

WinHo


WIN HO Technology Industrial Co.,LTD.

High Speed Precision Lathe
Inverter Transmission Lathe



H igh Speed Precision Lathe

Characteristics

1. Selective bed width:
S series: 300mm.
M series: 350mm.
L series: 400mm.
2. Varied spindle bore diameters:
S series: $\varnothing 58\text{mm}$ / $\varnothing 80\text{mm}$ (Option).
M series: $\varnothing 85\text{mm}$.
L series: $\varnothing 85\text{mm}$ / $\varnothing 120\text{mm}$ (Option).
3. With FAG or SKF precision bearings installed on spindle, maximum cutting depth can be 8mm on 50mm diameter and best roundness 0.003mm (200mm long).
4. Equipped with plastic rear gears, shafts and gears inside headstock are well protected if crash should occur (S series).
5. Thermal treated and precision ground alloy gears.
6. Universal gearbox for both imperial and metric thread-conversion table also attached.
7. Tracks of cross slide and bed are well lubricated with lubrication pump (manual).
8. Overload device to ensure safety when operating.
9. Wear-resistant phosphor bronze lead screw nuts.
10. Durable reservoir oil bath type cross slide (for S series).
11. Thermal treated Meehanite bed casting.
12. One-piece base for high rigidity and low vibration.
13. High-capacity coolant tank offers sufficient coolant output.
14. All series certified for CE. 



Reservoir Oil Bath Type Cross Slide
(S series)



S series (Bed width: 300mm)

SPECIFICATIONS

Specifications	SPECIFICATIONS					
	Model	S430 Series	S480 Series	S530 Series	M560 Series	M660 Series
		S1722, S1730, S1740, S1760, S1780	S1922, S1930, S1940, S1960, S1980	S2122, S2130, S2140, S2160, S2180	M2240, M2260	M2640, M2660
Swing Over Bed		430 mm (17")	470 mm (18-1/2")	520 mm (20-1/2")	560 mm (22")	660 mm (26")
Swing Over Cross Slide		240 mm (9-1/2")	280 mm (11")	330 mm (13")	340 mm (13-1/3")	440 mm (17-1/3")
Center Height		215mm(8-1/2")	235mm(9-1/4")	260mm(10-1/4")	280mm(11")	330mm(13")
Center Distance (mm)		560,760,1000,1500,2000 (22",30",40",60",80")	560,760,1000,1500,2000 (22",30",40",60",80")	560,760,1000,1500,2000 (22",30",40",60",80")	1000,1500 (40", 60")	1000,1500 (40", 60")
Swing Over Gap		650 mm (25-1/2")	690 mm (27-1/8")	740 mm (29-1/8")	788 mm (31")	890 mm (35")
Bed Width		300 mm (11-4/5")			350 mm (13-3/4")	
Spindle Nose		ASA D1 - 6 / D1 - 8 (Opt.)		ASA D1 - 8	ASA D1 - 8	
Spindle Bore		58 mm (2-1/4") / 80 mm (3") (Opt.)		80 mm (3")	85 mm (3-1/3")	
Taper of Spindle Bore		MT 6 / MT 7 (Opt.)		MT 7	MT 7	
Spindle Speed		20~2000 rpm (12 steps)-spindle bore:58mm/ 40~2000mm (12 steps)-spindle bore:80mm			15~1500 rpm (12 steps)	
Inch Threads Range		4~56 TPI			2~56 TPI	
Metric Threads Range		P0.5~P7			P0.5~P14	
Longitudinal Feeds Range		0.05~0.82 mm (0.002~0.032")			0.05~0.82 mm (0.002~0.032")	
Cross Feeds Range		0.02~0.4 mm (0.001~0.0094")			0.02~0.4 mm (0.001~0.0094")	
Leadscrew Diameter		35 mm (1-1/3")			38 mm (1-1/2")	
Leadscrew Pitch		4 TPI or 6 mm			4 TPI or 6 mm	
Taper of Tail Center		MT 4			MT 5	
Tail Spindle Travel		150 mm (5-7/8")			165 mm (6-1/2")	
Tail Spindle Diameter		58 mm (2-1/4")	68 mm (2-2/3")		75 mm (2-7/8")	
Main Drive Motor		5HP (3.75KW) / 7.5HP (5.625KW, Opt.)	7.5HP (5.625KW) / 10HP (7.5KW, Opt.)		7.5HP (5.625KW) / 10HP (7.5KW, Opt.)	
Coolant Pump		1/8HP (0.1 KW)			1/8HP (0.1 KW)	
Compound Rest Travel		125 mm (4-7/8")			200 mm (7-7/8")	
Cross Slide Travel		245 mm (9-2/3")		275 mm (10-4/5")	300 mm (11-4/5")	
Machine Dimensions (cm)		L : 165,189,215,265,317 W : 81 H : 119	L : 165,189,215,265,317 W : 81 H : 122	L : 165,189,215,265,317 W : 81 H : 125	L : 229,298 W : 99 H : 125	L : 229,298 W : 99 H : 130
Packing Dimensions (cm)		L : 182,198,223,279,337 W : 95 H : 162	L : 182,198,223, 279,337 W : 95 H : 162	L : 182,198,223,279,337 W : 95 H : 162	L : 238,290 W : 115 H : 170	L : 238,290 W : 115 H : 170
Net Weight (Kgs)		1500,1680,1760, 2060,2320	1540,1720,1800, 2075,2380	1580,1760,1810, 2135,2440	2000,2400	2250,2450
Gross Weight (Kgs)		1600,1780,1860, 2200,2470	1640,1820,1900, 2225,2530	1680,1860,1910, 2285,2590	2350,2550	2400,2600

*All specifications above are subject to change without notice.

STANDARD ACCESSORIES

- Tool Box 1 pc
- Centers 2 pcs
- Safety pin 1 pc
- Screw wrench for cutter setting 1 pc
- Back plate 1 pc
- Coolant system 1 set
- 4-way tool post 1 set
- Auto-feed slapper ring 1 set
- Center sleeve 1 pc
- Levelling pads 1 set

OPTIONAL ACCESSORIES

- 3-jaw scroll chuck
- 4-jaw independent chuck
- Face plate
- Steady rest
- Follow rest
- Work light
- 4-position carriage stop
- Micro carriage stop
- Live centers
- Rear cutter rest
- Taper turning attachment
- Rear splash guard
- Chuck guard
- American tool post
- Change gears for D.P and module thread
- 5C lever collet closer
- Driving plate
- Quick change tool post
- Digital readouts
- Hydraulic copying machine
- Chip guard
- ID/OD Grinder
- Rapid traverse(L series)

L Series (Bed width: 400mm)

SPECIFICATIONS

Specifications	Model	L560 Series	L660 Series	L760 Series
		L2240, L2260, L2280 L22100, L22120, L22160	L2640, L2660, L2680 L26100, L26120, L26160	L3040, L3060, L3080 L30100, L30120, L30160
Swing Over Bed		560 mm (22')	660 mm (26')	760 mm (30')
Swing Over Cross Slide		340 mm (13-1/3')	440 mm (17-1/3')	540 mm (21-1/4')
Center Height		290mm (11')	330mm (13')	380 mm (15')
Center Distance (mm)		1000, 1500, 2000	1000, 1500, 2000	1000, 1500, 2000
		2500, 3300, 4300 (40°, 60°, 80°, 100°, 132°, 172°)	2500, 3300, 4300 (40°, 60°, 80°, 100°, 132°, 172°)	2500, 3300, 4300 (40°, 60°, 80°, 100°, 132°, 172°)
Swing Over Gap		788 mm (31')	890 mm (35')	990 mm (39')
Bed Width		400 mm (15-3/4')		
Spindle Nose		ASA D1 - 8 / D1 - 11 (Opt.)		ASA D1 - 11
Spindle Bore		85 mm (3-1/3') / 120 mm (4-1/2') (Opt.)		120 mm (4-1/2')
Taper of Spindle Bore		MT 7		
Spindle Speed		15~1500 rpm (12 steps) / 10~1000 rpm (12 steps, Opt.)		10~1000 rpm (12 steps)
Inch Threads Range		2~56TPI		
Metric Threads Range		P0.5~14		
Longitudinal Feeds Range		0.05~0.82 mm (0.002~0.032')		
Cross Feeds Range		0.02~0.4 mm (0.001~0.0094')		
Leadscrew Diameter		38 mm (1-1/2')		
Leadscrew Pitch		4 TPI or 6mm		
Taper of Tail Center		MT 5		
Tail Spindle Travel		165 mm (6-1/2')		
Tail Spindle Diameter		85 mm (3-1/3')		
Main Drive Motor		10HP (7.5 KW) / 10HP (7.5 KW, 6P, Opt.)		10HP (7.5 KW, 6P) / 15HP (11 KW, 6P, Opt.)
Coolant Pump		1/8HP (0.1 KW)		
Compound Rest Travel		200 mm (8')		
Cross Slide Travel		375 mm (14-3/4')		
Machine Dimensions (cm)		L: 238,290,347, 398,473,555 W: 103 H: 126	L: 238,290,347, 398,473,555 W: 103 H: 131	L: 238,290,347, 398,473,555 W: 103 H: 139
	Packing Dimensions (cm)	L: 252,300,361, 426,485,588 W: 115 H: 194	L: 252,300,361, 426,485,588 W: 115 H: 194	L: 252,300,361, 426,485,588 W: 115 H: 194
		Net Weight	2200, 2550, 2900, 3150, 3620, 4830	2280, 2630, 2980, 3230, 3700, 4910
Gross Weight			2300, 2650, 3050, 3300, 3770, 5030	2380, 2730, 3130, 3380, 3850, 5110

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Bearings on the spindle are imported from Germany.

Varied spindle bore diameters:

S series : Ø58mm & Ø80mm(Opt.)

M series : Ø85mm

L series : Ø85mm & Ø120mm(Opt.)

Plastic gear on the rear side of headstock. (Opt.)





Inverter Transmission Lathe



Characteristics

1. Power-saving, stable electric current, and fine cutting trace.
2. Being controlled by a rotary switch, gear shifting is simplified.
3. Stepless speed shifting, any speed in the range is available.
4. Cutting depth reaches 8mm(at 1000rpm)



V Series (Inverter Transmission Lathe) (Bed width: 300mm)

SPECIFICATIONS

Specifications	Model	V430 Series	V480 Series	V530 Series
		V1722, V1730, V1740, V1760, V1780	V1922, V1930, V1940, V1960, V1980	V2122, V2130, V2140, V2160, V2180
Swing Over Bed		430 mm (17")	470 mm (18-1/2")	520 mm (20-1/2")
Swing Over Cross Slide		240 mm (9-1/2")	280 mm (11")	330 mm (13")
Center Height		215mm(8-1/2")	235mm(9-1/4")	260mm(10-1/4")
Center Distance (mm)		560,760,1000,1500,2000 (22",30",40",60",80")	560,760,1000,1500,2000 (22",30",40",60",80")	560,760,1000,1500,2000 (22",30",40",60",80")
Swing Over Gap		650 mm (25-1/2")	690 mm (27-1/8")	740 mm (29-1/8")
Bed Width		300 mm (11-4/5")		
Spindle Nose		ASA D1 - 6 / D1 - 8 (Opt.)		ASA D1 - 8
Spindle Bore		58 mm (2-1/4") / 80 mm (3") (Opt.)		80 mm (3")
Taper of Spindle Bore		MT 6 / MT 7 (Opt.)		MT 7
Spindle Speed		20~2000 rpm (stepless)-spindle bore:58mm/ 40~2000mm (stepless)-spindle bore:78mm		
Inch Threads Range		4~56 TPI		
Metric Threads Range		P0.5~P7		
Longitudinal Feeds Range		0.05~0.82 mm (0.002~0.032")		
Cross Feeds Range		0.02~0.4 mm (0.001~0.0094")		
Leadscrew Diameter		35 mm (1-1/3")		
Leadscrew Pitch		4 TPI or 6 mm		
Taper of Tail Center		MT 4		
Tail Spindle Travel		150 mm (5-7/8")		
Tail Spindle Diameter		58 mm (2-1/4")	ø8 mm (2-2/3")	
Main Drive Motor		7.5HP (5.625KW)		
Coolant Pump		1/8HP (0.1 KW)		
Compound Rest Travel		125 mm (4-7/8")		
Cross Slide Travel		245 mm (9-2/3")		275 mm (10-4/5")
Machine Dimensions (cm)		L : 165,189,215,265,317 W : 81 H : 119	L : 165,189,215,265,317 W : 81 H : 122	L : 165,189,215,265,317 W : 81 H : 125
Packing Dimensions (cm)		L : 182,198,223,279,337 W : 95 H : 162	L : 182,198,223, 279,337 W : 95 H : 162	L : 182,198,223,279,337 W : 95 H : 162
Net Weight (Kgs)		1500,1680,1760,2050,2320	1540,1720,1800, 2075,2380	1580,1760,1810,2135,2440
Gross Weight (Kgs)		1600,1780,1860,2200,2470	1640,1820,1900, 2225,2530	1680,1860,1910,2285,2590

*All specifications above are subject to change without notice.

STANDARD ACCESSORIES

- Tool Box 1 pc
- Centers 2 pcs
- Safety pin 1 pc
- Screw wrench for cutter setting 1 pc
- Back plate 1 pc
- Coolant system 1 set
- 4-way tool post 1 set
- Auto-feed stopper ring 1 set
- Center sleeve 1 pc
- Leveling pads 1 set

OPTIONAL ACCESSORIES

- 3-jaw scroll chuck
- 4-jaw independent chuck
- Face plate
- Steady rest
- Follow rest
- Work light
- 4-position carriage stop
- Micro carriage stop
- Live centers
- Rear cutter rest
- Taper turning attachment
- Rear splash guard
- Chuck guard
- American tool post
- Change gears for D.P and module thread
- 5C lever collet closer
- Driving plate
- Quick change tool post
- Digital readouts
- Hydraulic copying machine
- Chip guard
- ID/OD Grinder

OPTIONAL ACCESSORIES

■ Change Gears for D.P. and Module Thread

■ Taper Turning Attachment

■ Steady Rest

■ Follow Rest

■ Chip Guard

■ Chuck Guard

■ Quick Change Tool Post

■ American Tool Post

■ Rear Cutter Rest

■ 4-position Carriage Stop

■ Micro Carriage Stop

■ Rear Splash Guard

■ Work Light

■ 5C Lever Collet Closer

■ Live Center with Replaceable Inserts

■ Face Plate

■ Driving Plate

■ Rapid Traverse

■ Hydraulic Copying Machine

■ Digital Readout

■ ID/OD Grinder



V 480x1000



S 480x1000



L 560x2000



L 760x1000



L 660x3300



L 760x4300

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