

Technical Specification of Model : Turnmaster 400



Description	TM-400	Description	TM-400
Capacity		Threads	
Height of the Centres	200 mm	No.of metric threads	24
Swing over Bed	400 mm	Range	0.5 mm to 7 mm
Swing over cross slide	250 mm	No. of inch threads	24
Swing in Gap 'Y Ø'	560 mm	Range	56 TPI to 4TPI
Distance in front of face plate in Gap X'	140 mm	No.of Module Threads	18
Diameter of face plate in Gap	510 mm	Range	0.25 to 1.75
Distance Between Centres		No.of DP Threads	18
Admit Between Centre	1000 mm	Range	16-112
Admit Between Centre	1500 mm	Maximum Weight of work piece held between Chuck and Tail stock centre	
Cross Slide Travel	185 mm	Dead centre	185 kg
Cross Slide Resolution	0.02 mm	Live Centre	150 kg
Bed		Electricals	
Bed Type	2V, 2 flat	Main Motor	3.7 Kw (5HP)
Bed Width	244 mm	Power Supply	415 V 3 Phase 50 cycles A/C supply
Bed Length (Total)		Coolant Tank Capacity	20 Ltrs.
Admit Beteen Centre 1000	1900 mm	Weight	
Admit Beteen Centre 1500	2388 mm	ABC 1000 mm	1000 kg.
Main Spindle		ABC 1500 mm	1550 kg
Spindle Nose	A2-6	Floor Space	
Spindle Taper Bore	Metric- 60.	L X B : ABC 1000 mm	2200 x 850 mm
Taper Bore in Centre Sleeve	M.T.3	ABC 1500 mm	2700mmX850mm
Spindle Bore	55 mm	Capacity of Steady Rest Bar Dia 'D'	
Tail Stock		Pad Type Minimum Dia	10 mm
Quill Diameter	50 mm	Maximum Dia	100 mm
Taper Bore in Spindle	M.T.3	Roller Type Minimum Dia	10 mm
Quill Travel	140 mm	Maximum Dia	75 mm
Tool Slide		Capacity of Follow Rest Bar Dia 'D'	
Travel Top Slide	100 mm	Pad Type Min and Max. Dia	10 mm and 100 mm
Tool Shank Section	25 mm x 25 mm	Roller Type Min & Max.Dia	10 mm and 75 mm
Tool Slide Resolution	0.02 mm	Capacity of Taper Turning Attachment	
Lead Screw		Maximum Taper Angle on either side	10 degree
Lead Screw Diameter	30 mm	Stroke'S'	175
Pitch	6.0 mm	Maximum Turning Length 'L'	125
Speeds			
No.of Speeds	8		
Range	71RPM-1600 RPM		
Feeds			
No.of Longitudinal Feeds	24		
Range of Feeds	0.045 to 0.63 mm		
No.of Transverse Feeds	24		
Range of Feeds	0.015 mm to 0.21 mm		
Ratio of Transverse Feed to Longitudinal Feeds	1/3		

TURNMASTER -400 SERIES.

All Geared Head Precision Lathe.

An ISO 9001:2008 Certified Company



TURNMASTER 400: All Geared Head Lathe, comprising of Hardened and Ground Bed, American A2-6 Spindle Nose, R.H.Hand Wheel Apron, Square Tool Post and Electrical item suitable for 415V, 3ph, 50 cycles with 5 HP / 3.7kw Motor.

Salient Features: (For All Models)

- Hardened Ground Prismatic guide ways for Carriage.
- Geared Head stock with hardened and ground gears.
- Feed box designed for easy selection of Wide range of feeds and threads.
- Electro Magnetic Brake with foot Pedal



SIZES AVAILABLE: TURNMASTER -400, CENTER HEIGHT 200 MM

ADMIT BETWEEN CENTRE (DISTANCE BETWEEN CENTRE) AVAILABLE

- 1) ABC: 1000MM STRIGHT BED, 2) 1000 MM GAP BED,
- 3) 1500 MM STRIGHT BED, 4) 1500 MM GAP BED.



Head Stock

Designed to give 8 Speeds with Hardened & Ground Gears



Feed Box

Designed to give more Threading & Feed Options with induction Hardened & Toughened Gears



Apron

Designed for easy engage & disengage with Overload tripping arrangements



**Machines
Centre**

Established in 1969

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