



### SKU : 301393

The VDM series of vertical lathes offers modern, conventional solutions for machining large workpiece diameters and heavy workpiece weights. Their design enables particularly easy and safe loading and unloading. The feed drive is a high-torque servo motor and a powerful hydraulic system clamps the crossbeam. The main drive provides high torque for heavy machining and a side support is available for machining the outer contour. The standard mounted 3-axis position indicator ensures precision.

- Optimum assembly with crane and forklift
- Infinitely variable feed control via servo motor
- Long, sturdy vertical boom
- Side support with boom and independent feed
- Reduction gear drive for high torque

## TECHNICAL SPECS

### WORKING AREA

Rotating diameter (max.)	1.600 mm
Turning diameter of upper tool holder	1.600 mm
Turning diameter of side tool holder	1.400 mm
Machining height (max.)	1.000 mm
Swivel range of upper tool holder	± 30°
Workpiece length (max.)	1.000 mm
Workpiece weight (max.)	5.000 kg

### TRAVELS

Travel X1 axis, upper support	915 mm
Travel Z1 axis, upper support	800 mm
Travel W-axis, traverse	650 mm
Travel X2 axis, side support	630 mm
Travel Z2 axis, side support	900 mm

### HEADSTOCK

Speed range	5 1/min - 160 1/min
Spindle torque (max.)	25.000 Nm
Rotary table diameter	1.400 mm

### RAPID FEED

Rapid feed of upper support	1.800 mm/min
Rapid feed of side support	1.800 mm/min

### FEED

Feed speed X-axis	08 mm/min - 86 mm/min
Feed speed Z-axis	08 mm/min - 86 mm/min
Feed speed W-axis	440 mm/min

### TOOL HEAD

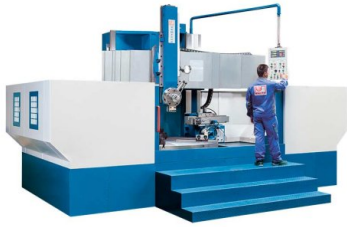
Tool holder	30 mm x 40 mm
Tool weight max.	50 kg

### DRIVE CAPACITY

Motor rating main drive	30 kW
Motor rating X-axis	47 kW
Motor rating Z-axis	47 kW

### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	6.5 m x 4.2 m x 4.4 m
Weight	12.500 kg



*The work area is easily accessible through wide opening doors*



*Vertical support includes a 5-station tool holder, side support with independent feed for inside and outside turning*

## PRODUCT DETAILS

- Infinitely variable feed control via servo-motor
- Optimum tooling and easy access for cranes and forklift trucks
- Heavy-duty column with wide, hardened guideways
- Hydraulic clamping of cross traverse
- Rigid guide construction ensures maximum rigidity and accuracy of the vertical boom
- Spindle runs in a high-precision two-row roller bearing and is adjustable
- Reduction gear drive ensures high torque and a speed range of 10 - 315 rpm
- Servo motor technology ensures powerful, infinitely variable feed of the vertical boom

## STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2  
 Totally enclosed work space  
 Chip conveyor  
 Tool holder vertical  
 Tool holder horizontal  
 Automatic central lubrication  
 Work lamp  
 Anchor bolts  
 Operating tools  
 Operator manual

## OPTIONAL EQUIPMENT

- Coolant System, SKU : 251430