MULLER MACHINES SA
top second hand and new precision machine tools

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SAM 023034 — MAKINO Type V 33i Graphite

Group	3-axis machining center
Manufacturer	MAKINO
Type	V 33i Graphite
Controller CNC	MAKINO PROFESIONAL 5
Year	2008



Time under power	124789 Heures
Operating time	41099 Heures
Working time	33577 Heures
Spindle run time	37924 Heures
Number of axis total	3
Table length	750 mm
Table width	450 mm
Number of T-channels	4
Distance of the T-slots	100 mm
T-channel width	18H8 mm
Table load max.	300 kg
Longitudinal travel (X-axis)	650 mm
Transversal travel (y-axis)	450 mm
Vertical travel (z axis)	350 mm
Dimension of the workpice:	
Length	750 mm
Width	635 mm
Height	250 mm
Tool magazine number of tool places	60
Tool diameter max.	80 mm
Tool lenght	250 mm
Max. tool-weight	7 kg
Time of tool changing	4.8 s
Spindle nose: HSK	E50
Distance spindle nose to table	150 - 500 mm
Spindle speeds:	
stepless	
from	300 t/min
up to	30000 t/min
Torque max.	23.1 Nm
Feed range	1 - 20000 mm/min
Rapid traverse:	20 m/min
Air connect	4 - 8 bar
Voltage 50 Hz 3x	400 Volt
Spindle power	17/13 kW
Total power required	50 kVA
Machine's weight about	7700 kg
Overall dimensions machine:	
Length	2330 mm
Width	2325 mm

Technical data and photographs without warranty.
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Height	2600 mm

Various accessories:
Lamp
Oil mist extractor
Spindlecooling
Workpiece loader EROWA EASY ROBOT
Status light





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