

TECHNICAL DATA  
CNC – 5-Axis – Machining Centre

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manufacturer	<b>HERMLE</b>
type	<b>C30 U</b>
built	<b>2004</b>
control	<b>Heidenhain iTNC530</b>

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### Travels

X-Axis (column cross)	650 mm
Y-Axis (column length)	600 mm
Z-Axis (vertical)	500 mm

### NC-Swivel Rotary Table

Diameter Ø	630 mm
Rotation range C-axis	360 Grad
Swivel range A-axis	145 (-115/+30) Grad
6-fold rotary joint in table centre	
Max. Table load	1000 kg
Max. Workpiece dimension	Ø630 x 400 mm
Number of T-slots (star-shaped)	8 St. (14 H7)
Temperature controlled liquid cooling	

## Milling Spindle

Max. Power (40% ED)	15	kW
Max. Torque	130	Nm
speed range	20 - 18.000	min-1
tool holder	HSK 63	
Spindle diameter at the front bearing	Ø 70	mm

## Feed rate, Rapid traverse

Acceleration in X-Y-Z axis	6	m/s <sup>2</sup>
Feed force in X-Y-Z axis	7.000	N
Rapid traverse speed in X-Y-Z axis	45.000	mm/min
Diameter and pitch of the feed spindles		
X-Axis	40 / 15	mm
Y-Axis	50 / 25	mm
Z-Axis	40 / 25	mm

## Tool magazine, Tool changer

Number of tool places	32	
tool holder	HSK 63	
DIN / Form	DIN 69063	

## Machine Dimensions

Space requirement	ca. 6,5 x 4,5 x 3,1	m
Machine weight	ca. 9.500	kgs
Total weight	ca. 11.000	kgs

## Equipment, Accessories

- Control Heidenhain iTNC 530
- Electronic handwheel
- Spindle 12.000 1/min HSK-A63
- 32 tool places
- NC swivel rotary table with 6-fold rotary feed-through and motor cooling
- coolant system with tank capacity 1190l and high pressure pump 40bar for internal coolant supply
- Sieve basket filter for IKZ
- Scraper belt Chip conveyor
- Renishaw touch probe system with OMP40 touch probe
- Electrical heat compensation
- chip washing pistol
- oil mist extraction
- Spindle cooling unit KGL 6
- Automatic cabin roof
- machine ON: 51.700 h, spindle ON 18.100 h