

SKU : 301391

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.)	1000 mm
Turning diameter of upper tool holder	1000 mm
Turning diameter of side tool holder	900 mm
Machining height (max.)	800 mm
Swivel range of upper tool holder	± 30°
Workpiece length (max.)	800 mm
Workpiece weight (max.)	2000 kg

TRAVELS

Travel X1 axis, upper support	670 mm
Travel Z1 axis, upper support	600 mm
Travel W-axis, traverse	580 mm
Travel X2 axis, side support	500 mm
Travel Z2 axis, side support	800 mm

HEADSTOCK

Speed range	8 1/min - 250 1/min
Spindle torque (max.)	12500 Nm
Rotary table diameter	900 mm

RAPID FEED

Rapid feed of upper support	1800 mm/min
Rapid feed of side support	1800 mm/min

FEED

Feed speed X-axis	0.8 mm/min - 86 mm/min
Feed speed Z-axis	0.8 mm/min - 86 mm/min
Feed speed W-axis	440 mm/min

TOOLING

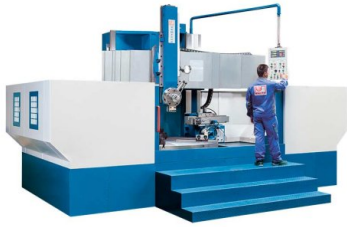
Tool holder	30 mm x 40 mm
Tool weight max.	50 kg

DRIVE CAPACITY

Motor rating main drive	22 kW
Motor rating X-axis	3.2 kW
Motor rating Z-axis	3.2 kW

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	4.9 m x 3.6 m x 4.15 m
Weight	7100 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