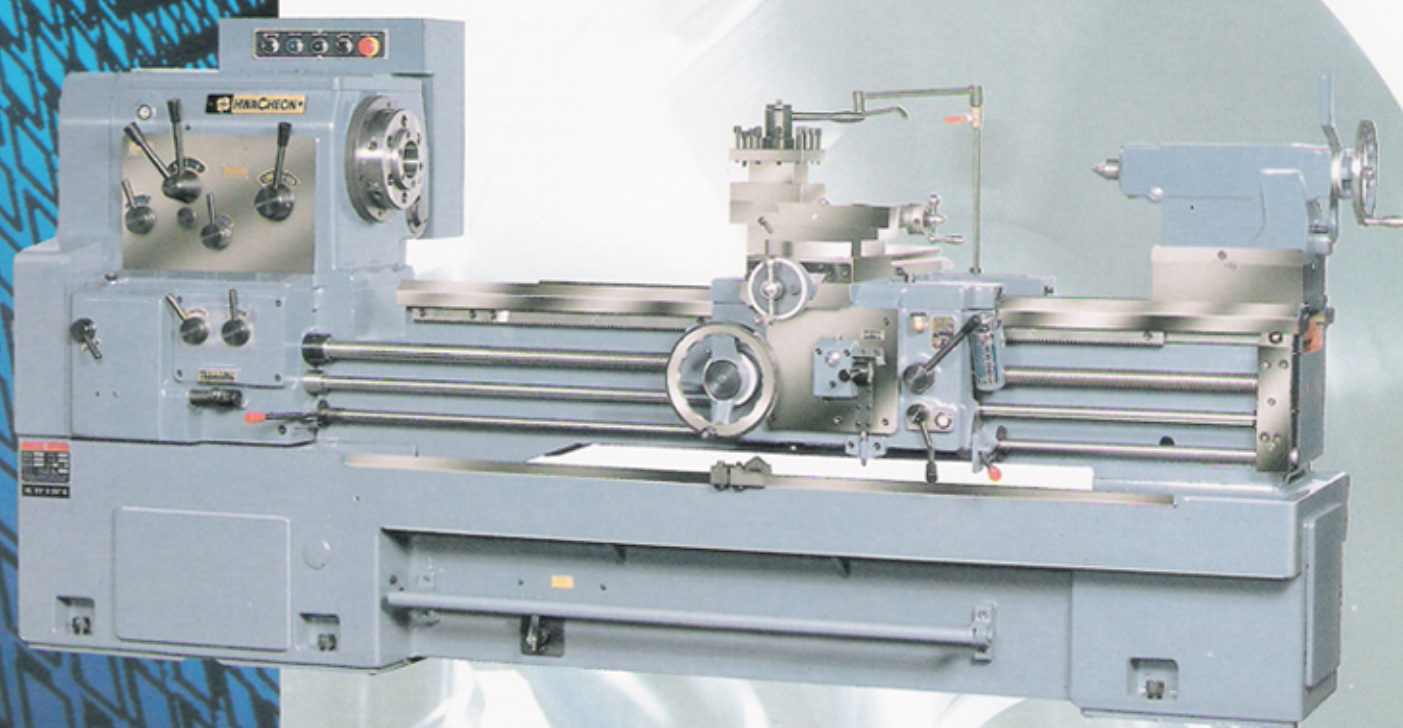


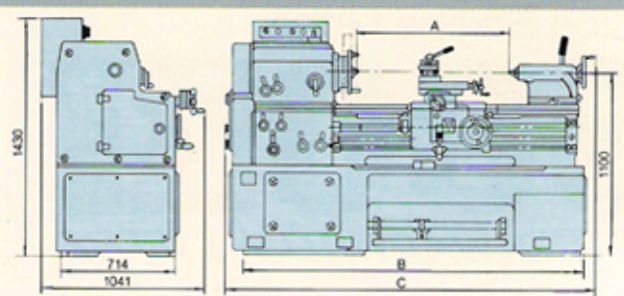
High Speed Precision Engine Lathe

HL-580 23"

HWACHEON LATHE



Dimensions



Unit : mm

	Swing Over Bed	A	B	C
HL-580	580	1500 2000	2887 3387	3050 3550

Standard Equipment

- | | |
|---|--|
| 1. Motor | 11. Worm Gears(Metric System Only)24T, 20T, 19T, 14T |
| 2. Coolant Equipment | 12. Installation Block |
| 3. Driving Plate 300mm(11 3/4") | 13. Tool Box |
| 4. Center Sleeve MT #7 | 14. Grease Pump |
| 5. Dead Center (Cemented Carbide Tip) MT #5 | 15. Oil Gun |
| 6. Face Plate(Gap-Type Only) 450mm(17 3/4") | 16. Box Handle |
| 7. Steady Rest 1.5-6" | 17. Hexagon Handle |
| 8. Carriage Micro Stopper | 18. Spanners |
| 9. Thermal Relay | 19. Screw Driver |
| 10. Change Gear 60T | 20. Part List |
| | 21. Manual |

Optional Equipment

- | | | |
|---------------------|---------------------------|-------------------|
| 1. Rear Tool Post | 3. Rear Splash Guard | 5. Turning Center |
| 2. Taper Attachment | 4. Change Gear(50T, 157T) | |

Features

- Number(12 steps) and range of speeds of this lathe is so created that the most suitable cutting speed may be given to any size of workpiece diameter within the possible range of cutting size, namely, within the range of swing over bed.
- The main spindle is supported at three points by precision bearings and its hole is generously sized.
- Automatic forced lubrication system supplies lubricant to every sliding way and driving mechanism inside the headstock.
- By lubricating device installed inside apron, automatic lubrication is provided between carriage slide ways and bedways.
- The feed mechanism permits positive shift from the normal feeds to the reverse, and vice-versa, by simple operation of the lever on the front face of headstock housing or also the one at the apron.
- An adjustable carriage feed stop dog is provided on bed as well as a positive micrometer stop.
- The machine is equipped with an overload safety device for feeding and thread cutting.
- Taper-cutting attachment and rear toolpost are easily attached by means of carriage grooves of both sides.
- Cross feed screws are always supply a proper quantity of grease more than one time per a week for maintaining smooth travel under maximum accuracy.
- Bed is so designed to prevent torsion, side-wall is double wall and rib type.
- Hardened and ground bedways are made of high tensile cast iron. Produced under the license of U.K Meehanite Know-How.
- Lower portions of bed casting are box-shaped and are full length, forming the legs, chip pan and coolant reservoir.
- The hydraulic disk brake provides safe quick braking of the spindle without generation of heat in the headstock.
- Diameter of tail stock shaft is 75mm and the over all length is hardening and ground. By loosening clamp lever, which keeps higher sliding efficiencies and better wear resistance of carriage.

Specifications

• Unit : inch (mm)

MODEL		60"(1.500)	78.7"(2.000)
Swing	Swing over bed	22 3/4"(580)	
	Swing over bed from face plate	23"(585)	
	Up to 7" in short taper nose	14 11/16"(360)	
	6" in cam lock nose	31 9/10"(810)	
	Swing over cross slide	43 11/16"(1110)	
Distance	Distance from floor to center	11 1/4"(286)	
	Distance from bed to center	60"(1500)	78.7"(2000)
Spindle	Spindle nose	ASA A1-8 or D1-8	
	Spindle bore	3 1/32"(77)	
	Taper of spindle bore	M.T.No.7	
	Taper of center	M.T.No.5	
	Number of spindle speeds	12	
Feeds	Range of spindle speeds(R.P.M.)	28, 52, 67, 93, 126, 165, 225, 312, 400, 558, 765, 1350	
	No. of feed changes(Long & Cross)	40Kinds	
	Range of longitudinal feeds	0.0014~0.0196"(0.036~0.50)/rev. & 0.0028~0.0392"(0.072~1.00)/rev.	
Threads	Range of cross feeds	0.0015~0.0212"(0.037~0.540)/rev. & 0.0029~0.0424"(0.075~1.08)/rev.	
	Lead screw	1 1/2" dia X Acme thread 4 T.P.I. or 6mm pitch	
	Inch threads	80~2 T.P.I.	
	Metric threads	0.25~14mm pitch	
	D.P. threads	112~8	
Tool slide	Module threads	0.5~3.5	
	Cross slide travel	117/8"(300)	
Tail stock	Compound rest travel	65/8"(170)	
	Maximum size cutting tool(X×Y)	1 9/32" × 1 9/32"(32 × 32)	
Bed	Spindle travel	6"(150)	
	Taper of center	M.T.No. 5	
Motor	Width of the bed face	16 1/2"(420)	
	Width of gap(from face plate)	105/8"(270) in short taper nose	
Net weight	Main spindle motor	10HP(7.5kw) 4p or 15HP(11kw) 4p(Optional)	
	Coolant pump	100w 2p	
Floor Space		6440 lbs(2921kg)	7256 lbs(3291kg)
		1025mm × 3155mm	1025mm × 3655mm

貨泉



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