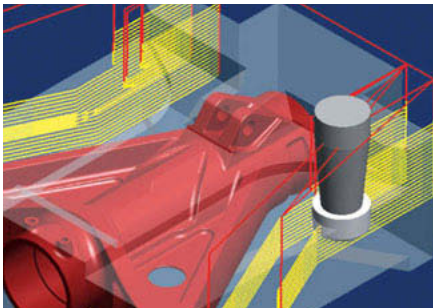


## Chassis frame: milled on a DMC 80 U duoBLOCK®

hyperMILL® is equipped with many intelligent functions that ensure more convenience, reduce programming times and increase process reliability. All machining strategies, ranging from 2.5D to 5-axis simultaneous milling, are available in a single, user-friendly interface. Fully automated collision detection and avoidance, as well as workspace monitoring with best fit function greatly facilitate highly efficient programming.



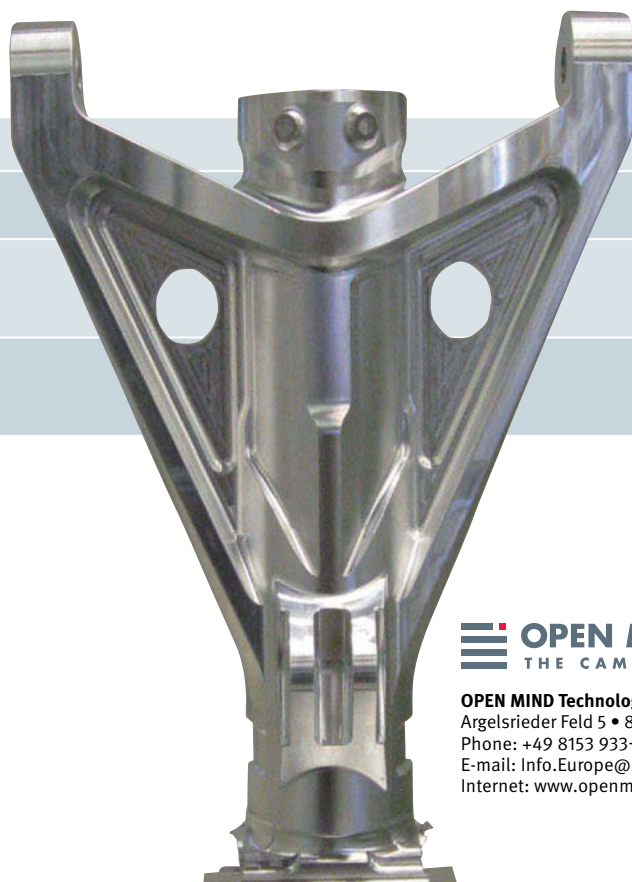
**2D contour milling:** During 2D contour milling, the toolpaths can be automatically trimmed against the stock. The precisely defined roughing paths with axial sorting result in reduced machining times.



**Swarf cutting with a conical tool:** Machining with the tool flank allows for milling with greater step-over distances. This speeds up the machining process and ensures premium quality surfaces.



**Mirroring:** The mirroring of complete machining operations minimises programming times. In addition, machining operations can be linked together in such a way that optimises the rapid traverse path and checks for collisions.



### Machine: DMC 80U duoBLOCK®

Main drive (motor spindle)	RPM range	up to 18.000 min <sup>-1</sup>
Workspace	Rapid traverse/feedrate X/Y/Z	60 min <sup>-1</sup>
	Traverse path X/Y/Z	800/800/800 mm
NC rotary table	Clamping surface	800 x 630 mm
	Rapid traverse/feedrate	30 min <sup>-1</sup>
	Max. workpiece weight	1.200 kg
Workpiece	Controller	Heidenhain ITNC 530
	Dimensions	280 x 103 x 345 mm
	Material	Aluminium



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