



**Inventory number: 20850**

**Vertical machining center  
MAKINO D 500**



### Technical data

Number of axis simultaneous	5
Rotary table:diameter	500 mm
Longitudinal travel (X-axis)	550 mm
Transversal travel (y axis)	1000 mm
Vertical travel (z axis)	500 mm
Dimension of the workpice:	
Length	650 mm
Width	650 mm
Height	500 mm
Table load max.	350 kg
Swivel angle (a-axis)	+30 / -120 °
C axis	360 °
Tool magazine number of tools	80
Tool diameter max.	140 mm
Max. tool-weight	8 kg
Time of tool changing	4.2 sec
Spindle nose: HSK-A	63
Spindle speeds:	
stepless	

up to	14000 rpm
Feeds:	
X axis	32 m/min
Y axis	40 m/min
Z axis	40 m/min
Rapid traverse: long.	48 m/min
Rapid traverse: transversal	50 m/min
Rapid traverse: vertical	50 m/min
Voltage 50 Hz 3x	400 Volt
Total power required	58.5 kVA
Machine's weight about	17500 kg
Overall dimensions machine:	
Length	3300 mm
Width	2900 mm
Height	3400 mm
Various accessories:	
Coolant system	
Internal coolant supply (cts)	70 bar
Laser tool setting system	BLUM
Chip conveyor	
Lamp	
Filter for coolant system	KNOLL KF400











**ITL**  
Verrieg.  
allen...

**HOLD**  
Vorschub  
halt

**WRN**  
Warnung

**PAR**  
Param.  
Diskrep.

**Regelmäßige**

**TWP**  
Schräge  
Br...

**3DC**  
E... 3D-  
K... on

**OPES**  
Betriebs  
modus 3

X Y Z CA



## Bedienergebnisse : Laufzeitähler

Ereignisprotokoll Bearbeitungsergebnis Produktzähler **Laufzeitähler**

Element	Laufzeit [h:m:s]
Einschaltdauer	24642:13:55
Betriebszeit	6558:00:50
Bearb.zeit	5062:21:12
Zeit Spindelbetr.	3008:30:02

