

NC CYLINDRICAL GRINDING MACHINE

(A Machine for straight straight plunging grinding, Shoulder grinding, Transverse grinding, End face grinding, Taper Grinding, Internal grinding)

A) TECHNICAL SPECIFICATIONS

QTY : 01 set

Capacity:

- Max. $\emptyset$ Work Swing : $\emptyset$ 320- 350 mm
- Max. Grinding Length : 600-650 mm
- Max. Grinding Dia. : 300-330 mm ✓
- Max. Job Weight : 300 Kgs

Workhead:

- Speed Range (RPM) : 0-400 Variable Speed
- Swivel Angle : 120° (90° CCW; 30° CW)
- Centre : MT4
- Spindle Rotation : Setting, Normal & Reverse

Worktable:

- Horizontal Travel Speed : 50-3000 mm/min.
- Handwheel Feed/revolution : 20 -25 mm
- CCW/CW Swivel Angle : $9^{\circ}/5^{\circ}$
- Min. Travel : 6-8 mm

Wheel Head:

- Max. Peripheral : 1800-2000 m/min.

Grinding Wheel Feed:

- Hand Wheel Feed/Revolution : 1 mm

Tail Stock:

- Centre : MT4

Internal Grinding Attachment:

- Grinding Bore Range : upto 300 mm
- Grinding Length : 400-450 mm

Motor:

- Grinding Wheel Motor : ~ 5 Kw

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|--|---|--|
| | Tools and Tool Box | |
| | Grinding Wheel (A comprehensive list may be provided) | |
| | Grinding Wheel Flange | |
| | Wheel Extractor | |
| 04 Nos. | Wheel Dresser | |
| 04 Nos. | 2-Point Center Rest | |
| | Water Pump and Tank | |
| | Hydraulic System with Cooling System | |
| | Internal Grinding Tool | |
| :Ø5,Ø10,Ø12,Ø12.50,Ø14,Ø15,Ø20, Ø25 mm | Automatic Lubrication System | |
| | Hand Wheel for all axes | |
| | Magnetic & Paper Filtration | |
| | Oil Mist Collector | |
| | Fully enclosed Splash Guard | |
| | Grinding Wheel Wear Compensation Cycle | |
| | Job Measuring Cycle | |

B) STANDARD ACCESSORIES

- Power Supply: • 3-Ph, 400V $\pm$ 10%, 50 Hz

• X, Y axis should be NC controlled

AXES:

- Grinding with Live Spindle
- Grinding between Centers
- Surface Finish Degree
- Table Movement Maximum Deviation

Precision/Accuracy:

- X Servo Motor
- Y Servo Motor

1 ~ 2 kW
1.5 ~ 2.0 kW

0.002 mm/m

0.2 Ra μ

0.3 μm

0.4 μm

The manufacturer have to provide the all standard documents, in original, for machine in English Language: 02 Sets

C) OPTIONAL ACCESSORIES (Separate Price Should be Provided)	
Magnetic Separator	
Balancing Arbor	
Balancing Base	
3-Jaw Chuck 6" with back plate	
4-Jaw Chuck 6" with back plate	
3-Point Center Rest Assembly (Big)	
3-Point Center Rest Assembly (Small)	
Spare Wheel Flanges	
10 Nos.	:
Spare Grinding Wheels	
10 Nos.	:
Center Ring and Jaw Plate	
Grinding Wheel Balancer	
Collet with quick and precise clamping	
D) COUNTRY OF ORIGIN	
European, Japanese, Taiwan, Turkey, ISO/CE Certified Companies from China	
E) INSPECTION AND TRAINING	
Two week Inspection and training for 02 Engineer's at manufacturer premises.	
F) DOCUMENTATION	
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