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Premier®



AN ISO 9001 : 2000 CERTIFIED COMPANY

# LATHE MACHINE

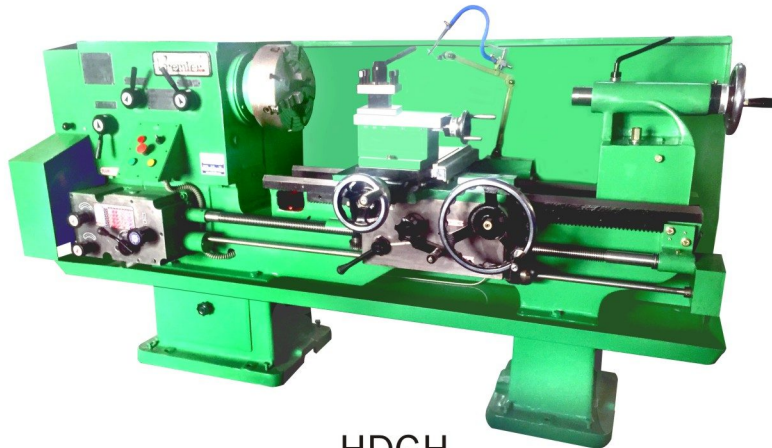
All Geared Precision Lathe Machine



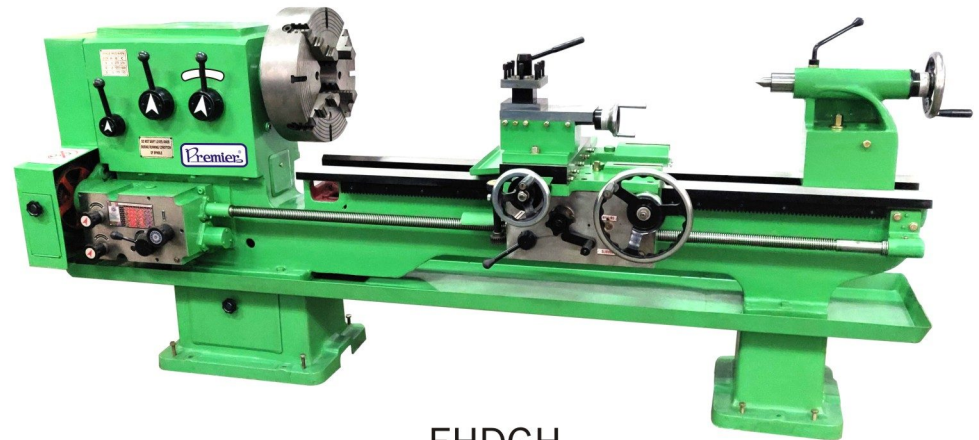
HDGH



HI-CUT-GH



HDGH



EHDGH

Manufacturer :

**PREMIER LATHE MANUFACTURING CO.**

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## Technical Specification

Model	HDGH		EHDGH		HI-CUT-GH	
<b>Capacity</b>						
Center height	10" - 250 mm	12" - 300 mm	12" - 300 mm	15" - 380 mm	16" - 405 mm	18" - 455 mm
Swing over bed	19" - 480 mm	23" - 580 mm	23" - 580 mm	29" - 735 mm	30" - 760 mm	34" - 865 mm
Swing over cross slide	11" - 280 mm	15" - 380 mm	15" - 380 mm	21" - 530 mm	20" - 500 mm	24" - 610 mm
Swing in gape	31" - 790 mm	35" - 890 mm	35" - 890 mm	41" - 1040 mm	46" - 1170 mm	50" - 1270 mm
<b>Bed</b>						
Bed length	Admit Between Center		Admit Between Center		Admit Between Center	
5' - 6" : 1675 mm	22" - 555 mm		22" - 555 mm		-	
7' - 0" - 2135 mm	39" - 1000 mm		39" - 1000 mm		31" - 800 mm	
9' - 0" - 2745 mm	64" - 1625 mm		64" - 1625 mm		54" - 1370 mm	
10' - 0" - 3050 mm	76" - 1930 mm		76" - 1930 mm		66" - 1680 mm	
12' - 0" - 3660 mm	100" - 2540 mm		100" - 2540 mm		90" - 2280 mm	
14' - 0" - 4270 mm	124" - 3150 mm		124" - 3150 mm		114" - 2900 mm	
16' - 0" - 4870 mm	-		147" - 3700 mm		138" - 3500 mm	
18' - 0" - 5500 mm	-		170" - 4300 mm		162" - 4100 mm	
20' - 0" - 6100 mm	-		195" - 4950 mm		186" - 4700 mm	
22' - 0" - 6700 mm	-		-		210" - 5300 mm	
24' - 0" - 7300 mm	-		-		234" - 5900 mm	
26' - 0" - 8000 mm	-		-		258" - 6550 mm	
Bed type	2 V & 2 Flat		2 V & 2 Flat		2 V & 2 Flat	
Bed width	12.3/4" - 325 mm		15" - 380 mm		18" - 455 mm	
Length of gape in front of face plate	8" - 200 mm		8" - 200 mm		10" - 250 mm	
<b>Head Stock</b>						
Number of spindle speed	8		8		8	
Range of spindle speed	30 to 1300 RPM		40 to 1050 RPM		20 to 300 RPM	
Spindle bore	2.1/8" - 54 mm		3.1/8" - 80 mm		4.1/8" - 104 mm	
Spindle nose	A2 size 6		A2 size 8		A2 size 8	
<b>Carriage &amp; Compound</b>						
Cross slide dimension	8" - 200 mm X 18" - 455 mm		10" - 250 MM X 20" - 510 mm		12" - 300 MM X 22" - 560 mm	
Cross slide travel	10" - 250 mm		12" - 300 mm		16" - 405 mm	
Compound slide dimension	10" - 250 mm X 4.3/4" - 120 mm		14" - 355 mm X 6" - 155 mm		17" - 430 MM X 7" - 175 mm	
Compound slide travel	6" - 150 mm		8" - 200 mm		10" - 250 mm	
Tool post square	4.3/4" - 120 mm		6" - 150 mm		7" - 175 mm	
Tool shank section	1" - 25 mm X 1" - 25 mm		1" - 25 mm X 1" - 25 mm		1.1/4" - 32 mm X 1.1/4" - 32 mm	
<b>Tail Stock</b>						
Spindle ram diameter	2.3/8" - 60 mm		2.3/8" - 60 mm		3" - 75 mm	
Spindle ram travel	8" - 200 mm		8" - 200 mm		10" - 250 mm	
Spindle morse taper	MT - 4		MT - 4		MT - 5	
<b>Threads</b>						
Number of threads range in metric	24		24		24	
Number of threads range in inch	44		44		43	
Number of pitch range in metric	0.5 to 15 PITCH		0.5 to 15 PITCH		0.5 to 15 PITCH	
Number of pitch range in inch	2 to 60 TPI		2 to 60 TPI		2 to 60 TPI	
Lead screw diameter	1.1/2" - 38 mm		1.1/2" - 38 mm		1.3/4" - 45 mm	
Lead screw threads	4 TPI		4 TPI		2 TPI	
<b>Electricals</b>						
Three Phase Motor	3 H.P / 2.25 KW		5 H.P / 3.7 KW		7.5 H.P / 5.5 KW	

### Special Features :

- 1) Flame Hardened Bed Ways.
- 2) Bed is made from high quality cast iron & strictly inspected with Micro level & straight edge.
- 3) Headstock spindle & shafts are made from high tensile steel duly hardened & ground.
- 4) Headstock gear are made from high tensile steel duly hardened & ground.
- 5) Tail stock spindle is hardened & ground, made from alloy steel.
- 6) Norton and Apron Gear Box is totally enclosed oil bath system.
- 7) Meticulous care is taken in selecting the right raw material for every component. Each & every component is passed through strict quality control.
- 8) Machine accuracy is tested as per IS : 1878 (Part-I) 1971.

### Standard Accessories :

- Chuck back plate
- Tool Post Spanner
- Centre adapter
- Dead centers - 2 nos
- Full Norton gear box
- Electric motor
- Motor V-belt, Switch

### Optional Accessories :

- Face plate
- Steady rest
- Follow rest
- Carrier plate
- Rear tool post with extended cross slide
- Quick change tool post with tool holder
- Taper turning attachment
- Machine lamp
- Electric control panel
- Switch shaft
- Foot brake
- Coolant pump with tank
- Rear splash guard
- Dog chuck
- True chuck
- Revolving centre

\* The Above Specifications are Approximate and 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.