



Conventional Vertical Lathes

VDM 2300 S

SKU : 301394

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.)	91 in
Turning diameter of upper tool holder	91 in
Turning diameter of side tool holder	79 in
Machining height (max.)	53 in
Swivel range of upper tool holder	± 30°
Workpiece length (max.)	53 in
Workpiece weight (max.)	17600 lbs

TRAVELS

Travel X1 axis, upper support	45 in
Travel Z1 axis, upper support	31 in
Travel W-axis, traverse	39 in
Travel X2 axis, side support	25 in
Travel Z2 axis, side support	39 in

HEADSTOCK

Speed range	2.5 rpm - 80 rpm
Spindle torque (max.)	23602 ft.lb.
Rotary table diameter	79 in

RAPID FEED

Rapid feed of upper support	71 in/min
Rapid feed of side support	71 in/min

FEED

Feed speed X-axis	0.0315 in/min - 3.3858 in/min
Feed speed Z-axis	0.0315 in/min - 3.3858 in/min
Feed speed W-axis	17 in/min

TOOL HEAD

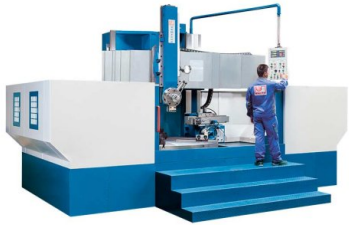
Tool holder	1.2 in x 1.6 in
Tool weight max.	110 lbs

DRIVE CAPACITY

Motor rating main drive	40.2 Hp
Motor rating X-axis	1.7 Hp
Motor rating Z-axis	2.41 Hp

MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	300 in x 197 in x 213 in
Weight	41800 lbs



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



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

STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2
Tool holder vertical
Central lubrication
Work lamp
Anchor bolts
Operating tools
Operator manual
Fully enclosed housing
Chip conveyor
Tool holder horizontal