



Special offer

Inventory number: 20973

Vertical machining center MAKINO F5



Technical data

Number of axis simultaneous	3
Table length	1000 mm
Table width	500 mm
Table load max.	1000 kg
Longitudinal travel (X-axis)	900 mm
Transversal travel (y axis)	500 mm
Vertical travel (z axis)	450 mm
A axis	
C axis	
Tool changer:	
Tool magazine number of tools	20
Tool diameter max.	114 mm
Tool lenght	300 mm
Max. tool-weight	8 kg
Time of tool changing	1.8 sec
Spindle nose:	
Spindle nose: HSK-A	63
Distance from vertical spindle to table	150 - 600 mm
Vertical spindle speeds:	
stepless	
from	200 rpm
up to	20000 rpm
Feed range	1 - 20000 mm/min
Rapid traverse:	20 m/min
Air connect	5-8 bar

Voltage	50 Hz 3x	400 Volt
Total power required		42 kVA
Machine's weight about		7300 kg
Overall dimensions machine:		
Length		2650 mm
Width		2440 mm
Height		3100 mm
Various accessories:		
Coolant system		160 l
Internal coolant supply (cts)		40 bar
Tool setter	Renishaw	
Chip conveyor		
Handwheel	electronic	











