

## Verturn II VDM CNC

Efficiency and precision for high quality, power, and reliability



See this machine  
in action on  
YouTube



- heat-treated machine bed made of premium HT250 cast-iron
- large, induction-hardened and precision-ground rectangular guides with synthetic coating ensure optimum sliding and damping properties
- high-precision preloaded ball screws from renowned manufacturers on all axes
- hydraulic clamping of cross traverse





Face plate with 4-station tool changer

## Standard Equipment

Siemens 828 D control, electronic hand-wheel, 4-jaw face plate chuck, automatic 4-station tool changer, coolant system, control cabinet with heat-exchanger, signal lamp, chip conveyor, hydraulic unit, oil cooler, working area lightening, operating tools, operator manual

## Options

## Part No.

• Coolant Concentrate 5 Ltr.	103184
• Clamped Turning Tool Set 25 mm	108670
• Indexable Insert Set 25 mm, 30 pcs.	108675
• Hydraulic measuring tripod	108810
• Power Worker Metal Cutter	123040
• E-Verturn II 1250/1600/2300VDM CNC spare part pack. for 5 years	259162

- Includes the proven Siemens 828 D SL Control
- 4-step precision gears and infinitely variable 45 kW main motor - for high torque (up to 40000 Nm) across the entire speed range
- Chip conveyor with chip carriage and automatic 4-station tool changer complete this extensive standard equipment

## Specifications Verturn II VDM

		1250 CNC	1600 CNC	2300 CNC
<b>Working area</b>				
Turning diameter, vertical	mm	1.250	1.600	2.300
Machining height (max.)	mm	1.000	1.200	1.400
X-axis travel	mm	700	915	1.180
Z-axis travel	mm	650	800	1.000
Travel Z1-axis	mm	650	850	1.050
Workpiece weight (max.)	kg	3.200	5.000	8.000
<b>Headstock</b>				
Speed range	1/min	0,5 - 250	0,5 - 200	0,5 - 100
Torque max.	Nm	23.000	37.500	52.500
Lathe chuck diameter	mm	1.000	1.400	2.000
<b>Feed</b>				
Rapid feed X- / Z-axis	mm/min	4.000	4.000	4.000
Feed W-axis	mm/min	440	440	440
<b>Tooling</b>				
Number of tool stations	Pieces	4	4	4
Tool-change time tool/tool	sec	10	10	10
Tool weight max.	kg	25	25	25
<b>Accuracies</b>				
Positioning accuracy	mm	0,03	0,03	0,03
Repeatability	mm	0,015	0,015	0,015
<b>Drive capacity</b>				
Motor rating main drive	kW	30	37	45
Motor rating feed	kW	2,2	2,2	2,2
<b>Measures and weights</b>				
Overall dimensions (length x width x height)	m	5,3x3,8x4,2	6,5x4,2x4,4	7,6x5x5,4
Weight	kg	9.500	12.000	20.000
Part No.		180675	180676	180677