

Egg holder: milled on a DMU 60 monoBLOCK®

hyperMILL® offers unbeatable strategies for the optimized machining of simple to complex work pieces. Even components that are difficult to machine (such as the egg holder example shown) can be programmed with hyperMILL® using cycles from '3D Tilted Roughing' up to 5Axis simultaneous milling making the whole process from start to finish surprisingly quick and easy. The results speak for themselves: high quality surface finish with significantly reduced cycle times.



Equidistant Finishing: The resultant toolpath is calculated directly from the contour itself. Even for steep surfaces constant distances between the individual tool paths are produced automatically.



Surface Selection: The ability to select single or multiple surfaces narrows down separate working areas quickly and easily, making detailed machining of even complex areas very simple.



Undercut Machining: hyperMILL® 5Axis cycles allow complete machining of difficult-to-access undercut areas in a continuous spiral movement.



Machine: DMU 60 monoBLOCK®

Main drive (motor spindle)	RPM range	up to 18.000 min ⁻¹
Workspace	Rapid traverse/feedrate X/Y/Z Traverse path X/Y/Z	30 min ⁻¹ 730/560/560 mm
NC Rotary Table	Clamping surface Rapid traverse/feedrate Max. workpiece weight	Ø 600 mm 30 min ⁻¹ 400 kg
Workpiece	Controller Dimensions Material	Heidenhain ITNC 530 80 x 80 x 175 mm Aluminium
Controlled NC swivel milling head	B-Axis Schwenkzeit Eilgang	+30°/+120° 1,5 s 35 min ⁻¹



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