

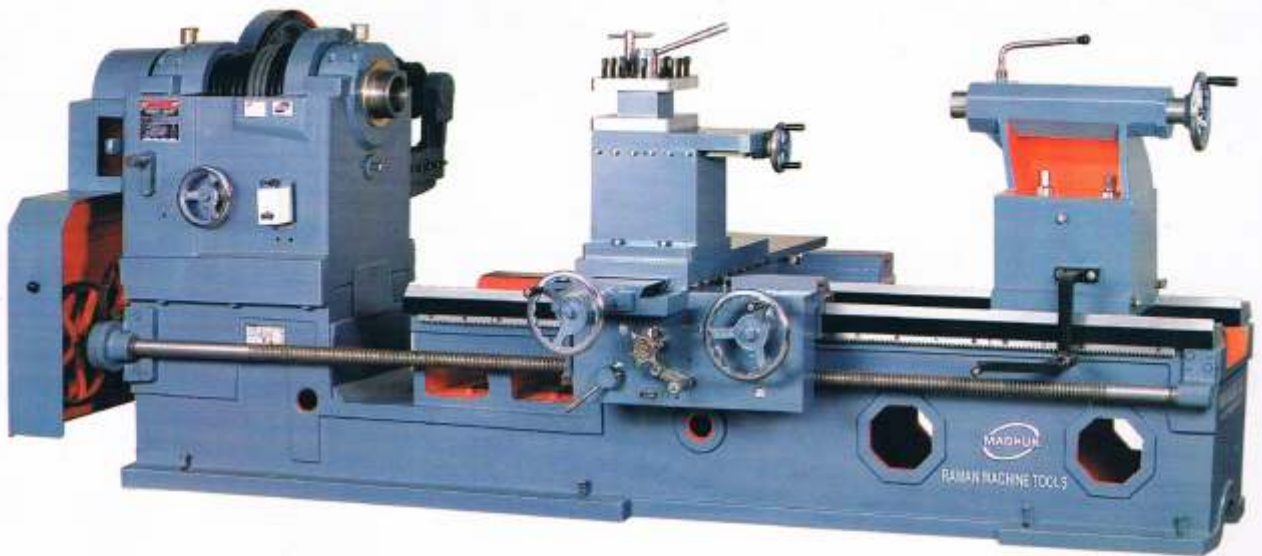
Think about Quality



LATHE MACHINE



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LATHE MACHINE

RAMAN MACHINE TOOLS

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Heavy Duty Lathe Machine



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Technical Specification

CAPACITY:	Standard Center Height 10 - 250 mm	Optional Center Height 12 - 300 mm
Center height	10' - 250 mm	12' - 300 mm
Swing over bed	19' - 480 mm	23' - 590 mm
Swing over Cross slide	11' - 280 mm	15' - 380 mm
Swing in gape	31' - 790 mm	35' - 890 mm

BED :		
HD-1 (5'-0" / 1675 mm)	25' - 555 mm	
HD-2 (7'-0" / 2135 mm)	39' - 1000 mm	
HD-3 (9'-0" / 2745 mm)	64' - 1625 mm	
HD-4 (10'-0" / 3050 mm)	78' - 1930 mm	
HD-5 (12'-0" / 3660 mm)	100' - 2540 mm	
HD-6 (14'-0" / 4270 mm)	124' - 3150 mm	
Bed type	2V & 2 Flat	
Bed width	12.3/4 - 325 mm	
Length of gape in front of face plate	12.3/4 - 325 mm	

HEAD STOCK :	
Number of spindle speed	10
Range of spindle speed	30 to 490 RPM
Spindle nose dia.	3 - 76 mm
Spindle bore	2.1/8 - 52 mm
Spindle threads	8 TPI
Spindle morse taper (Inside)	MT - 4

SPECIAL FEATURES :

- ★ Flame hardened bed ways.
- ★ Bed is made from high quality cast iron & strictly inspected with microlevel & straight edge.
- ★ Head stock spindle is made from high tensile steel duly hardened & ground.
- ★ Apron is totally enclosed oil bath system with lever type arrangement for automatic feeds.
- ★ Tail stock spindle is hardened & ground, made from alloy steel.
- ★ Meticulous care is taken in selecting the right raw material for every component.
- ★ Each & every component is passed through strict quality control.
- ★ Machine accuracy is tested as per IS : 1878 (Part-I) 1971.

CARRIAGE & COMPOUND :

Cross Slide Dimension	8" - 200 mm x 18" - 455 mm
Cross slide travel	10" - 250 mm
Compound slide dimension	10" - 250 mm x 4" - 3/4 - 120
Compound slide travel	6" - 150 mm
Tool post square	4"3/4 - 120 mm
Tool shank section	1" - 25 mm x 1" - 25 mm

TAIL STOCK :

Spindle ram (diameter)	2"3/4 - 70 mm
Spindle ram travel	8" - 200 mm
Spindle ram morse taper	MT - 4

THREADS :

Number of threads range in metric	13
Number of threads range in inch	19
Number of pitch range in metric	1 to 6 PITCH
Number of pitch range in inch	2 to 24 TPI
Lead screw diameter	1"1/2 - 38 mm
Lead screw threads	4 TPI

GENERAL SPECIFICATION :

Model	MACHINE WEIGHT (APPROX) KGS.	FLOOR SPACE (APPROX) L x W x H (MM)
HD - 1	1200 kgs.	2000 x 1070 x 1450
HD - 2	1350 kgs.	2450 x 1070 x 1450
HD - 3	1450 kgs.	3000 x 1070 x 1450
HD - 4	1600 kgs.	3450 x 1070 x 1450
HD - 5	1800 kgs.	4100 x 1070 x 1450
HD - 6	2200 kgs.	4750 x 1070 x 1450

STANDARD EQUIPMENTS :

Chuck back plate, tool post spanner, Centre adapter, Dead centres - 2 nos, Mote Pulley, Change gear set.

NOTE :

The Above Specification are approximate & subject to change without prior notice as improvements are made from time to time. All the parts shown in photo are not included in standard accessories.

Medium Duty Lathe Machine



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Technical Specification

CAPACITY :	MODLE NO.1		MODLE NO.2	
Height of Centre	9"	228 mm	9"	228 mm
Swing over slide	10"	254 mm	10"	254 mm
Swing over bed	16"	406 mm	16"	406 mm
Swing in gap	24"	609 mm	24"	609 mm
Width of bed	11"	280 mm	11"	280 mm

HEAD STOCK :

Head stock type	Bearing Type		Bearing Type	
Spindle Drive pulley	Flat / 'V' Belt		Flat / 'V' Belt	
Speed range No. 6	40 to 475		40 to 475	
Spindle hollow	2"	52 mm	2"	52 mm
Spindle centre	MT - 4		MT - 4	

CARRIAGE :

Carriage slide travels	10"	254 mm	10"	254 mm
Compound travels	5.5"	140 mm	5.5"	140 mm
Tools Post capacity	4.25x4.25"	107x107 mm	4.25x4.25"	107x107 mm

THREADS :

English Number	29		29	
English range	4 to 48 T.P.I.		4 to 48 T.P.I.	
Metric number	21		21	
Metric range	0.5 to 7		0.5 to 7	
Lead screw T.P.I	4		4	

TAIL STOCK :

Spindle dia	2"	52 mm		52 mm
Spindle centre	MT - 4		MT - 4	
Spindle travels	5"	127 mm		127 mm

DIMENSIONS :

	Inch	mm	Inch	mm
L x W x H	70x48x51	1778x762x1270	80x30x50	2032x762x1270
Side Counter				
L x W x H	68x48x51	1727x1219x1295	80x48x51	2032x1219x1295
Weight (Approx)	825 Kgs.		900 Kgs.	
Power Required	1.5 H.P.		1.5 H.P.	

Specifications **Size**
 Bed Length 4' 5", 5' 3", 6' 0", 7' 0"
 Height of Centre 9" = 11"

Specifications **Size**
 Bed Width 11' 0"
 Spindle Hole 2", 2 1/2" (52mm), 3 1/2" (80mm)

Light Duty Lathe Machine



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Technical Specification

	4'6"		5'6"	
	INCH	MM	INCH	MM

CAPACITY:

Height of Center	7"	177 mm	7"	177 mm
Between Centres	26"	660 mm	26"	660 mm
Swing over Bed	14"	355 mm	14"	355 mm
Swing in Gap	20"	508 mm	20"	508 mm
Swing over Slide	14"	355 mm	14"	355 mm

HEAD STOCK :

	4'6"		5'6"	
	INCH	MM	INCH	MM
Head Stock type	Bearing		Bearing	
Spindle Drive Pulley	V-Belt		V-Belt	
Spindle Range No.8	60 to 750 RPM		60 to 750 RPM	
Spindle Hole	38 mm	1 1/2"	38 mm	1 1/2"
Spindle Centre	MT - 3		MT - 3	

CARRIAGE :

Cross Slide	6" x 14"	150x355mm	6" x 14"	150x355mm
Carriage Size	13" x 14"	330x355mm	13" x 14"	330x355mm
Cross Slide Travel	8"	200mm	8"	200mm
Compound rest Travel	5"	125mm	5"	125mm
Tool Post Capacity	4" x 4"	100x100mm	4" x 4"	100x100mm

THREADS :

English Number	29	29
English Range	4 to 48 T.P.I.	4 to 48 T.P.I.
Metric Number	21	21
Metric Range	7 to 0.5	7 to 0.5
Lead Screw T.P.I.	4	4

NOTE :
Illustrations and Specifications are not binding in detail. The designs are subject to Modifications and improvements without Notice.

	4'6"		5'6"	
	INCH	MM	INCH	MM

FEEDS :

Feeds Number	50	50
Feeds Range	0.001 to 0.15	0.001 to 0.15
Cross Feeds	0.07 to 0.77	0.07 to 0.77

TAIL STOCK :

Spindle Dia	1-1/2"	38 mm	1-1/2"	38 mm
Spindle Travel	4"	100mm	4"	100mm
Spindle Centre	MT - 3		MT - 3	

BED :

Length	54"	1371 mm	63"	1600 mm
Width	9-1/2"	241 mm	9-1/2"	241 mm
Height	9-1/2"	241 mm	9-1/2"	241 mm

DIMENSION :

Total Height	53"	1346 mm	53"	1346 mm
Floor Space W	32"	812 mm	32"	812 mm
Floor Space L	65"	1651 mm	74"	1879 mm
Net Weight Approx	450 Kg.		500 Kg.	
Main Motor	1 H.P. 1440 R.P.M.		1 H.P. 1440 R.P.M.	

STANDARD EQUIPMENTS :

(1) Through Chuck Plate (2) Spindle Sleeve (3) Two Dead Centres Mt-3
(4) Tool post key (5) Change Gear Set (6) Thread Dial Indicator (7) Motor Pulley

EXTRA EQUIPMENTS :

(1) Face Plate (2) Three Pin Guide (3) Two Pin Guide (4) Rear Tool Post
(5) Electric Motor (6) Through Chuck (7) Dog Chuck
Extra Cost will be Charged for Compulsory Accessories Fitting with Machine
(1) Reversible Switch (2) Concealed Cable Wiring (3) Power Box (4) V-Belt for Motor