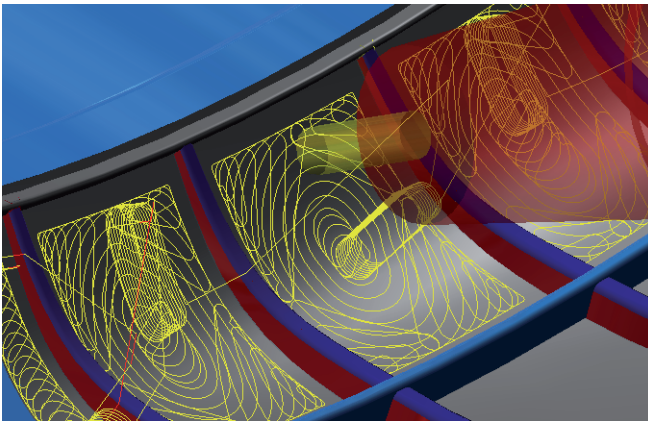
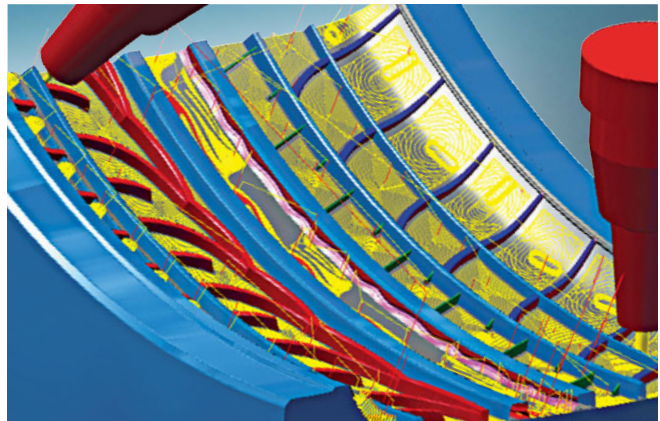


Tire mould: Milled on a HSC 105 linear

hyperMILL® provides a range of optimised strategies for tool and mould manufacturing. These strategies include tool path optimisation by reducing undercut trimming, individual customisation of complete finishing jobs through manual selection, and easy handling of multiple allowances during rest machining. One of the highlights is the 5-axis strategy for contour offset roughing and finishing.

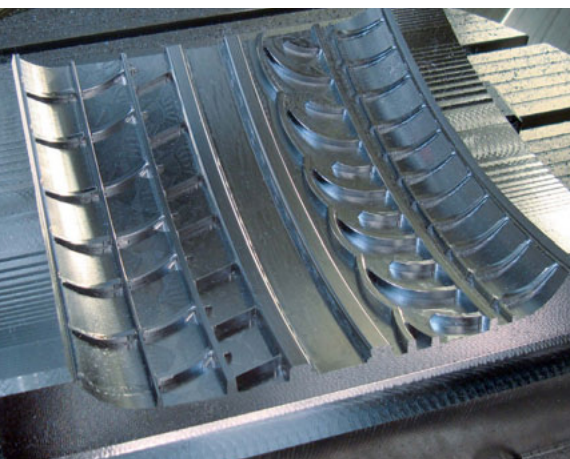


5-axis contour offset roughing: With this strategy, curved surfaces can be machined with a consistent offset. The roughing stage can be completed very quickly because the hyperMILL® MAXX Machining strategy is also available here for high-performance roughing.



5-axis contour offset finishing: The options for rounding inner corners and for using automatic approach and retract macros during finishing ensure excellent surface finish. The formation of steps, a problem often encountered when using traditional strategies, is avoided.

Machine: HSC 105 linear



Main drive (motor spindle)	Spindle speed	28,000 rpm
Machining area	Rapid traverse X/Y/Z	90/90/90 rpm
	Traverse path X/Y/Z	1.050/800/560 mm
Traverse path	Clamping area	Ø 950 mm
	Tilting axis (B-axis)	+10°/- 110°
	Rotary axis (C)	360°/infinite
Tool	Max. workpiece weight	800 kg
	Tool magazine	30 slots (180 as an option)
	Max. tool length	300 mm
	Max. tool diameter	80-140 mm
Chip-to-chip time	6 s	
Automation	Controller	HEIDENHAIN iTNC 530/HSCI
Workpiece	Material	Toolox 44



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