KCM 150 N

Heavy – Duty / Vertical Turning Lathes

The KCM 150 N heavy-duty single-column Vertical Turning Lathe is intended for turning and boring of cylindrical, conic and curved surfaces, as well as complex shaped large-size workpieces.

The use of the latest Siemens SINUMERIK ONE and digital drive technology guarantees maximum performance and the complete compatibility of all drive and control components.

The KCM 150 N Vertical Turning Lathe along with a wide array of optional equipment are customized to meet the Customer's individual requirements.

Main features:

- Compact design adjusted to machining requirements
- High rigidity and accuracy of machining
- Complex machining of workpiece in one setup
- Railhead for turning, milling and drilling operations
- Feed drives of X and Z axes through precise ball-screw transmissions
- Tool / toolhead magazines
- ISO/BT, CAPTO, KM or any other tooling system
- Heidenhain high-resolution linear scales
- Main drive and C-axis drive
- Cooling system for cutting tools

The machine tool body system consists of base with table and one wide column mechanically connected what forms a rigid and stable structure.

All the machine tool major members are made as high grade iron castings.

This ensures both high geometrical stability and excellent vibration-damping, better than those of the fabricated structures

TECHNICAL SPECIFACTIONS		KCM 150 N
Table		
Table diameter	mm	1500
Max. turning diameter	mm	1800
Max. table load	×10 kN	9
Max. continuously variable rotation rates:		
• Cast iron table - Rolling bearing	rpm	250
Power of main drive	kW	2 × 31
Cross – rail (fixed)		
Max. height of turning	mm	1600
Railhead		
Ram travel	mm	1000
Ram cross-section	mm	250 × 250
Max. cutting force	×10 kN	4
Milling spindle		
Max. rotation rate	rpm	3000
Power of milling	kW	22
Machine tool overall dimensions and weight		
Machine tool overall dimensions: (1)		
• Length	mm	5850
• Width	mm	6000
• Height	mm	6000
Approximate weight of machine tool	×10 kN	29

(1) – For standard execution of machine tool.

Some of the above data can be altered to meet the Customer requirements.
Above data are subject to change due to product development, without prior notice.