

SPECIFICATION

ITEM MODEL		HG-660		HG-760		HG-800		HG-840	
		1200	1700	2200	3200	4200	5000		
CAPACITY	Swing over bed	660 (25.98")		760 (29.92")		800 (31.5")		840 (33")	
	Swing over cross slide	400 (15.75")		500 (19.69")		540 (21.26")		580 (22.83")	
	Swing over gap	930 (36.61")		1030 (40.55")		1070 (42.13")		1110 (43.7")	
	Distance between centers	1170 (46.06")		1670 (65.75")		2170 (85.43")		3170 (124.8") 4170 (164.17") 5000 (196.85")	
BED	Width of bed	420 (16.54")							
	Width of gap (Spindle end face)	305 (12")							
	Length of bed	2600 (102.36")		3100 (122")	3600 (141.73")	4600 (181.1")	5600 (220.47")	6400 (251.97")	
HEADSTOCK	Spindle bore	Ø 80 (3.15") OP: Ø 105 (4.13")							
	Number of spindle speeds	12 steps							
	Range of spindle speeds	23-1300 r.p.m							
	Spindle nose	A1-8 OP: A2-8 for spindle bore :105mm OP: D1-8,D2-8 OP: A2-11 only for spindle bore 105mm							
CARRIAGE	Width of carriage	670 (26.38")							
	Cross slide travel	400 (15.75")							
	Compound rest travel	HG-660, 800: 150 (5.9") / HG-760, 840 : 240 (9.45")							
	Tool shank	25 X 25 (0.98" X 0.98")							
TAILSTOCK	Diameter of barrel	Ø 80 (3.15")							
	Travel of barrel	200 (7.87")							
	Taper of barrel	MT 5							
THREADS	Lead screw diameter & pitches	Dia.45mm.Pitch 12mm / Dia.1.77"X2 T.P.I.							
	Range of metric pitches	0.8 ~ 14mm (65 Nos)							
	Range of inch pitches	2-28 T.P.I. (36 Nos)							
	Range of diametral pitches	4-56 D.P. (36 Nos)							
	Range of module pitches	0.5-7M.P. (22 Nos)							
FEEDS	Feed rod diameter	32 (1.26")							
	Range of longitudinal feeds	0.05 ~ 0.7 mm / rev							
	Range of cross feeds	0.025~ 0.35 mm / rev							
MOTOR	Main spindle motor	10HP (7.5kw) OP: 15HP (11.25KW)							
	Coolant pump motor	1/8 HP (0.1kw)							
	Rapid motor	1/4 HP (0.1875 kw)							
MACHINE SIZE	Without back splash guard (LXWXH)	HG-660	2600X1120X1400 (102.36"x44"x55.12")	3100X1120X1400 (122.05"x44"x55.12")	3600X1120X1400 (141.73"x44"x55.12")	4600X1120X1400 (181.1"x44"x55.12")	5600X1120X1400 (220.47"x44"x55.12")	6400X1120X1400 (252"x44"x55.12")	
		HG-760	2600X1120X1450 (102.36"x44"x57.09")	3100X1120X1450 (122.05"x44"x57.09")	3600X1120X1450 (141.73"x44"x57.09")	4600X1120X1450 (181.1"x44"x57.09")	5600X1120X1450 (220.47"x44"x57.09")	6400X1120X1450 (252"x44"x57.09")	
		HG-800	2600X1120X1470 (102.36"x44"x57.87")	3100X1120X1470 (122.05"x44"x57.87")	3600X1120X1470 (141.73"x44"x57.87")	4600X1120X1470 (181.1"x44"x57.87")	5600X1120X1470 (220.47"x44"x57.87")	6400X1120X1470 (252"x44"x57.87")	
		HG-840	2600X1120X1490 (102.36"x44"x58.66")	3100X1120X1490 (122.05"x44"x58.66")	3600X1120X1490 (141.73"x44"x58.66")	4600X1120X1490 (181.1"x44"x58.66")	5600X1120X1490 (220.47"x44"x58.66")	6400X1120X1490 (252"x44"x58.66")	
	The width of machine size with back splash guard : 1240 mm (48.81")								
MEASUREMENT	N.W. / G.W. (approx) Kgs	HG-660	2900 / 2950	3100 / 3200	3300 / 3450	3750 / 3950	4250 / 4450	4700 / 4900	
		HG-760	3100 / 3150	3300 / 3400	3500 / 3650	3950 / 4150	4450 / 4650	4900 / 5100	
		HG-800	3180 / 3230	3380 / 3480	3580 / 3730	4030 / 4230	4530 / 4730	4980 / 5180	
		HG-840	3260 / 3310	3460 / 3560	3660 / 3810	4110 / 4310	4610 / 4810	5060 / 5260	
	Packing size (LxWxH)	HG-660	2800x1150x1800 (110"x46"x71")	3400x1150x1800 (134"x46"x71")	3900x1150x1800 (154"x46"x71")	4900x1150x1800 (193"x46"x71")	5900x1150x1800 (232"x46"x71")	6700x1150x1800 (264"x46"x71")	
		HG-760	2800x1150x1850 (110"x46"x73")	3400x1150x1850 (134"x46"x73")	3900x1150x1850 (154"x46"x73")	4900x1150x1850 (193"x46"x73")	5900x1150x1850 (232"x46"x73")	6700x1150x1850 (264"x46"x73")	
		HG-800	2800x1150x1870 (110"x46"x74")	3400x1150x1870 (134"x46"x74")	3900x1150x1870 (154"x46"x74")	4900x1150x1870 (193"x46"x74")	5900x1150x1870 (232"x46"x74")	6700x1150x1870 (264"x46"x74")	
		HG-840	2800x1150x1890 (110"x46"x75")	3400x1150x1890 (134"x46"x75")	3900x1150x1890 (154"x46"x75")	4900x1150x1890 (193"x46"x75")	5900x1150x1890 (232"x46"x75")	6700x1150x1890 (264"x46"x75")	
	The width of packing size with back splash guard : 1400 mm (55")								
	STANDARD COLOR		Upper part : RAL-7035 light gray + lower part : RAL-5015 blue						

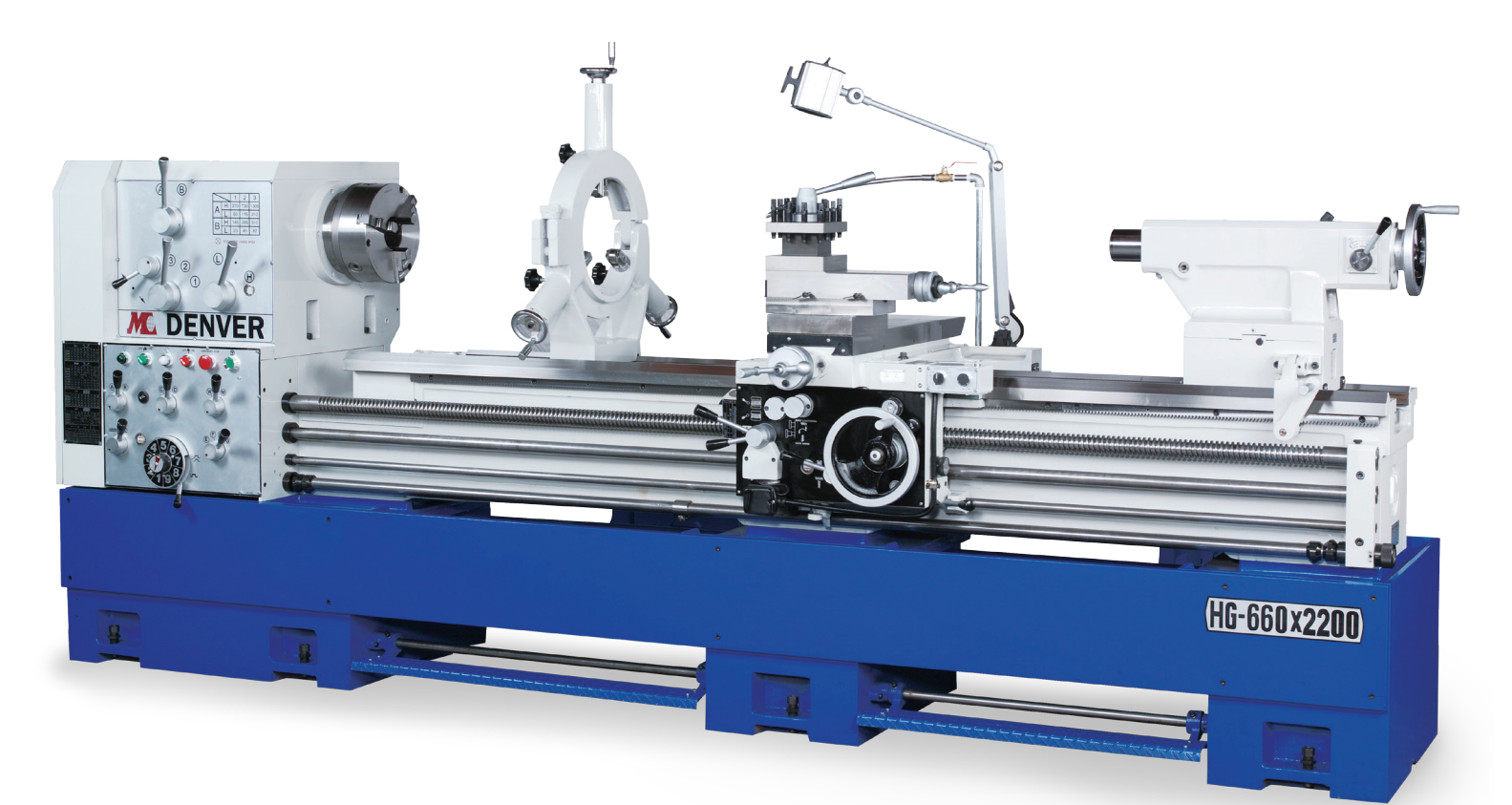
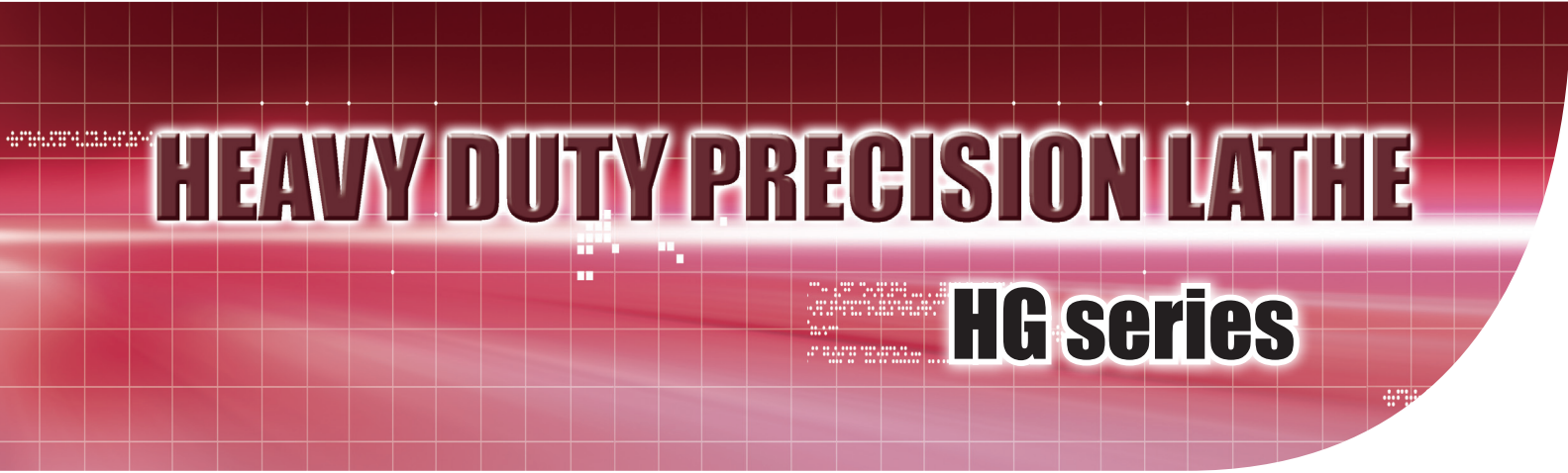
- Except model HG-4200 series standard with straight bed, all above HG lathes are made with gap bed.
- HG-4200 series with gap bed shall be made on request.
- HG-5000-5200 special customized on request.
- We reserve the right to modify and improve our products without notice.
- Welcome to check with us for other specification and special purpose of functions, which is accepted to be customized.

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FEATURES :

This machine is suitable for heavy cutting, easy operation, high tenacity, stability and heavy workload, which are good for heavy turning of mold, gear, wheel, shaft, central spindle etc.

Base

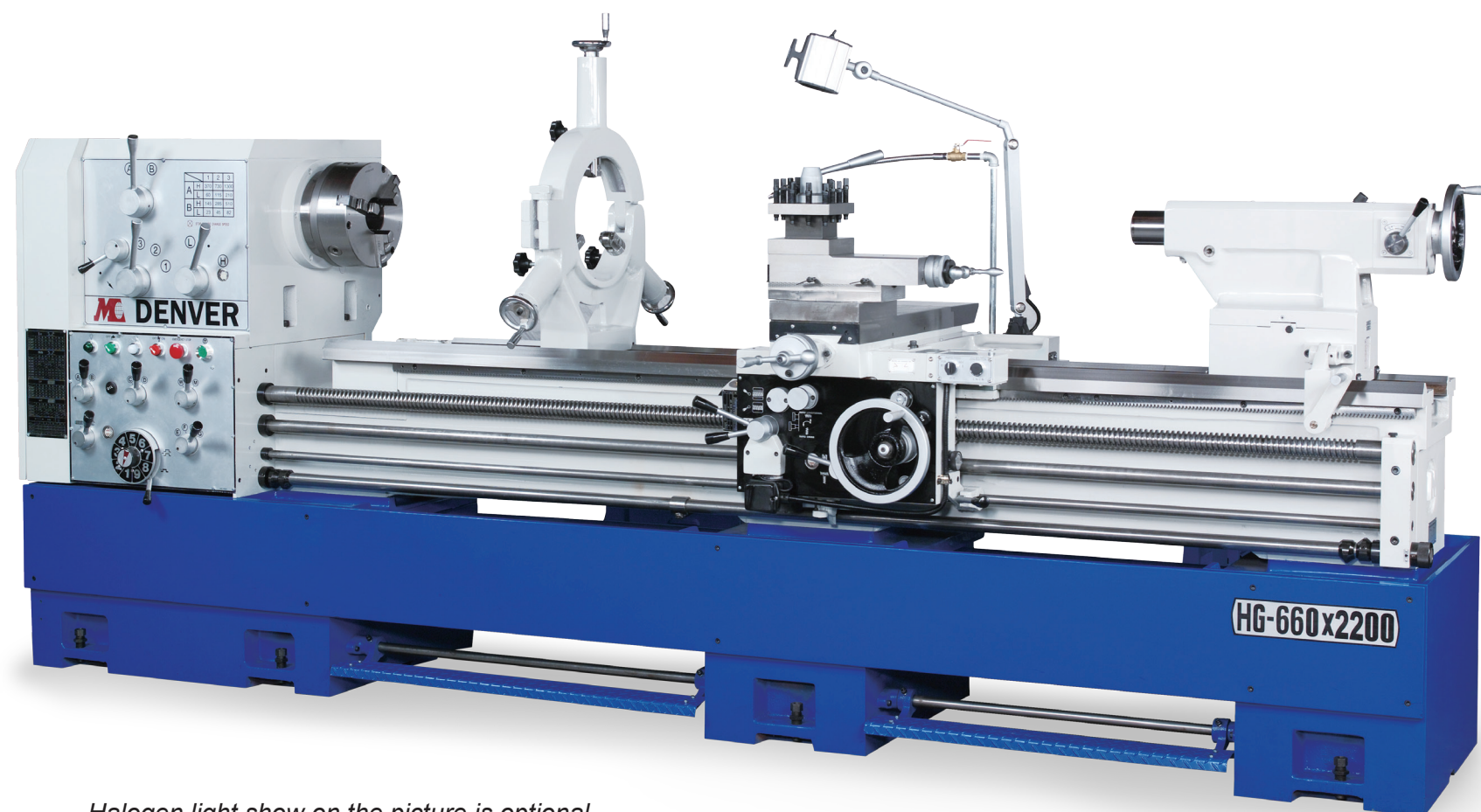
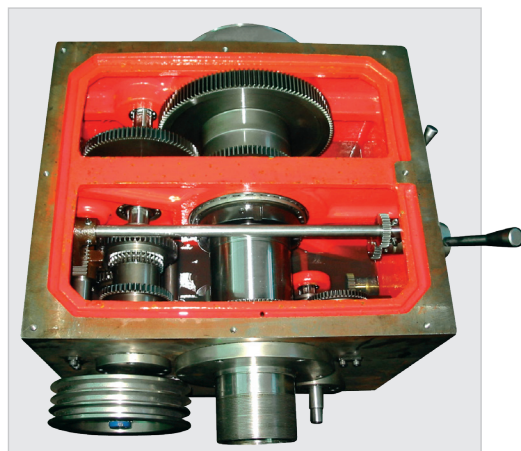
Designed for heavy duty cutting; this base is made of high quality Mechanite casting and design of rigid construction increase the loading capacity and processing stability.

Compound rest

Adopt 4-point tightened the rest to ensure the stability of compound rest. Wider tool post and top slide are induction hardened and ground precisely to promise a long life.

Spindle & headstock

12-step speed change, the spindle is supported by three points with bearings. Gears and spindle are made of high quality alloy carbon treated, spindle bore 80mm or 105mm, precision ground to acquire much superior hardness and tenacity.



Halogen light show on the picture is optional.

photo shown HG-660X2200

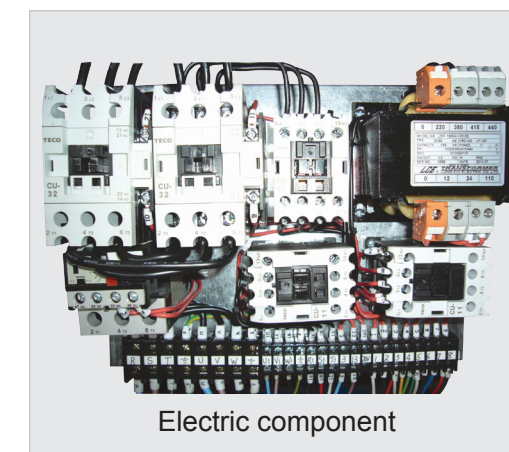
STANDARD ACCESSORIES:

1. X,Z-axes auto lubrication system
2. Metric / Inch gear box
3. Coolant device
4. Longitudinal adjustable position feed stop
5. Tailstock two steps device
6. 3-Jaw scroll chuck 10"
7. Back plate of chuck
8. Steady rest $\phi 11-1/2$ "
9. Center sleeve MT-5
10. Dead center
11. Toolpost screw wrench
12. Level pads
13. Tools & tool & tool box
14. Operation manual
15. Longitudinal & cross rapid feeding
—only for HG-2200,3200,4200

Actual standard accessories shall be subject to quotation sheet.

OPTIONAL ACCESSORIES:

1. Follow rest
2. 4-jaw independent chuck 20", 25"
3. Face plate with 4-jaw 24", 26", 28", 30"
4. Longitudinal & cross rapid feeding
— only for HG-1200,1700
5. Halogen light
6. Digital readout
7. Back splash guard
8. Quick change tool post
(instead of tool post)
(standard or European style)
9. CE equipment
10. Taper turning attachment
11. Grinder
12. Hydraulic copy attachment



Electric component

Gear box

- (1) Adopt metric / inch gearbox for inch, metric, DP, MP, threading and multiple threads, all function is reached without any change gear, wide and complete range of threads and operating easily to improve production efficiency.
- (2) Two T.P.I per inch is available for inch threading, which provide wider threading range than other similar specification of lathe and more convenient for operating.

Carriage & saddle

The contacting surfaces with bedways are pasted with Turcite-B. The slot surface of dovetail slide way has been ultra-frequency heat treated (induction hardened and ground) to promise a long service life.

Apron

Enforced oil feeding device, which ensure the slide ways with proper lubricating, effectively keep high accuracy turning, reduce the wearing of slide ways. Provide safety device to prevent the collision while turning from danger.

Cross slide screw:

Two point support and suitable for heavy duty turning.

Tailstock

Two steps fixed device for tailstock increase the capacity of heavy duty turning and drilling stability.
Two steps feeding device for easy operation.