MULLER MACHINES SA
top second hand and new precision machine tools

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SAM 022738 **MIKRON Type HPM 800 U**

Group	5-axis machining center
Manufacturer	MIKRON
Type	HPM 800 U
Controller CNC	HEIDENHAIN iTNC 530
Year	2013
Youtube video	https://youtu.be/WBpqrmiyN94

Number of axis simultaneous	5
Table length	630 mm
Table width	440 mm
Number of T-channels	5
Distance of the T-slots	100 mm
T-channel width	16 mm
Table load max.	800 kg
Maximum swing circle of up to	800 mm
Longitudinal travel (X-axis)	800 mm
Transversal travel (y-axis)	800 mm
Vertical travel (z axis)	550 mm
A axis	+91 / -121°
C axis	360 °
Resolution	°
Tool changer:	
Number of tools	115
Tool diameter max.	80 mm
Diameter with free adjacent pockets	160 mm
Tool lenght	350 mm
Max. tool-weight	8 kg
Spindle nose: HSK-A	63
Distance spindle nose to table	600 mm
Spindle speeds:	
stepless	
from	0 t/min
up to	20000 t/min
Feed range	0 - 20000 mm/min
Rapid traverse:	45 m/min
Acceleration	6 m/s
Max. Feed force	6000 N
Air connect	6 bar
Voltage 50 Hz 3x	400 Volt
Total power required	55 kW
Noise level	75 dB (A)
Machine's weight about	15000 kg
Overall dimensions machine:	
Length	3505 mm
Width	3100 mm
Height	2980 mm

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Various accessories:
Set of toolholders
Set of shrink tool holders
Set of collet-/ tool holder
Set of collets
High pression colant device
Paper filtration system
Water cooler
Touch Probe
Laser tool setting system
Chip conveyor
Pallets chanching device:
Pallets: number 2
Handwheel electroinic
Tool cabinet
Reference ball

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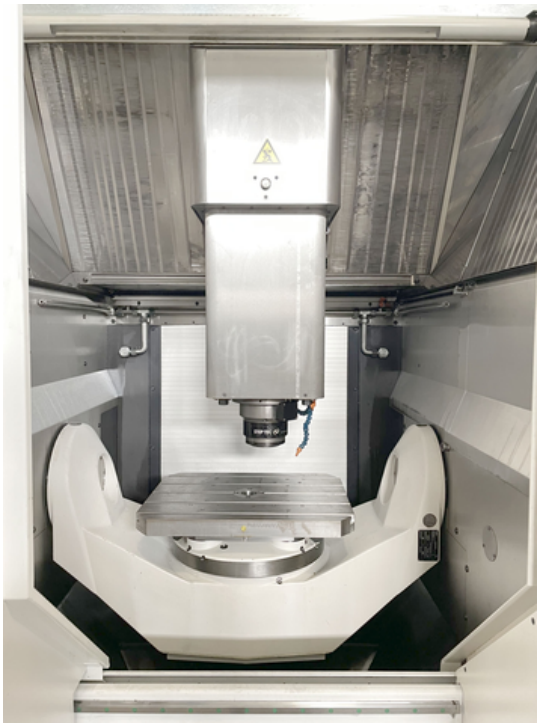

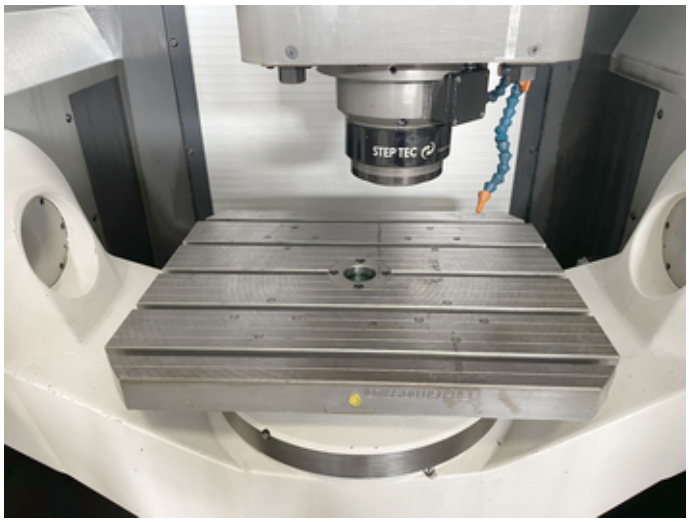

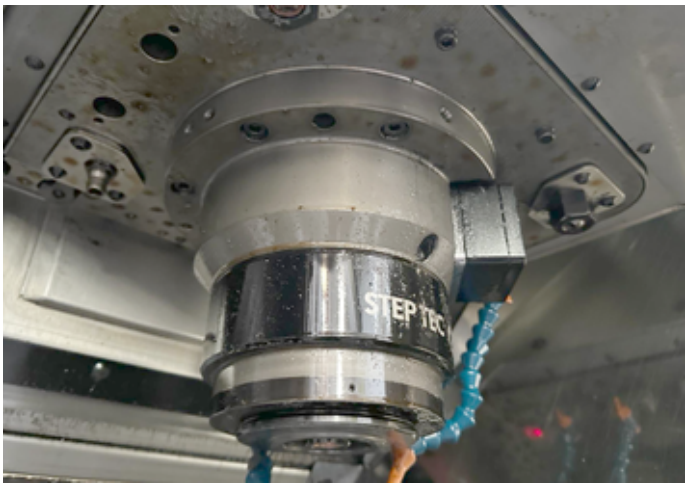

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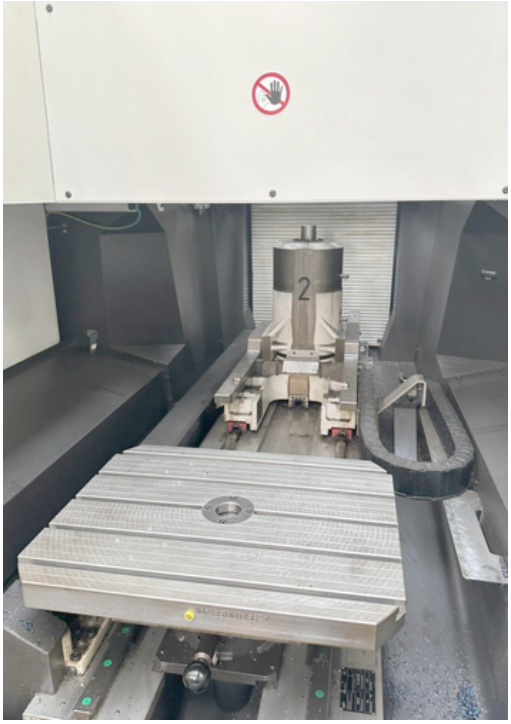

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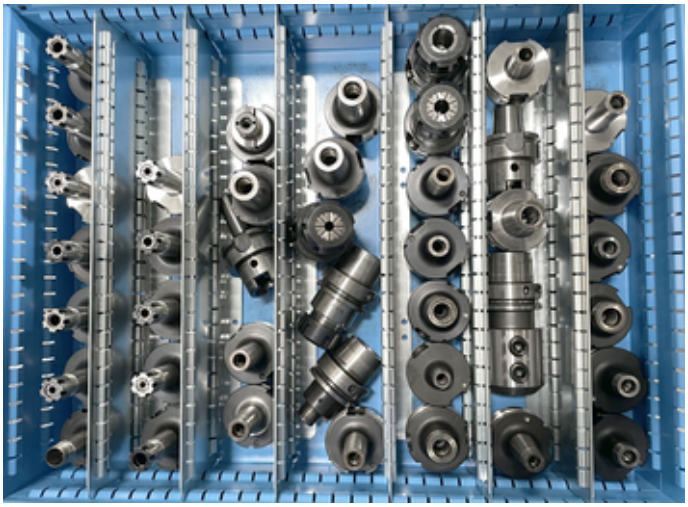

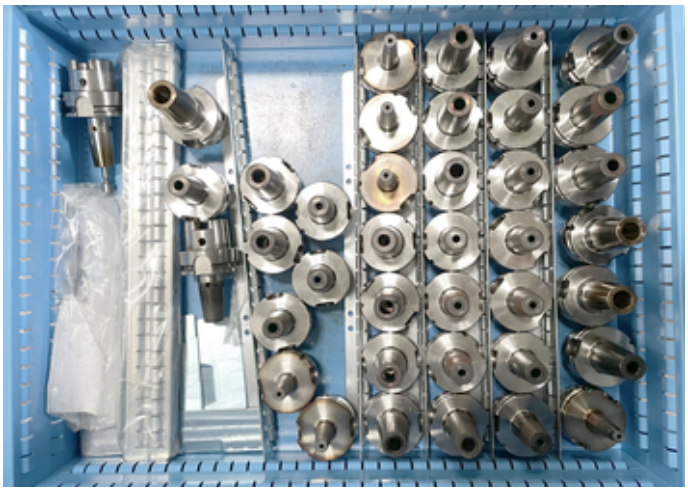

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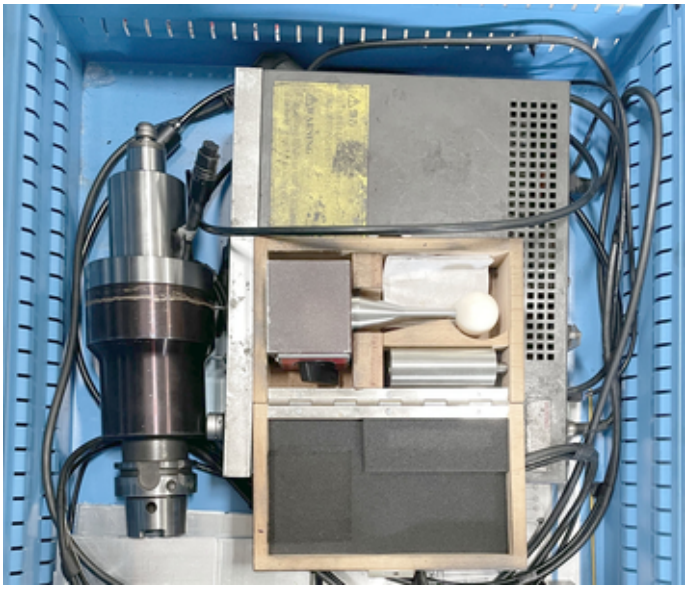

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