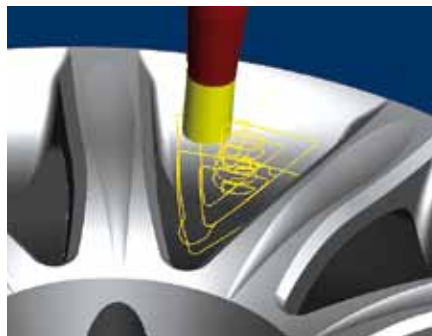


## Wheel rim: milled on a Chiron MILL 800 five axis

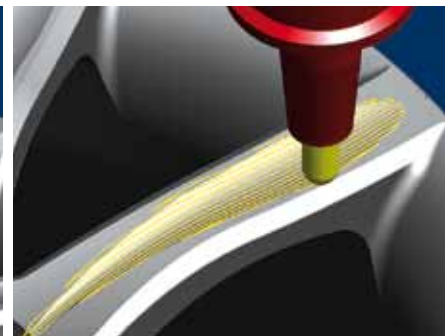
Providing turning, 2D, 3D, HSC and 5axis strategies all within one user interface, *hyperMILL®* is a comprehensive CAM solution. A range of add-on options is available for adapting machining jobs to individual requirements, optimising processes, and reducing machine running times.



**Swarf cutting:** The convex side surfaces are machined using tangential swarf cutting with point contact. Compared to line cutting with ball mills, milling conditions are superior and a better surface quality is achieved.



**Roughing of any stock:** Thanks to stock tracking, only those areas are milled where there is material still to be removed. Hence the strategy is also suitable for rest machining.



**Equidistant roughing:** *hyperMILL®* offers a range of roughing strategies to adapt the machining job to the given requirements. Many different types of surfaces can be produced.



### Machine: Chiron MILL 800 five axis

Main Spindle	RPM range	up to 20.000 min <sup>-1</sup>
Workspace	Rapid traverse/feed rate	60 m/min
	Traverse path X/Y/Z	800/500/550 mm (Option Y = 630 mm)
NC table	Clamping surface	Ø 450 mm
	Swivel range (A-axis)	+/- 110°
	Rotative range C-axis	360°
	Max. workpiece weight	320 kg
Tool	Tool magazine	24/40/60/92/163
	Milling performance	up to 600 cm <sup>3</sup> /min
	Tool change time	1,5 s
	Chp-to-chip time	≥2,9 s
	Max tool length /-Ø Tool adapter	370 mm / Ø 320 mm HSK-A63
Automation	Controller	Siemens 840 D Fanne 31i-A5 Heidenhain iTNC 530
Workpiece	Dimensions Material	19" Aluminium



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