

Demonstration part: Milled on a DMU 50 eVo linear

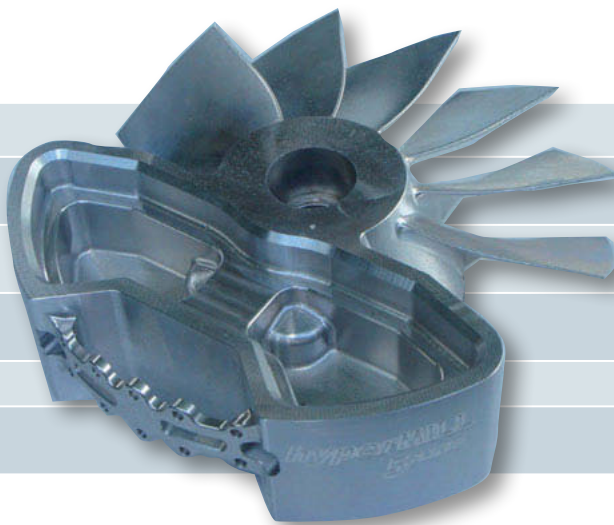
hyperMILL® provides an extensive range of 2.5D, 3D, and 5-axis strategies and special applications. All strategies can be accessed from a single user interface. Alongside comprehensive functions such as stock tracking and automatic collision checking/avoidance, this allows users to machine complex workpieces with undercut areas quickly and reliably. hyperMILL® is therefore a very flexible CAM solution for use in tool and mould manufacturing, the automotive and aerospace industries, right through to mechanical engineering, energy technology and medical engineering.



Arbitrary stock roughing: Because the stock moves along with the tool, collisions are actively prevented. If the tool shank or holder were to collide with the current stock, the tool path would be moved laterally.

5-axis rest machining: hyperMILL® combines fully automated machining with different fixed tool angles and 5-axis simultaneous movements in a single operation. Information on the slope angle is not required for the operation.

Multiblade package: This application enables automatic programming from roughing, plunge roughing and the various strategies for blade and hub machining right through to edge and hub radius milling.



Machine: DMU 50 eVo linear

Main drive (motor spindle)	RPM range	20–18.000 RPM ¹
Workspace	Rapid traverse/feedrate X/Y/Z	80/50/50 m/min
	Traverse path X/Y/Z	500/450/400 mm
NC rotary table	Clamping surface	Ø 500 x 380 mm
	Max. workpiece weight	200 kg
Tool	Tool magazine (changer)	30 (60, 120) spaces
	Tool adapter	SK 40
Automation	Controller	840D solution line
Workpiece	Dimensions	Ø 170 x 46 mm
	Material	Aluminium



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