



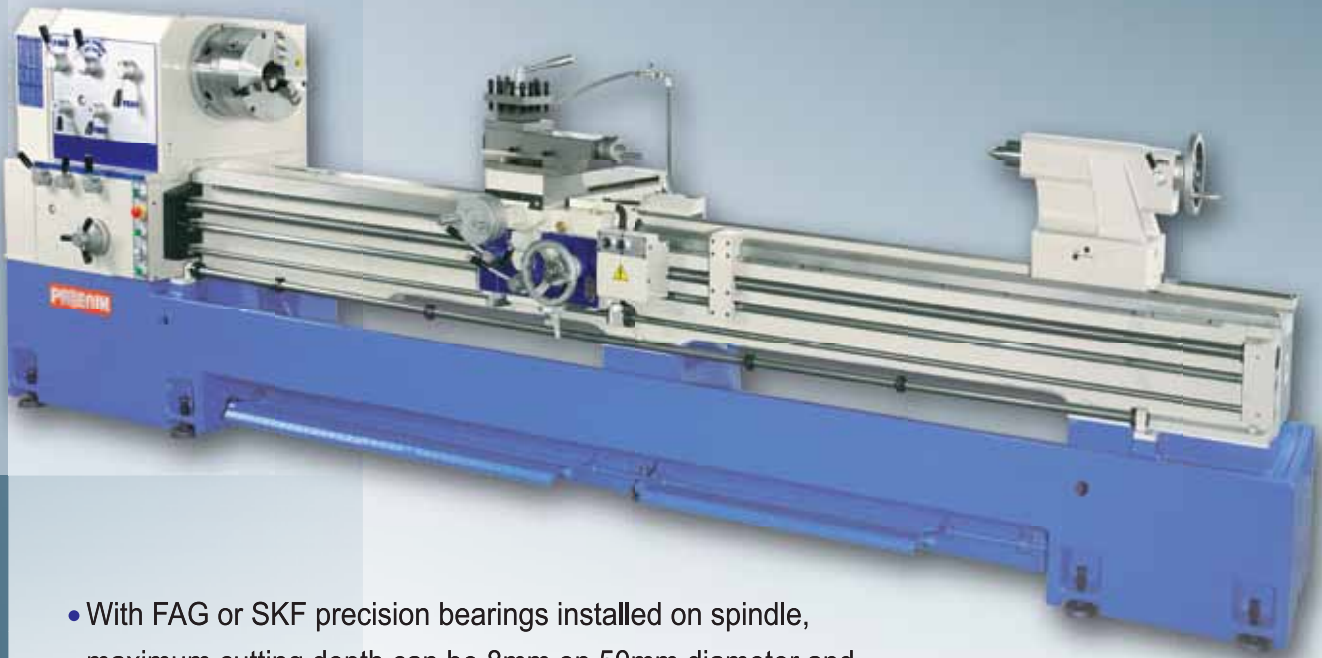
HIGH SPEED PRECISION LATHE

Precision, rigidity and heavy duty



FL-S480x1000





- With FAG or SKF precision bearings installed on spindle, maximum cutting depth can be 8mm on 50mm diameter and best roundness reaching 0.003mm(200mm long).
- Thermal treated and precision ground alloy gears.
- Universal gearbox for both imperial and metric thread-conversion table also attached.
- Overload device to ensure safety when operating.
- Thermal treated Meehanite bed casting.
- One-piece base with high rigidity and low vibration.
- High-capacity coolant tank offers sufficient coolant output.

▲ FL-L660X3300

HIGH SPEED PRECISION INVERTER TRANSMISSION LATHE



- Power-saving, stable electric current, and fine cutting trace.
- Being controlled by a rotary switch, gear shifting is simplified.
- Stepless speed, shifting any speed in the range is available.

▲ FL-V480X1000

SPECIFICATIONS

MODEL	FL-S430		FL-S480		FL-S530		FL-V430		FL-V480		FL-V530	
	560	760	1000	1500	2200	560	760	1000	1500	2200		
Swing over bed	430mm(16-7/8")		470mm(18-1/2")		520mm(20-7/16")		430mm(16-7/8")		470mm(18-1/2")		520mm(20-7/16")	
Swing over cross slide	240mm(9-7/16")		280mm(11")		330mm(12-15/16")		240mm(9-7/16")		280mm(11")		330mm(12-15/16")	
Center height	215mm(8.465")		235mm(9.252")		260mm (10.236")		215mm(8.465")		235mm(9.252")		260mm (10.236")	
Distance between centers	510mm (20")	690mm (27-1/8")	940mm (37")	1440mm (56-5/8")	2200mm (86-1/2")	510mm (20")	690mm (27-1/8")	940mm (37")	1440mm (56-5/8")	2200mm (86-1/2")		
Swing over gap	650mm(25-9/16")		690mm(27-1/8")		740mm(29-1/8")		650mm(25-9/16")		690mm(27-1/8")		740mm(29-1/8")	
Bed width	300mm(11.811")					300mm(11.811")						
Spindle nose	ASA D1-6 / D1-8 (opt.)				ASA D1-8		ASA D1-6 / D1-8 (opt.)				ASA D1 - 8	
Spindle bore	58mm(2.283") / 80mm(3.150")(opt.)				80mm(3.150")		58mm(2.283") / 80mm(3.150")(opt.)				80mm(3.150")	
Taper of spindle bore	MT 6 / MT 7 (opt.)					MT 6 / MT 7 (opt.)						
Spindle speed	20 ~ 2000 r.p.m. (12 steps) - spindle bore : 58mm / 40 ~ 2000 r.p.m. (12 steps) - spindle bore : 80mm					20 ~ 2000 r.p.m. (stepless)						
Inch threads range	4 ~ 56 T.P.I.					4 ~ 56 T.P.I.						
Metric threads range	P 0.5 ~ 7 mm					P 0.5 ~ 7 mm						
Longitudinal feeds range	0.05 ~ 0.82mm (0.002 ~ 0.032")					0.05 ~ 0.82mm (0.002 ~ 0.032")						
Cross feeds range	0.02 ~ 0.4mm (0.001 ~ 0.0094")					0.02 ~ 0.4mm (0.001 ~ 0.0094")						
Leadscrew diameter	35mm (1.378")					35mm (1.378")						
Leadscrew pitch	4 T.P.I. or 6mm					4 T.P.I. or 6mm						
Taper of tailstock center	MT 4					MT 4						
Tailstock quill travel	150mm (5-7/8")					150mm (5-7/8")						
Tailstock quill diameter	58mm (2.283")		68mm (2.677")			58mm (2.283")		68mm (2.677")				
Main drive motor	5HP(3.75KW) / 7.5HP(5.625KW) (opt.)		7.5HP (5.625KW) / 10HP (7.5KW) (opt.)			7.5HP (5.625KW)						
Coolant pump	1/8 HP (0.1KW)					1/8 HP (0.1KW)						
Compound rest travel	125mm (4-7/8")					125mm (4-7/8")						
Cross slide travel	245mm(9-5/8")				275mm(10-13/16")		245mm(9-5/8")				275mm(10-13/16")	
Net weight (kgs)	1500 / 1680 / 1760 / 2050 / 2405		1540 / 1720 / 1800 / 2075 / 2465		1580 / 1760 / 1810 / 2135 / 2525		1500 / 1680 / 1760 / 2050 / 2405		1540 / 1720 / 1800 / 2075 / 2465		1580 / 1760 / 1810 / 2135 / 2525	

• The manufacturer reserves the right to modify the design, specifications, mechanisms...etc. to improve the performance of the machine without prior notice. All the specifications shown above are just for reference.

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 collect closer
- Driving plate
- Quick change tool post
- Digital readouts
- Hydraulic copying machine
- Chip guard
- ID/OD Grinder
- Rapid traverse (L series)

SPECIFICATIONS

MODEL	FL-M560		FL-M660		FL-L560		FL-L660		FL-L760		FL-L830	
	1000	1500	2200	1000	1500	2000	2500	3300	4300			
Swing over bed	560mm(22")		660mm(25-15/16")		560mm(22")		660mm(25-15/16")		760mm(29-7/8")		830mm(32-5/8")	
Swing over cross slide	340mm(13-3/8")		440mm(17-5/16")		340mm(13-3/8")		440mm(17-5/16")		540mm(21-1/4")		610mm(24")	
Center height	280mm(11.024")		330mm(12.992")		280mm(11.024")		330mm(12.992")		380mm(14.960")		415mm(16.339")	
Distance between centers	1000mm (39-3/8")	1500mm (59")	2200mm (86-1/2")	1000mm (39-3/8")	1500mm (59")	1930mm (75-7/8")	2430mm (95-5/8")	3180mm (125-1/8")	4225mm (166-1/4")			
Swing over gap	788mm(31")		890mm(35")		788mm(31")		890mm(35")		990mm(38-15/16")		1060mm(41-11/16")	
Bed width	350mm (13.780")				400mm (15.748")							
Spindle nose	ASA D1 - 8				ASA D1 - 8 / D1 - 11 (opt.)				ASA D1 - 11			
Spindle bore	85mm(3.346")/105mm(4.134")(opt.)				85mm(3.346")/120mm(4.724")(opt.)				120mm (4.724")			
Taper of spindle bore	MT 7				MT 7							
Spindle speed	15 ~ 1500 r.p.m. (12 steps) (ø85mm bore) / 14 ~ 1380 r.p.m. (12 steps) (ø105mm bore)				15 ~ 1500 r.p.m. (12 steps) (ø85mm bore) / 10 ~ 1000 r.p.m. (12 steps) (ø120mm bore)				10 ~ 1000 r.p.m. (12 steps)			
Inch threads range	2 ~ 56 T.P.I.				2 ~ 56 T.P.I.							
Metric threads range	P 0.5 ~ 14 mm				P 0.5 ~ 14 mm							
Longitudinal feeds range	0.05 ~ 0.82mm (0.002~0.032")				0.05 ~ 0.82mm (0.002~0.032")							
Cross feeds range	0.02 ~ 0.4mm (0.001~0.0094")				0.02 ~ 0.4mm (0.001~0.0094")							
Leadscrew diameter	38mm (1.496")				38mm (1.496")							
Leadscrew pitch	4 T.P.I. or 6mm				4 T.P.I. or 6mm							
Taper of tailstock center	MT 5				MT 5							
Tailstock quill travel	165mm (6-1/2")				165mm (6-1/2")							
Tailstock quill diameter	75mm (2.953")				85mm (3.346")							
Main drive motor	7.5HP(5.625KW) / 10HP(7.5KW) (opt.)				10HP (7.5KW) / 15HP/6P (11KW) (opt.)				15HP/6P (11KW)			
Coolant pump	1/8 HP (0.1KW)				1/8 HP (0.1KW)							
Compound rest travel	200mm (7-7/8")				200mm (7-7/8")							
Cross slide travel	300mm (11-13/16")				375mm (14-3/4")							
Net weight (kgs)	2200 / 2400 / 2750		2250 / 2450 / 2800		2200 / 2550 / 2900 3150 / 3650 / 4860		2280 / 2630 / 2980 3230 / 3730 / 4940		2360 / 2710 / 3060 3310 / 3810 / 5020		2410 / 2760 / 3110 3360 / 3860 / 5070	

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STANDARD ACCESSORIES

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



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