



# PRECISION MACHINE TOOL

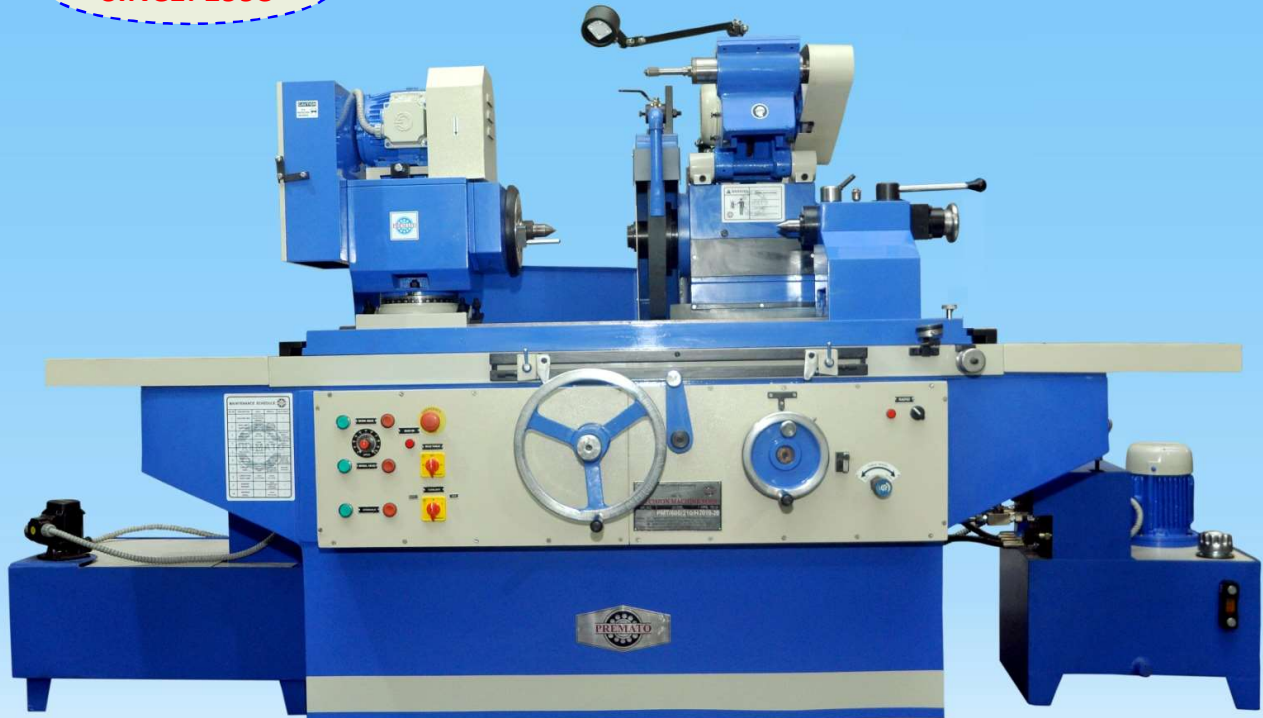
An ISO 9001:2015 Certified Company by BSCIC



Manufacturers & Exporter of all type of high Precision Grinding Machines

**AN ISO 9001: 2015 CERTIFIED CO.**

SINCE: 1993



**500 MM HYDRAULIC CYLINDRICAL GRINDING MACHINE**

## ❖ OTHER PRODUCTS:

- CNC, NC, PLC, Hydraulic, Manual Cylindrical Grinding Machine.
- Hydraulic Cylindrical Grinding Machine (ABC- 300 mm to ABC- 2000 mm).
- CNC Bore / Face Grinding Machine.
- Hydraulic Bore Grinding Machine.
- Center less Grinding Machine.
- SPM Grinding Machine.
- Surface Grinding Machine.
- Surface Grinding Machine.
- Automatic Plunge Grinding Machine having in- process gauge.
- Rubber, Coat, Apron and Slitting Cutter Grinding Machine.

**MACHINE IS TESTED AS PER IS: 2368 AND ISO: 2433**



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## HYDRAULIC CYLINDRICAL GRINDING MACHINE

**Technical Specification of Model: - PMT/500/175/H**

**Make: "PREMATO"**

❖ **GENERAL:**

- Max. Grinding Length = 500 mm
- Swing Over Table (Min.) = 300 mm
- Centre Height = 175 mm
- Max. Swivel of Table = 8 Degree

❖ **WHEEL HEAD:**

- Diameter (Min.) = 300 mm
- Width = 40 mm
- Bore = 127 mm
- Wheel Head Rapid Approach = 40 mm
- Power = 5.5 KW
- Wheel head Swivel =  $\pm 60^\circ$

❖ **WORK HEAD :**

- Spindle Speeds = 25 – 350 rpm (Infinitely variable)
- Spindle Nose Taper = MT-4
- Swivel Range = 0 - 90° deg.

❖ **TAIL STOCK :**

- Morse Taper = MT-3
- Ram Traverse = 25 mm

❖ **INTERNAL GRINDING ATTACHMENT :**

- Spindle =  $\varnothing 80 \times 250$  mm
- Spindle Speed = 12000 Rpm
- Grinding internal bore =  $\varnothing 25$  to 100mm Length
- Motor Power = 1 hp
- Internal grinding attachment fitted with P<sup>4</sup> grade matched Pair antifriction Bearings of two pairs, dynamic balanced pulley, and imported endless flat belt without any joint having all safety guards.
- Two Quills will be provided with the internal grinding spindle for different size of bore grinding.

❖ **STANDARD ACCESSORIES:**

- Grinding Wheel, Complete Hydraulic Power Pack Unit, all Electrical Motors & pump fitted on Machine.
- Straight Dressing Device, Coolant Splash Guard, Complete Coolant Tank with Pump & piping, Spanner for Open the Grinding Wheel, Fix Spanner Set, Allen Key Set, Wheel Puller with extracting nut and Allen Key Set, MT-4 & MT-3 Dead Centers, Coolant Splash Guard, Levelling Plate set, 3 Jaw Self-centering chuck, 4 Jaw independent Chuck, etc.

**STD. & ADDITIONAL ACCESSORIES WILL BE PROVIDED ON CUSTOMER DEMAND**

**"PREMATO" can supply machines tailor-made to suit specific requirement of the user"**