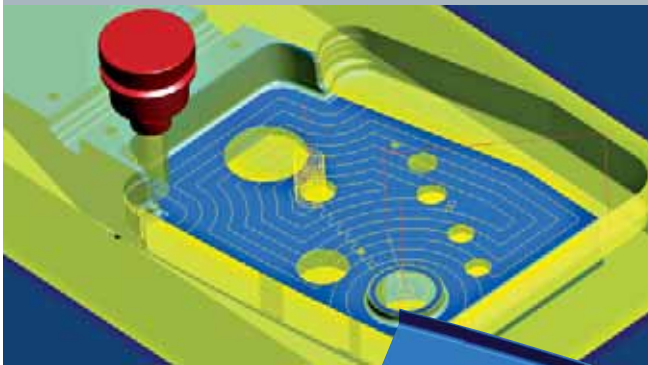


Milling a structural part on a Chiron MILL 1250

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 2D to 5AXIS simultaneous machining all within one user interface, *hyperMILL®* is a flexible solution for milling any type of structural part.

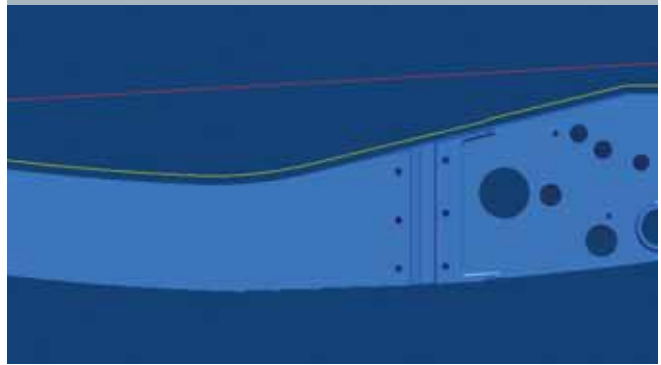
Roughing of any stock

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 2D, 3D and 5AXIS cycle.



Machine: MILL 1250
Traverse path X axis: 1,250 mm
Traverse path Y axis: 820 mm
Traverse path Z axis: 630 mm

Rapid travel up to: 60 m/min
Spindle RPMs: up 20,000 min⁻¹
Milling output: up 600 cm³/min
Tools: 24/ 40/ 60/ 92/ 165
Tool change time: 1,5 s
Chip-to-chip time: ≥ 2,9 s

Material: Aluminium



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