

TECHNICAL DATA
CNC – 5-Axis – Machining Centre

manufacturer	HERMLE
type	C40 U dynamic
built	2003
control	Heidenhain iTNC530



Rare opportunity: Hardly used machine from demonstration center and training workshop!

Travels

X-axis (column transverse)	850	mm
Y-axis (upright longitudinal)	700	mm
Z-axis (vertical)	500	mm
Rotation range C-axis	360	Grad
Swivel range A-axis	135 (-110/+25)	Grad

NC-Swivel Rotary Table

Diameter Ø	800	mm	
Max. Table load	1.400	kg	
Circle of interference	Ø 1.000	mm	
Number of T-slots (star-shaped)	8	St.	14 H7
Table feed with motor cooling			

Milling Spindle

Max. Power (40% ED)	23	kW	from 3.000 rpm
Max. Torque	79	Nm	
speed range	18.000	min-1	
tool holder	Capto C5		
Spindle diameter at the front bearing	Ø 70	mm	

Feed rate, Rapid traverse

Acceleration in X-Y-Z axis	10	m/s ²	
Feed force in X-Y-Z axis	8.500	N	
Rapid traverse speed in X-Y-Z axis	60.000	mm/min	
Diameter and pitch of the feed spindles			
X-Axis	40 / 20	mm	
Y-Axis	50 / 40	mm	
Z-Axis	40 / 30	mm	

Tool magazine, Tool changer

Number of tool places	38		
tool holder	Capto C5		
DIN / Form	DIN 69063		

Connection data

Operating voltage	400	V	~50Hz
Control voltage	24	V	
Total rated current	63	A	
Total connected load	43	KVA	

Machine Dimensions

Space requirement	ca. 6,5 x 4,5 x 3,1	m	
Machine weight	ca. 10.000	kgs	
Total weight	ca. 11.000	kgs	

Equipment & Accessories

- Former demonstration and training workshop machine, best condition
- main spindle 18.000 1/min
- Control Heidenhain iTNC 530
- Linear axes dynamic version
- 38 tool places
- Internal coolant supply 40 bar
- Strainer basket filter for IKZ system
- Inner and outer MQL
- Scraper belt conveyor
- Chip flushing pistol
- Blow-off device
- Sealing air for scales
- Electronic handwheel
- Electrical heat compensation
- Oil mist extraction unit
- Aggregate for spindle cooling
- Coolant system with tank capacity 1.000 l and high pressure pump 40bar for internal coolant supply
- Workpiece touch probe system with Renishaw probe, Capto C5 holder
- Chip catcher
- Manual cabin door
- Manual cabin roof
- Rotoclear incl. laminated glass
- Various toolholders Capto C5
- Machine on: 12,200 h, spindle on 1,300 h