

Technical Datasheet

CNC – Machining Center
out of training academy

Fabrikat	DECKEL MAHO
Typ	DMU 50T
Steuerung	HEIDENHAIN TNC 426
Baujahr	2001



Travels

Longitudinal (X-Axis)	500 mm
Cross (Y-Axis)	400 mm
Vertical (Z-Axis)	400 mm

Feeds

X-, Y- and Z-axis	2 - 10.000 mm/min.
Input resolution	0,02 Mm/min
Rapid traverse in X / Y / Z	12.000 mm/min

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Rotary table with swivel axis

Table size	Ø 700 x 500	mm	
Max. workpiece weight	200	kg	
Number and size of T-slots	7 x 14	mm	H7
Distance of T-slots	63	mm	
Swiveling range	+ 95 / -10	°	Manually by handwheel
Turning range	360	°	Manually by handwheel
Centering hole	Ø 30	mm	H6

Milling spindle

Max. power at 40 % ED	13	kW	
Max. torque	1.070	Nm	
Speed range	20 - 9.000	min-1	stepless
Cone size	ISO 40		
Tool clamping			Mechanical-pneumatic

Automatic tool changer

Pockets in magazine	16	
Tool diameter max.	130	mm
Tool length max.	290	mm
Max. tool weight per pocket	6	kg
Max. total tool weight	50	kg

Dimensions weight

Foot print	Ca. 3,5 x 3,0	m
Machine height	ca. 2,5	m
Machine weight	ca. 3.000	kg
Foundation needed	no	

Electrical connection

Grid connection	3 x 400	V
Operating frequency	50	Hz
Operating voltage	24	V
Total power consumption	17	kVA

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Equipment / Accessories

Universal tool milling and drilling machine with tool changer
Very well maintained from training workshop

X-Y-Z 500-400-400mm
Main drive AC servo motor
Work spindle speed range 20 - 9,000 rpm
Main drive 13kW 40% ED, SK40 mount
3D contouring control Heidenhain TNC426
Tool magazine 16 places
Rotary table with swivel axis, manually positionable via handwheels
Axis drives via precision ball screws and digital servomotors
Direct measuring systems in the linear X, Y and Z axes
Swivel control panel for machine operation
Coolant tank with strainer and lifting pump
Work area cladding closed on the sides
Generous manual sliding doors
Work area lighting
Documentation
Power On 20.400h; Machine On 13.150h; Program Run 1.350h



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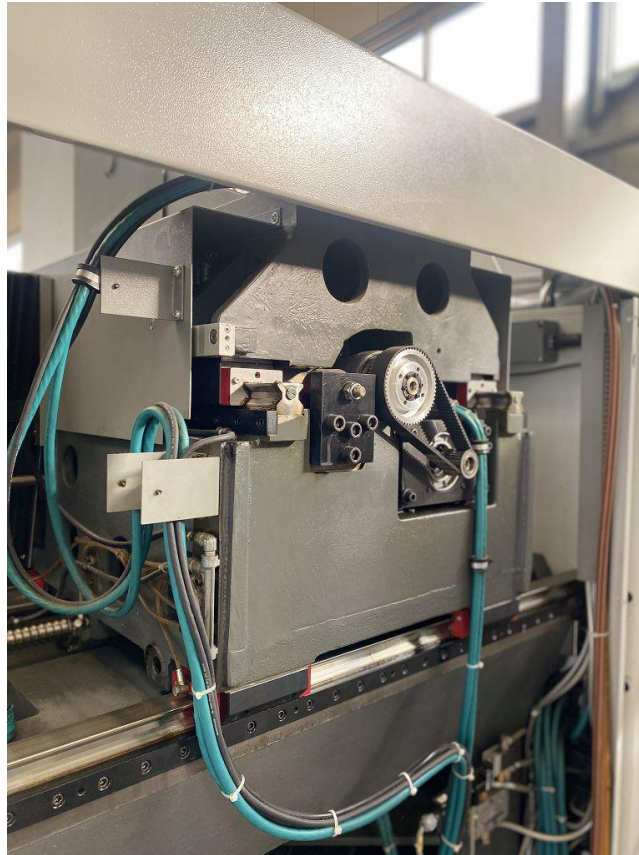


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