



# PRECISION MACHINE TOOL

An ISO 9001:2015 Certified Company  
GST NO : 24AJNPP3887E1ZT



**Manufacturers of all type of high Precision Grinding Machines**

**“Manufacturers & Exporter of all type of High Precision Grinding Machines”**

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



## CYLINDRICAL GRINDING MACHINE

### OUR OTHER PRODUCTS:

- CNC, NC, PLC, Hydraulic, Manual Cylindrical Grinding Machine.
- Hyd. / Universal Cylindrical Grinding Machine  
(Mfg. Grinding length: ABC- 300 mm to ABC- 2500 mm.)
- CNC Bore / Face Grinding Machine.
- Hydraulic Bore Grinding Machine.
- Center less Grinding Machine.
- SPM 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**



ADDRESS  
PLOT NO: 326, ROAD NO: 5, GIDC,  
KATHWADA, AHMEDABAD – 382430, GUJARAT  
[M]: 7984105104 / 9925319735 / 9898095843  
**E-mail - [info@precisionmachtools.com](mailto:info@precisionmachtools.com), [prematomachine@yahoo.com](mailto:prematomachine@yahoo.com)**  
**web: [www.precisionmachtools.com](http://www.precisionmachtools.com) / [www.grindingmachine.in](http://www.grindingmachine.in)**



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



# PRECISION MACHINE TOOL

An ISO 9001:2015 Certified Company

GST NO : 24AJNPP3887E1ZT



**Manufacturers of all type of high Precision Grinding Machines**

## CYLINDRICAL GRINDING MACHINE WITH ID ATTACHMENT

	TECHNICAL SPECIFICATIONS	MODEL: PMT/450/150/ H
<b>1</b>	<b>GENERAL</b>	
1.1	Admit Between Centres	450 mm
1.2	Centre Height	150 mm
1.3	Swing Over Table	200 mm
1.4	Max. Grinding Length	450 mm
<b>2</b>	<b>TABLE</b>	
2.1	Guideways	V & Flat, Turcite Coated
2.2	Max. Swivel of Table	±6 to 8 deg
2.3	Speed Inf. Variable	100 - 3000 mm/min
2.4	Reversal Dwell	0-60 sec
<b>3</b>	<b>GRINDING WHEEL</b>	
3.1	Diameter x Width x Speed	350 mm x 40 mm x 1700-2100 RPM
<b>4</b>	<b>GRINDING WHEEL HEAD</b>	
5.1	Guideways:	V & Flat, Turcite B Coated
5.2	Grinding Wheel Head Bearings	Hydrodynamic White Metal Bearings (Adjustable)
5.3	Rapid Approach / Retraction	50 mm
5.4	Auto Infeed at Reversal	0.01 mm
5.5	Max. Infeed Stroke with Handwheel	150 mm
5.6	Minimum Incremental Infeed on Diameter	0.005 mm
5.7	Swivel	60 <sup>0</sup> Towards Work Head & 45 <sup>0</sup> Away from Work head
<b>6</b>	<b>WORK HEAD</b>	
6.1	No. of Speeds:	04
6.2	Speed Range (Step)	0-500 RPM
6.3	Swivel (To be available with Live Centre mode only)	0 - 30 deg
6.4	Spindle Nose Taper	MT-4
<b>7</b>	<b>TAIL STOCK (Manual Hand Operated)</b>	
7.1	Centre	MT4
7.2	Quill Travel	Upto 20 mm
7.3	Max. Weight of Job Between Centres	Upto 50 Kgs
<b>8</b>	<b>MOTOR POWER</b>	
8.1	Wheel Head	5 HP
8.2	Work Head	1 HP
8.3	Hydraulic Power Pack	1 HP
8.4	Coolant Pump	0.1 HP



ADDRESS  
PLOT NO: 326, ROAD NO: 5, GIDC,  
KATHWADA, AHMEDABAD – 382430, GUJARAT  
[M]: 7984105104 / 9925319735 / 9898095843  
E-mail - [info@precisionmachtools.com](mailto:info@precisionmachtools.com), [prematomachine@yahoo.com](mailto:prematomachine@yahoo.com)  
web: [www.precisionmachtools.com](http://www.precisionmachtools.com) / [www.grindingmachine.in](http://www.grindingmachine.in)



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



# PRECISION MACHINE TOOL

An ISO 9001:2015 Certified Company

GST NO : 24AJNPP3887E1ZT



**Manufacturers of all type of high Precision Grinding Machines**

<b>9</b>	<b>INTERNAL GRINDING ATTACHMENT</b>	
<b>9.1</b>	Spindle Size x Speed	Ø 60 x 250 mm x 15000 RPM
<b>9.2</b>	Min. - Max. Bore Ground	15 mm (Min.) – 100 mm (Max.)

### MACHINE FEATURES: -

1. The machine has one piece bed, close grained and graded cast iron box structure design heavily reinforced with ribs provided high rigidity and stability.
2. The machine has large prismatic guide ways of V-flat construction & carefully hand scrapped to ensure high accuracy complied to IS & ISO specifications.
3. Main moveable slide is hydraulically operated by reputed hydraulic cylinder.
4. Hardened and precision ground feed screw for perfect repeat accuracy having spring loaded double nut provide for backlash error adjustment.
5. TURCITE –B slide way coated on both moveable slides to prevent stick slip motion.
6. Automatic lubrication on main moveable slide by flow control valve.
7. Separate hydraulic power pack unit fitted with 24v D.C Valve but without Enclo – 68 Oil.
8. Inbuilt electrical control panel board having all reputed components.
9. Hardened and ground feed screw for perfect repeat accuracy.
10. Electrical equipment Suitable for 415 volts +5% 50 Cycles + 3%, AC Supply.

### ACCESSORIES:

- Grinding Wheel with Flange & balancing blocks, , wheel Balancing Stand, Dressing attachment with diamond, Dead Centers, Allen key set & Spanner, Puller for Grinding Wheel flange & Pulley, Coolant splash guards, Machine levelling plates, Operating & Maintenance Manual, Two- & Three-point steady rest, 3-Jaw true chuck 6” with chuck flange, Face plate, MT-3 Revolving centers.

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

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



ADDRESS  
 PLOT NO: 326, ROAD NO: 5, GIDC,  
 KATHWADA, AHMEDABAD – 382430, GUJARAT  
 [M]: 7984105104 / 9925319735 / 9898095843  
**E-mail - [info@precisionmachtools.com](mailto:info@precisionmachtools.com), [prematomachine@yahoo.com](mailto:prematomachine@yahoo.com)**  
**web: [www.precisionmachtools.com](http://www.precisionmachtools.com) / [www.grindingmachine.in](http://www.grindingmachine.in)**



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