

# Vertical Turret Lathe

## Emsil group VTL 45/50



stock-no.:	0300721
type of machine:	Vertical Turret Lathe
make:	Emsil group
type:	VTL 45/50
year of manufacture:	NEU
type of control:	CNC
country of origin:	Romania
storage location:	Mansfelder land
delivery time:	by agreement
freight basis:	in calculation
price:	on request



### technical details

table diameter:	4500 mm
faceplate diameter:	4500 mm
swing diameter with side support:	mm
operating hours:	0 h
swing diameter:	5000 mm
turning diameter:	5000 mm
workpiece height max.:	2500 mm
control:	Sinumerik 840D SL
x-axis:	300 Hub/ram Slide mm
x-axis:	2850 Hub / ram travel mm
x-axis:	2850 working without tool mm
x-axis:	5000 with tool changer mm
w-axis:	1800 Querwegelevating cross rail mm
tool holder / places:	12
tool taper:	HSK 100 (spindle)
revolution per minute:	U/min
workpiece weight:	100 t
table speed:	1 - 50 U/min
passage opening in table:	mm
T-slots:	8 Stück (36 H12)
stroke speed:	fräsen ram speed: 4000 U/min
rapid power traverse in X-and Z direction:	8000 mm/min
Torque:	fräsen: 100.000 Nm
Torque:	drehen: 200.000 Nm
total power requirement:	80 (2x40) kW
weight of the machine ca.:	140 t
dimension machine approx.LxWxH:	11,5 x 6,6 x 8,4 m
dimensions electric cabinet:	mm

### additional information

CNC vertical lathe - vertical - NEW ( It is a demonstration machine on the photos)

Application of the manufacturing processes:

Turning, such as external longitudinal turning, internal and external facing and profile machining. Grooving, such as internal and external

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Drilling, such as short hole drilling and deep hole drilling  
Milling, such as face-corner profile and T-slot milling  
Thread cutting  
But also suitable for roughing and end machining.

The machine bed, designed with a welded construction, absorbs extreme cutting forces.  
The table is made of high-strength meehanite cast iron. To withstand heavy loads, the part weight is supported by two high-precision tapered roller bearings.  
Furthermore, the table is equipped with hydrodynamic support for the workpiece.

other features:  
automatic tool change  
jaw chuck (8 pieces with power clamping spindle and hardened jaws)  
incl. cooling system 40bar with filter unit  
hydraulic and lubrication equipment ATOS and Dropsa  
with measuring system of axes Heidenhain  
Renishaw  
NEW - with guarantee & service via WWM AG