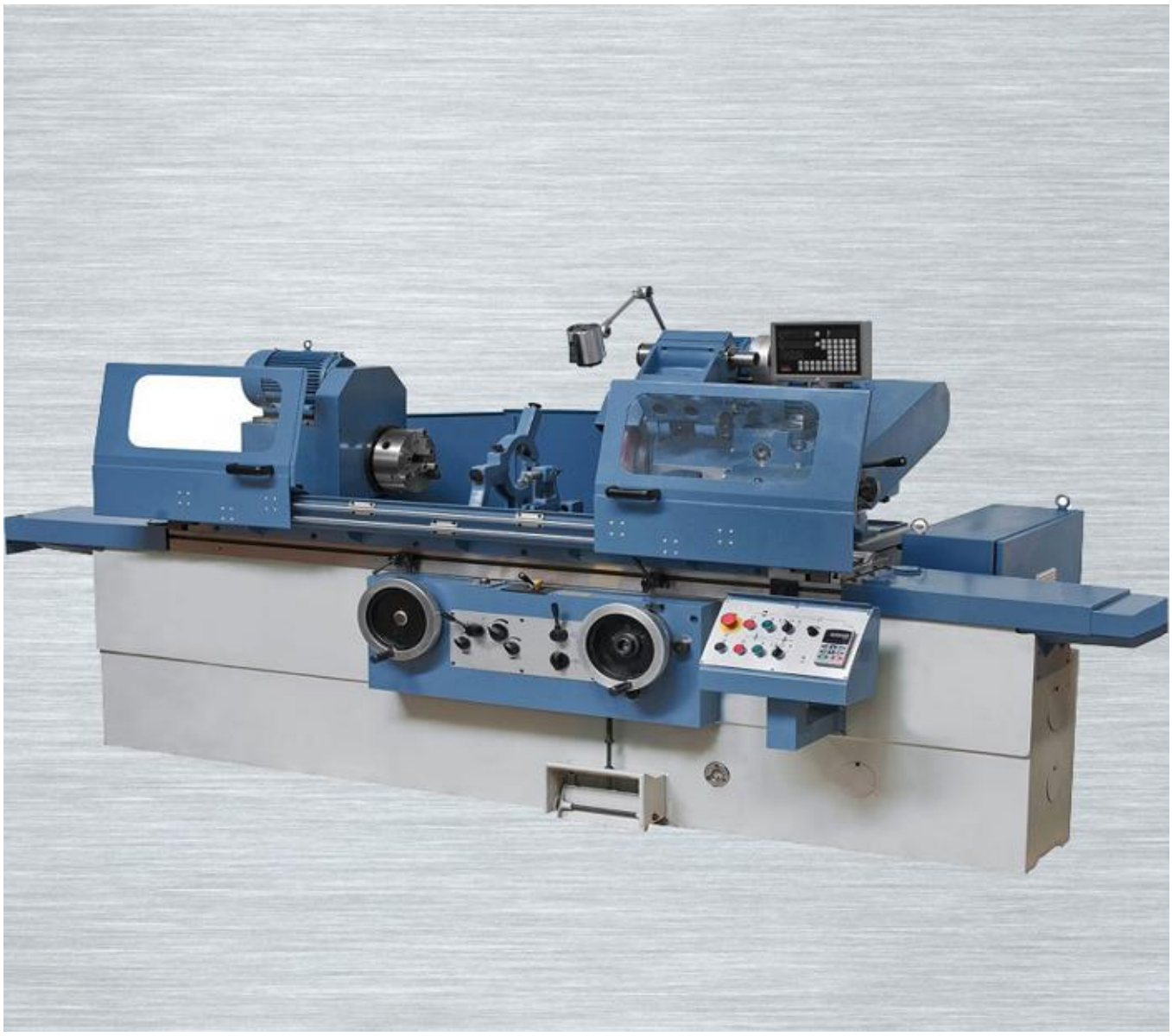
Heavy Duty Universal Conventional Cylindrical Grinding Machine for Inside and Outside Machining



Such kind of MM-RSM2000C Heavy Duty universal cylindrical grinding machine is suitable for internal and external grinding of work-pieces up to 320 mm diameter and Maximum Grinding Length is up to 2000 mm. This Universal Cylindrical Grinder is perfect for processing individual workpiece as well as for small series production and offer additional flexibility with the internal grinding device. The classic design with large machine bed, ground guides and powerful drives for the work spindle, grinding spindle and hydraulic unit, make these machines is cost-effective solution for the precision grinding of larger workpieces.

Main Feature :

Convincing Arguments : Quality, Efficiency and Price

- Internal Grinding and External Grinding
- Maximum Grinding Length 2000 mm, Maximum Grinding Diameter 320 mm
- Maximum Load Work-piece Weight 150 KGS, Center Height 180 mm
- The grinding spindle motor provides up to 7500W power for continuous operation
- Automatic feed in 2 steps – limited by an adjustable stop
- Heavy machine frame to support large workpieces
- Hydrostatic bearings for high surface quality
- Integrated rapid feed on Z-axis with manual return
- Swiveling headstock for conical grinding of short parts
- Wide precision-ground guideways ensure maximum accuracy across the entire workpiece length and accommodate high workpiece weights
- The table features large dimensions and swivels in two directions - table movement via hand-wheel or automatically via linear hydraulic feed
- The grinding spindle features hydrostatic bearings and provides for maximum precision and surface quality, plus extraordinary tool life and rigidity
- The powerful grinding spindle motor is designed for continuous operation
- The robust feed valve allows very precise micro-feed control on the X axis, including a user-adjustable dwell time at the end of the longitudinal table travel
- Automatic feed in 2 steps – limited by an adjustable stop
- Heavy-duty spindle head can swivel to the left and right, the work spindle head also can swivel
- Integrated rapid feed on Z-axis with manual return
- Stepless feed adjustments with selective programmable hold time at the end of each table movement
- Longitudinal table guide and cross guide of grinding headstock each feature a V-guide and flat guide
- Certificate of Original (CO, FORM A, FORM E, FORM F)

Technical Data :

Product Name:	Heavy Duty Universal Cylindrical Grinding Machine
Product Item:	MM—RSM 2000C
Center Height :	180 mm
Grinding Length :	2000 mm
Maximum Work-piece Weight :	150 KGS
Outside Grinding Diameter :	8 — 320 mm
Inside Grinding Diameter with rest :	35 — 100 mm
Inside Grinding Diameter without rest :	30 — 100 mm
Inside Grinding Depth :	125 mm
Table Swivel Range (max.) :	-2° to +5°
Table Longitudinal Travel (max.) :	2100 mm
Headstock	
Work Spindle Speed :	25 — 220 RPM
Working Spindle Taper :	MT4
Working Headstock Swivel Range :	0°— 45°
Grinding Headstock	
Grinding Spindle Speed :	1330 RPM
Grinding Wheel Dimensions :	Φ 500 X 50 X Φ 203 mm
Inside Grinding Spindle Speed :	10000 RPM
Grinding Headstock Swivel Range :	30°
Grinding Head Travel :	200 mm
Feed	
Table Feed :	0.1 – 4 m / min (infinitely variable speed)
Feed per Scale Division :	0.0025 mm
Tailstock	
Tailstock Taper :	MT4
Travel of Tailstock Sleeve :	25 mm
Motor Power	
Motor Rating – Grinding Spindle :	7.5 KW
Motor Rating – Inside Grinding :	1.1 KW
Motor Rating – Headstock :	1.5 KW
Motor Rating – Hydraulic Pump :	0.75 KW
Gross Weight :	6650 KGS
Packing Size :	5610 X 1950 X 1600 mm
Standard Accessory :	Coolant System, 3-Jaw Chuck, Wheel Flange, Open Rest, Machine Light, Wheel Balancing Mandrel, Grinding Wheel Dresser, Internal Grinding Equipment, Tools and Toolbox