

Technical Specification of Turnmaster 350

Description	TM-350	Description	TM-350
Capacity		Threads	
Height of the Centres	175 mm	No.of metric threads	24
Swing over Bed	350 mm	Range	0.5 mm to 7 mm
Swing over cross slide	200 mm	No. of inch threads	24
Swing in Gap 'Y Ø'	510 mm	Range	56 TPI to 4TPI
Distance in front of face plate in Gap X'	140 mm	No.of Module Threads	24
Diameter of face plate in Gap	510 mm	Range	0.4 to 3.5
Distance Between Centres		No.of DP Threads	24
Admit Between Centre (3 sizes available)	600 mm 800 mm 1000 mm	Range	8-70
Cross Slide Travel	185 mm	Maximum Weight of work piece held between Chuck and Tail stock centre	
Cross Slide Resolution	0.02 mm	Dead centre	185 kg
Bed		Live Centre	150 kg
Bed Type	2V, 2 flat	Electricals	
Bed Width	244 mm	Main Motor	2.2 Kw (3HP)
Bed Length		Power Supply	415 V 3 Phase 50 cycles A/C supply
ABC 600 mm	1458 mm	Coolant Tank Capacity	20 Ltrs.
ABC 800 mm	1700 mm		
ABC 1000 mm	1900 mm		
Main Spindle			
Spindle Nose	A2-4		
Spindle Taper Bore	Metric-45		
Taper Bore in Centre Sleeve	M.T.3		
Spindle Bore	40 mm		
Tail Stock		Weight	
Quill Diameter	50 mm	ABC 600 mm	600 Kg.
Taper Bore in Spindle	No.3 M.T.	ABC 800 mm	800 Kg
Quill Travel	140 mm	ABC 1000 mm	1000 Kg
Tool Slide		Floor Space	
Travel Top Slide	100 mm	L X B (in MM)	
Tool Shank Section	20 mm x 20 mm	ABC 600 mm	1800 X 850mm
Tool Slide Resolution	0.02 mm	ABC 800 mm	2000 X 850 mm
		ABC 1000 mm	2200 X 850 mm
Lead Screw		Capacity of Steady Rest Bar Dia 'D'	
Lead Screw Diameter	25.4 mm	Pad Type Minimum Dia	10 mm
Pitch	6.0 mm	Maximum Dia	100 mm
Speeds		Capacity of Follow Rest Bar Dia 'D'	
No.of Speeds	8	Pad Type Minimum Dia	10 mm
Range	71RPM-1800 RPM	Maximum Dia	100 mm
Feeds		Capacity of Taper Turning Attachment	
No.of Longitudinal Feeds	24	Maximum Taper Angle on either side	10 degree
Range of Feeds	0.045 to 0.63 mm	Stroke'S'	175
No.of Transverse Feeds	24	Maximum Turning Length 'L'	125
Range of Feeds	0.015 mm to 0.21 mm	Color of the machine: combination	Ace Grey and Black Hammer tone.
Ratio of Transverse Feed To Longitudinal Feeds	1/3	100% made in INDIA	



Turnmaster 350: All Geared Head Lathe, comprising of Hardened and Ground Bed, American A2-4 spindle nose, R.H.Hand wheel apron, Square Tool post and electrical item suitable for 415 v, 3hp, 50 cycles with 2.2 kw Motor.

Model- Straight .Bed Centre Height 175 mm

Turnmaster – 350 Machine Equipped with Standard Accessories:

- Dead Centre with MT-3 Centre Sleeve
- Tool Kit
- Oil Gun
- Machine Lamp
- Coolant pump with Fittings.
- Thread Dial Indicator
- Dog Plate



Salient Features:

- Hardened Ground prismatic guide ways for carriage.
- Geared headstock with hardened and ground gears.
- Main spindle rigid, accurate, hardened and ground Mounted on P5 class Taper Roller Bearings
- Feed box designed for easy selection of wide range of feeds and threads.



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