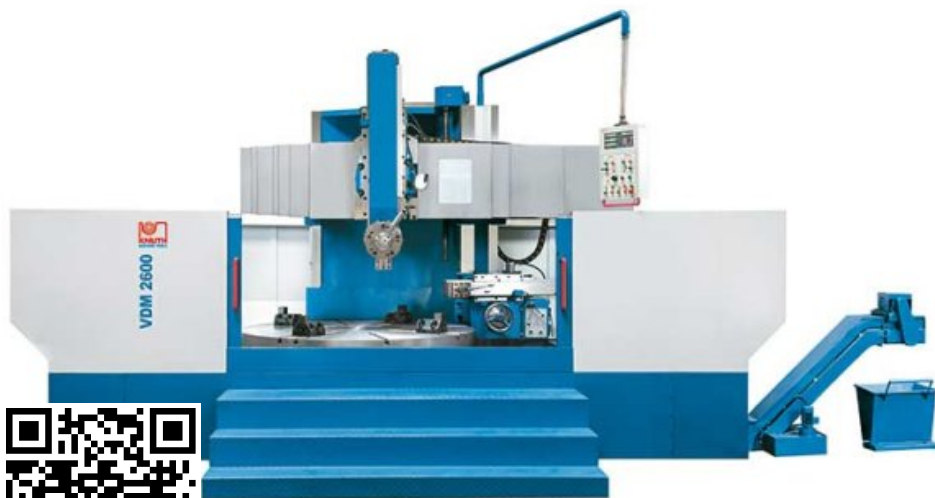


SKU : 301392

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.)	49 in
Turning diameter of upper tool holder	49 in
Turning diameter of side tool holder	39 in
Machining height (max.)	39 in
Swivel range of upper tool holder	± 30°
Workpiece length (max.)	39 in
Workpiece weight (max.)	7040 lbs

TRAVELS

Travel X1 axis, upper support	28 in
Travel Z1 axis, upper support	26 in
Travel W-axis, traverse	26 in
Travel X2 axis, side support	25 in
Travel Z2 axis, side support	35 in

HEADSTOCK

Speed range	6.3 rpm - 200 rpm
Spindle torque (max.)	12907 ft.lb.
Rotary table diameter	39 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

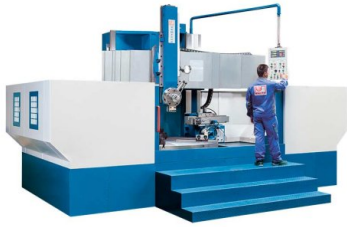
Tool holder	1.2 in x 1.6 in
Tool weight max.	110 lbs

DRIVE CAPACITY

Motor rating main drive	29.5 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)	209 in x 150 in x 166 in
Weight	19800 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
 Fully enclosed housing
 Chip conveyor
 Tool holder vertical
 Tool holder horizontal
 Automatic central lubrication
 Work lamp
 Anchor bolts
 Operating tools
 Operator manual