

TECHNICAL DATA  
CNC-Vertical Turning Lathe and Machining Centre

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manufacturer	<b>DANOBAT</b>
type	<b>VTC-2500</b>
built	<b>2011</b>
control	<b>SINUMERIK 840 D solution line</b>

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**working area**

faceplate diameter	2.100	mm
max. turning diameter	2.500	mm
max. turning height	1.600	mm
max. height under RAM	1.800	mm
travel crossbar	800	mm 4 x 200 mm
travel RAM (Z-axis)	1.500	mm
travel X-axis	2.870	mm each 1.435 mm left and right from rotating center

### faceplate

power on 100% ED	105	kW	
max.speed	260	min-1	2 gear steps
max. workpiece weight	20.000	Kg	
max. torque	39.785	Nm	
T-slot H 12, star shape	28	mm	
spindle bore	160	mm	

### C - axis

max. torque	51.500	Nm	
max. speed on milling	3	min-1	

### RAM with driven milling spindle

RAM measurement	250 x 250	mm	
travel RAM (Z-axis)	1.500	mm	
power milling drive 100 % ED	30	kW	2-gear steps
max. speed milling drive	3.000	min-1	
max. torque milling drive	1.200	Nm	

### vertical milling head

tool taper	SK 50		
Length vertical milling head	350	mm	
Max. spindle power	30	kW	
Max. spindle speed	3.000	min-1	
coolant supply internal and external			

### 48-fold tool changer

Two disk magazine, mounted on the left and right side of the faceplate  
Right side, 18 positions: Space for 2 pc. Turning tool head (equipped with one turning tool head), 2 pc. Milling head (equipped with one milling head), 7 pc. Turning tool holders horizontal with Capto C8, 7 pc. Turning tool holder vertical with Capto C8  
Left side, 30 positions: Space for 8 pc. Turning tool holder horizontal with Capto C8, 8 pc. Turning tool holder vertical with Capto C8, 14 pc. SK 50 tool holder for milling and boring tools

### CNC-control

SIEMENS, SINUMERIK 840 D solution line  
PCU 50.3, NCU 572.5, 12,1" TFT monitor

### accessories

faceplate Ø 2.100 mm, power 105 kW

alle drives in digital servo technology Fabr. SIEMENS

CNC control SINUMERIK 840D sl

coolant equipment with paper band filter

2 piece tool magazine left and right

Chip conveyor longitudinal

C-axis incl. driven tools

adjustable crossbar – 800 mm

enclosure open at top with automatic doors

1 piece faceplate Ø 2.100 mm

1 piece additional face plate Ø 2.500 mm

div. tool taper + div. driven tool tapers

Ca. working hours: control ON 15.300 h, machine ON 12.800 h, program run 6.100 h