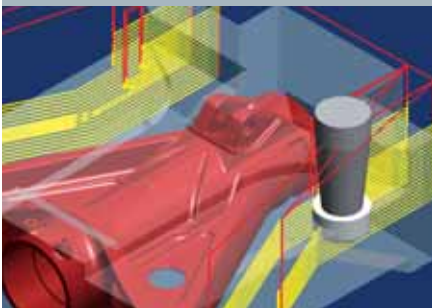# *hyper*MILL®

5AXIS

Milling of a chassis frame on a DMC 80U duoBLOCK®

*hyper*MILL® 2009.1 is equipped with many new, intelligent functions that ensure more convenience, reduce programming times and increase process reliability. All machining strategies, ranging from 2D to 5axis simultaneous milling, are available in a single, user-friendly interface. Fully automated collision detrction and avoidance, as well as workspace monitoring with best fit function greatly facilitate highly efficient programming.

2D contour milling	Swarf cutting with a conical tool	Mirroring
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.	Machining with the tool flank allows for milling with greater stepover distances. This speeds up the machining process and ensures premium quality surfaces.	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.

Main drive (motor spindle)
RPM up to: 18.000 min^{-1}

Workspace
Rapid traverse and feed rate: X/Y/Z: 60 m/min
Traverse path X/Y/Z: 800/800/800 mm

NC rotary table
Clamping surface: 800 x 630 mm
Rapid traverse/feed rate: 30 min^{-1}
Max. workpiece weight: 1.200 kg

Controller: Heidenhain iTNC 530
Material: Aluminium

OPEN MIND
THE CAM COMPANY

OPEN MIND Technologies AG
Argelsrieder Feld 5 • 82234 Wessling • Germany
Phone: +49-81 53-93 35 00 • Fax: +49-81 53-93 35 01
E-Mail: Info.Europe@openmind-tech.com
Internet: www.openmind-tech.com

DECKEL MAHO
Pfronten GmbH

DECKEL MAHO Pfronten GmbH
DECKEL MAHO-Straße 1 • 87459 Pfronten • Germany
Phone: +49-83 63-89 0 • Fax: +49-83 63-89 222
E-Mail: info@gildemeister.com
Internet: www.gildemeister.com