

TECHNICAL DATASHEET
CNC – 5-axis – Machining Centre

manufacturer	MATEC
type	30 HV/K
built	2007
control	Heidenhain iTNC530



Travels

X-axis (rotary table cross)	1.300 mm
Y-axis (column longitudinal)	600 mm
Z-Achse (vertical)	800 mm

NC-rotary table Ø630/80

diameter	630 mm
max. torque S1/S4	270/600 Nm
max. speed	80 min ⁻¹
embedded in the machine table	
machine table size	1.515 x 635 mm
Power on torquemotor, rotary table directly connected to motor flange	

Milling - head

travel	+/- 105 °		
max. torque	800 Nm		
max. speed	50 min-1	B-Axis swivel	
Dividing accuracy	0,001 °		

Motor spindle

max. power	30 kW
max. torque	190 Nm
max. speed	15.000 min-1
tool taper	HSK 63
max. drilling capacity in steel ca.	Ø 60 mm
max milling power	Ca. 500 cm ³
thread cutting	M 30
temperature controlled liquid cooling	

Feed, rapid traverse

feed range in X-Y-Z-axis	1 – 30.000 mm/min
feed force in X-Y-Z-axis 100% ED	15.000 N
rapid feed in X-Y-Z-axis	30 m/min
rapid feed C-axis (NC – rotary table)	80 U/min

Tool magazine, Tool changer

number of places each casset	46
tool taper	HSK 63
DIN / form	DIN 69893 / form A

Machine dimensions

Space requirement	ca. 5,3 x 4,4 x 3,4 m
machine weight	ca. 9.500 kg
Total weight	ca. 11.500 kg

Equipment & Accessories

- Fully encapsulated working area with openable roof
- direct measuring system in all axes
- chip conveyor
- rinsing gun
- working light
- increased motor power
- electronic handwheel
- Internal coolant through spindle
- coolant equipment manufacturer Mayfran consists of coolant tank 600l, filtration unit, rinsing gun, high pressure pump 20l/min at 70bar, pressure relief valve, switch box for control unit
- compressed air at the outer nozzles
- Internal coolant compressed air through the tool
- Oil mist extraction system
- Electrostatic air filter, vertical, with motor and blower, air capacity approx. 1.000 m³/h, total power 300W
- 3D-measuring probe with radio signal transmission
- hydraulic unit 400bar
- pneumatic connection with maintenance unit