

Precision Machines



Drilling & Tapping

New Generation Series

HIGH SPEED DRILLING MACHINES



Specification	IM - 103	P-370	DP-350
Operating Type	Manual	Pneumatic	Pneumatic
Operating Pressure	-	4—6 kg/ cm ²	4—6 kg/ cm ²
Max. Drilling Capacity	Ø4mm	Ø6mm (S45C)	Ø5mm (S45C)
Spindle Taper	BT-10	ER-16, JT1	ER-16, JT1
Motor HP	0.18Kw	0.37Kw, 2P, 4P	0.37Kw, 2P, 4P
Max. Spindle Speed	18000rpm	12000 rpm	12000 rpm
Throat	120mm	180mm	180mm
Spindle Stroke	40mm	60mm	50mm
Working Stroke	-	25mm (Regulator)	25mm (Regulator)
Column Diameter	70mm	80mm	80mm
Cylinder Diameter -	-	Ø50	Ø50
Cylinder Area	-	Forward: 12.56CM ² Reverse: 7.1CM ²	Forward: 12.56CM ² Reverse: 7.1CM ²
Thrust at 5kg/cm ² -	-	62.8Kg	62.8kg
Pulley Step	Five Step	Single step	Single step
Working Area	200 X 200mm	Ø360mm	Ø360mm
Base Area	200 X 380mm	330X510mm	330X510mm
Overall Height	730mm	1350	1350
Weight	48kg	90Kg	90Kg

Features

- Manual & Pneumatic feed available
- These machines are specially designed for drilling small sized holes at very high speeds
- Suitable for drilling in size min 0.5 to max 6mm.
- All rotating parts are subjected to dynamic balancing, for precise & vibration free operation

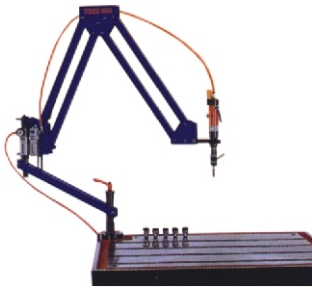
Standard Accessories

- Instruction manual
- Flat belts
- Induction motor, 3 phase, 50 Hz, continues duty, of reputed make
- On/ Off switch duly wired

Optional Accessories

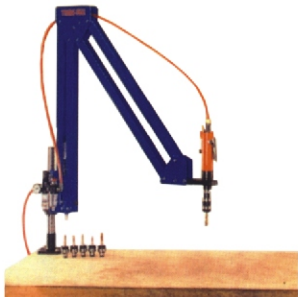
- Tool Holders : Collets Chuck & Collets as per requirement.
- Coolant system consisting of: - reservoir tank with chip collection tray & separation baffles, electric coolant motor, on/off switches, flexible piping & fitting, on/off valves etc.
- Flexible lighting arrangement
- Splash guards or chip collection tray
- Variable Frequency Drive.



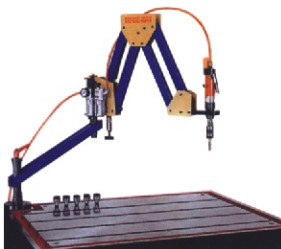


PNEUMATIC RADIAL ARM TAPPING MACHINES

PTM-C Max.	Radius		1900mm
	Min. Radius		200mm
Specification	I	II	III
Tapping Capacity	M2-8	M3-12	M3-18
Spindle Speed RPM	700	400	400
Weight kg	20	20	22



PTM-A	Max. Radius		1600mm
	Min. Radius		500mm
Specification	I	II	III
Tapping Capacity	M2-8	M3-12	M3-16
Spindle Speed RPM	700	400	400
Weight kg	18	18	20



PTM-B	Max. Radius		1400mm
	Min. Radius		200mm
Specification	I	II	III
Tapping Capacity	M2-8	M3-12	M3-18
Spindle Speed RPM	700	400	400
Weight kg	18	18	20



Features

- Unique and versatile machine, faster than conventional machines used.
- Being flexible arm arrangement covers large working area. Even working on floor is also possible.
- Machines with Swivel Unions gives flexibility of operation in vertical, horizontal, and in angular plane.
- Best machines for heavy and bulky components.



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