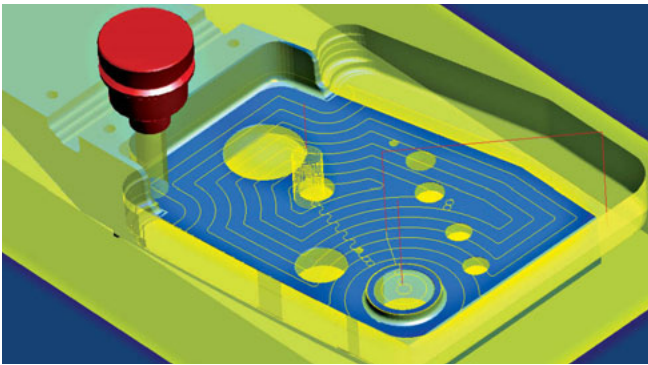
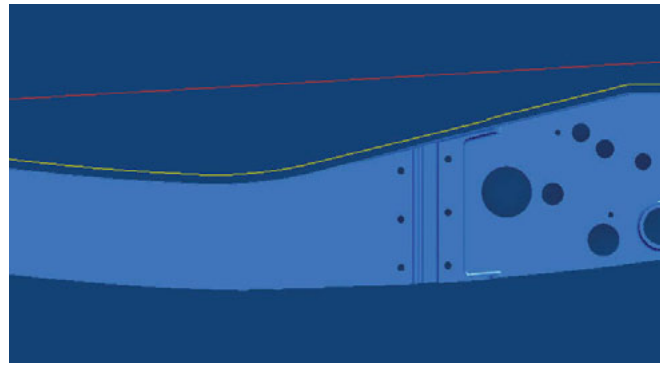


Structural part: milled on a Chiron MILL 1250

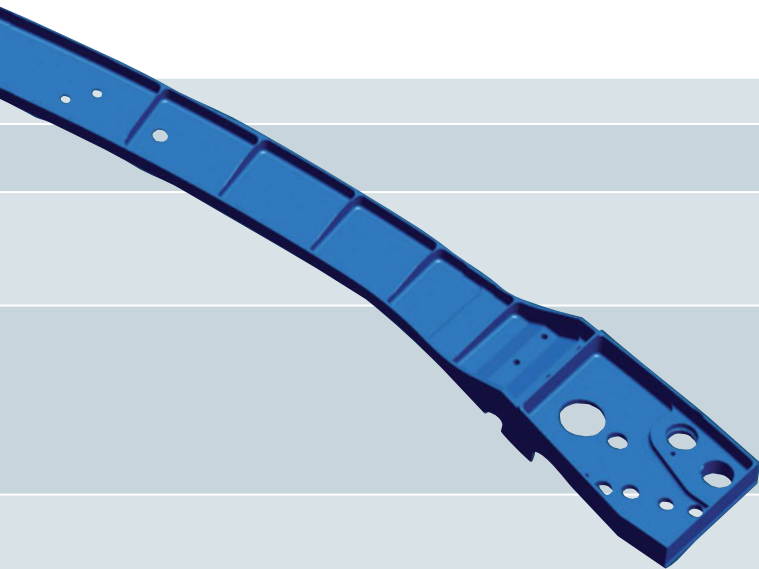
Structural parts can range from simple workpieces through to complex parts with thin and/or high walls, small corner radii, and an increasing tendency towards undercuts. Offering a wide selection of machining strategies, ranging from 2.5D to 5-axis simultaneous machining all within one user interface, *hyperMILL®* is a flexible solution for milling any type of structural part.



Roughing of any stock: In the case of high and thin walls, the flat hub is machined in its entirety first, with the material to be roughed from the walls still remaining in place. This is possible thanks to automatic plane level detection and definition of horizontal stock allowances (optional).



Contour milling: The contour milling strategy is used for machining complex contours. Machining precision is ensured by the definition of milling and stop surfaces; adjacent areas are not touched at all. This strategy is available as a 2.5D, 3D and 5-axis cycle.



Machine: Chiron MILL 1250

Main Spindle	RPM range	up to 20.000 min ⁻¹
Workspace	Rapid traverse/feed rate	60 m/min
	Traverse path X/Y/Z	1.250/820/630 mm
NC table	Clamping surface	1400 x 500 mm
	Swivel range (B-axis)	+/- 110°
	Rotative range A-axis	360°
	Max. workpiece weight	1000 kg
Tool	Tool magazine	24/40/60/92/165
	Milling performance	up to 600 cm ³ /min
	Tool change time	1,5 s
	Chp-to-chip time	≥2,9 s
	Max tool length /-Ø	370 mm / Ø 320 mm
Tool adapter	HSK-A63	
Automation	Controller	Siemens 840 D Fanne 31i-A5 Heidenhain iTNC 530
Workpiece	Dimensions Material	1150 x 210 x 80 mm Aluminium



OPEN MIND Technologies AG
 Argelsrieder Feld 5 • 82234 Wessling • Germany
 Phone: +49 8153 933-500 • Fax: +49 8153 933-501
 E-mail: Info.Europe@openmind-tech.com
 Internet: www.openmind-tech.com



CHIRON-WERKE GmbH & Co. KG
 Kreuzstraße 75 • 78532 Tuttlingen • Germany
 Phone: +49 7461 940-0 • Fax: +49 7461 940-8000
 E-mail: info@chiron.de
 Internet www.chiron.de