

SAM 022953**HERMLE Type C 42 U**

Group	2 x 5-axis machining centres with loading robot
Manufacturer	HERMLE
Type	C 42 U
Controller CNC	HEIDENHAIN TNC 530
Year	2014



Number of axis total	5
Table length	400 mm
Table width	400 mm
Number of T-channels	5
T-channel width	14H7 mm
Table load max.	450 kg
Maximum swing circle of up to	990 mm
Longitudinal travel (X-axis)	800 mm
Transversal travel (y-axis)	800 mm
Vertical travel (z axis)	550 mm
Swivel angle (a-axis)	+/- 130 °
Table speed	30 t/min
Pallets chancing device:	
numbers	30
Length	400 mm
Width	400 mm
Tool changer:	
Tool magazine number of tool places	42

Addet tool-holder magazine

Number of tools	160
Spindle nose: HSK-A	63
Spindle speeds:	
stepless	
from	0 t/min
up to	18000 t/min
Rapid traverse: long.	45 m/min
Rapid traverse: transversal	45 m/min
Rapid traverse: vertical	40 m/min
Air connect	6 bar
Voltage 50 Hz 3x	400 Volt
Spindle power	42 kW
Torque max.	148 Nm
Total power required	37 kVA
Machine's weight about	12500 kg
Overall dimensions machine:	
Length	16000 mm
Width	7000 mm
Height	3500 mm



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Various accessories:

Addet tool-holder magazine	
Number of tool places	160
Pallet station (number of spaces)	54
Loading roboter	KUKA
Coolant through spindle (cts)	80 bar
Air blast through milling spindle	
Paper filtration system	
Measuring feeler gauge Renishaw	
Workpiece measurement	BLUM
Tool break control	BLUM
Chip conveyor	
NC Rotary and swiveling table	
Oil mist extractor	
Rotating viewing window	
Automatic sliding door	
Interface serial port RS 232	
Interface Ethernet	
Interface USB	
Switch cabinet Air conditioner	

Notes:

without tool holders

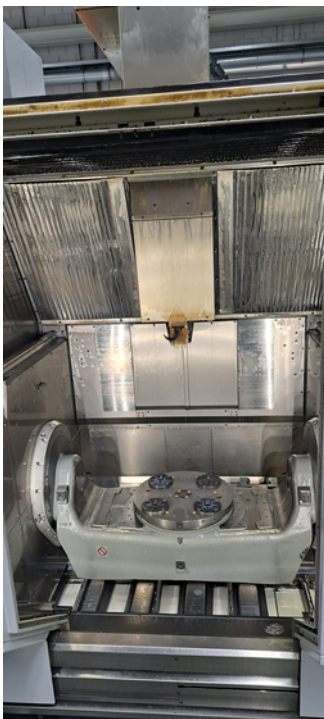
2 machines C42U including loading robot

Spindle replacement on Machine 1 in May 2023 at 36,000 hours -> currently approx. 27,000 hours

Spindle replacement on Machine 2 in April 2018 at 19,000 hours -> currently approx. 5,000 hours



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Technical data and photographs without warranty.

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