

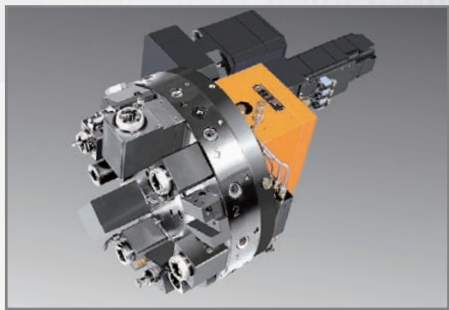
CHOICE OF VARIOUS TURRETS:



8-way electric turret (optional)

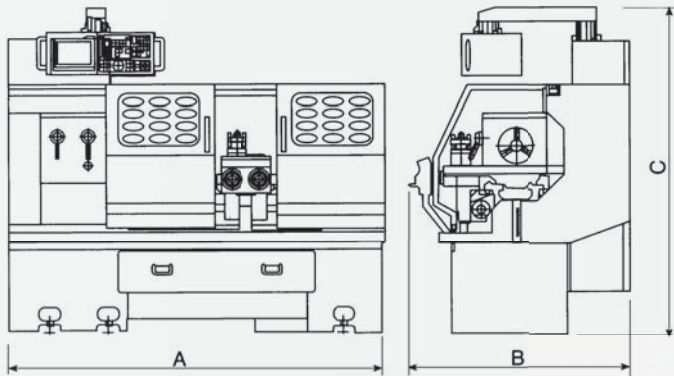


4-way electric turret (optional)



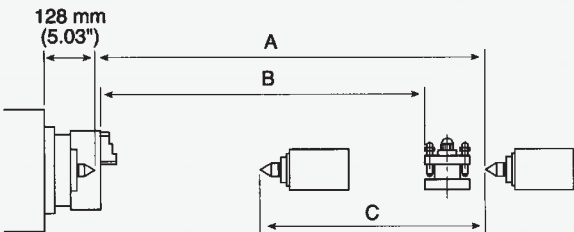
12-way power turret + C-axis (optional)

DIMENSIONAL DRAWING:



Model	A	B	C
PL-1840	2190mm(86.2")	1280mm(50.4")	1900mm(74.8")
PL-1860	2710mm(106.7")	1280mm(50.4")	1900mm(74.8")
PL-2140	2190mm(86.2")	1340mm(52.7")	1935mm(76.2")
PL-2160	2710mm(106.7")	1340mm(52.7")	1935mm(76.2")
PL-2660	3795mm(149.4")	2090mm(82.3")	1920mm(75.6")
PL-2680	4295mm(169.1")	2090mm(82.3")	1920mm(75.6")
PL-26120	5295mm(208.5")	2090mm(82.3")	1920mm(75.6")
PL-3060	3795mm(149.4")	2090mm(82.3")	1920mm(75.6")
PL-3080	4295mm(169.1")	2090mm(82.3")	1920mm(75.6")
PL-30120	5295mm(208.5")	2090mm(82.3")	1920mm(75.6")
PL-3560	5295mm(208.5")	2090mm(82.3")	1920mm(75.6")
PL-3580	5295mm(208.5")	2090mm(82.3")	1920mm(75.6")
PL-35120	5295mm(208.5")	2090mm(82.3")	1920mm(75.6")
PL-35160	6295mm(247.8")	2460mm(96.8")	1920mm(75.6")

TRAVEL RANGE:



Model	A	B	C
PL-1840 / 2140	1000mm(40")	895mm(35.2")	770mm(30.3")
PL-1860 / 2160	1520mm(60")	1415mm(55.7")	1290mm(50.7")
PL-2660 / 3060	1520mm(60")	1380mm(54.3")	1350mm(53.1")
PL-2680 / 3080	2030mm(80")	1890mm(74.4")	1860mm(73.2")
PL-26120 / 30120	3050mm(120")	2910mm(114.6")	2880mm(113.4")
PL-3560 / 3560B	1528mm(60")	1380mm(54.3")	1250mm(49.2")
PL-3580 / 3580B	2030mm(80")	1890mm(74.4")	1860mm(73.2")
PL-35120 / 35120B	3050mm(120")	2910mm(114.6")	2880mm(113.4")
PL-35160 / 35160B	4050mm(159.4")	3910mm(154")	3880mm(152.7")

Precision CNC Lathes

PL series

Heavy Duty CNC Lathes
For the production in mind



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PRIMERO PRIMERO MACHINE TOOLS CORP.

Precision CNC Lathes

**High Precision !
Performance Proven !**



Model: PL-1840
PL-1860
PL-2140
PL-2160



Model: PL-2660 PL-3060
PL-2680 PL-3080
PL-26120 PL-30120

**Designed for High Efficiency
Turning Operations !**

Machine Features

1. Flat bed construction.
2. **BED:** The bed is manufactured from high quality cast iron (FC30) with stress relieved.
3. **SPINDLE SPEED:** Four ranges of spindle speeds.
4. **GEAR DRIVE:**
The spindle is driven by a gearbox for powerful torque output.
5. **CHUCK:**
ø10" manual chuck and hydraulic are optional.
6. **TAILSTOCK:** • Manual tailstock (standard).
• Hydraulic tailstock (optional).

7. **TURRET:** • 4-way manual turret (standard)
• 4-way electric turret (optional)
• 8-way electric turret (optional)
• 2-way quick change turret (optional)
8. **CNC CONTROL:** • Fagor 8055TC (standard)
• Fagor 8055iTC (optional)
• Fanuc (optional)
9. **MPG HANDWHEELS:**
Two MPG handwheels allow for tool setup and manual operation.
10. **SPLASH GUARD:**
• Semi-enclosed splash guard (standard)
• Fully enclosed splash guard (optional)

Machine Features

1. Flat bed construction.
2. **BED:** The bed is manufactured from high quality cast iron (FC30) with stress relieved.
3. **SPINDLE SPEED:** Four ranges of spindle speeds.
4. **GEAR DRIVE:**
The spindle is driven by a gearbox for powerful torque output.
5. Oil cooler for gearbox is optional
6. **CHUCK:**
ø15" or ø18" hydraulic chuck is optional.
7. **TAILSTOCK:**
Manual tailstock is standard. Electric tailstock movement and hydraulic quill travel are optional.
8. **TURRET:** • 4-way manual turret (standard)
• 4-way electric turret (optional)
• 8-way electric turret (optional)
• 12-way power turret + C-axis (optional)

9. **CNC CONTROL:** • Choice of Fagor 8055i or 8055TC (standard)
• Fagor 8055iTC (optional)
• Fanuc oi-TD (optional)
10. **SPLASH GUARD:**
• Semi-enclosed splash guard (standard)
• Fully enclosed splash guard (optional)
11. Heat exchanger for electric cabinet is optional.



Precision CNC Lathes



Model: PL-3560 PL-3560B
PL-3580 PL-3580B
PL-35120 PL-35120B
PL-35160 PL-35160B

**Heavy Duty !
Rugged Construction Throughout !**

Machine Features

1. Flat bed construction.
2. **BED:** The bed is manufactured from high quality cast iron (FC30) with stress relieved.
3. **SPINDLE SPEED:** Four ranges of spindle speeds.
4. **GEAR DRIVE:**
The spindle is driven by a gearbox for powerful torque output.
5. Oil cooler for gearbox is optional
6. **CHUCK:**
ø15", ø18", ø20", ø24" hydraulic chuck are optional.
7. **TAILSTOCK:**
Manual tailstock is standard. Electric tailstock movement and hydraulic quill travel are optional.
8. **TURRET:** • 4-way electric turret (optional)
• 8-way electric turret (optional)
• 12-way power turret + C-axis (optional)
• VDI 8-way hydraulic turret (optional)
9. **CNC CONTROL:** • Choice of Fagor 8055i or 8055TC (standard)
• Fanuc Oi-TD (optional)
10. **SPLASH GUARD:**
• Semi-enclosed splash guard (standard)
• Fully enclosed splash guard (optional)
11. High pressure coolant system is optional.



Specifications - PL series

		PL-1840 PL-1860	PL-2140 PL-2160	PL-2660/PL-2680 PL-26120	PL-3060/PL-3080 PL-30120	PL-3560/PL-3580 PL-35120/PL-35160	PL-3560B/PL-3580B PL-35120B/PL-35160B
Capacity	Swing over bed	Ø460 mm (18")	Ø530 mm (20.9")	Ø660 mm (26")	Ø770 mm (30.3")	Ø900 mm (35.4")	Ø900 mm (35.4")
	Swing over cross slide	Ø240 mm (9.4")	Ø300 mm (11.8")	Ø360 mm (14.5")	Ø470 mm (18.9")	Ø600 mm (23.6")	Ø600 mm (23.6")
	Center height	Ø230 mm (9")	Ø265 mm (10.4")	Ø330 mm (13")	Ø385 mm (15")	Ø450 mm (17")	Ø450 mm (17")
	Distance between centers	1000 mm (40") / 1520mm (60")		1500 mm (60") / 2000 mm (80") / 3000 mm (120")		1500 mm(60")/ 2000 mm(80")/ 3000 mm(120")/ 4000 mm(160")	
Bed	Width of bed	350 mm (13.8")	350 mm (13.8")	480 mm (18.9")	480 mm (18.9")	480 mm (18.9")	480 mm (18.9")
Spindle	Spindle speeds-4 steps	H1: 961~2500 rpm H2: 341~960 rpm L1: 131~340 rpm L2: 50~130 rpm	H1: 621~1600 rpm H2: 241~620 rpm L1: 91~240 rpm L2: 35~90 rpm	H1: 541~1200 rpm H2: 166~540 rpm L1: 76~165 rpm L2: 25~75 rpm	H1: 541~1200 rpm H2: 166~540 rpm L1: 76~165 rpm L2: 25~75 rpm	H1: 387~860 rpm H2: 119~386 rpm L1: 54~118 rpm L2: 25~53 rpm	H1: 261~600 rpm / 312~720(opt) H2: 111~260 rpm / 133~312(opt) L1: 51~110 rpm / 61~132(opt) L2: 15~50 rpm / 18~60(opt)
	Spindle nose	A16 D16	A18 D18	A111 D111	A111 D111	A211	A215
	Spindle bore	Ø52 mm (2")	Ø80 mm (3.2")	Ø104 mm (4.1")	Ø104 mm (4.1")	Ø155 mm (6.1")	Ø230 mm (9")
	Chuck size	8"	10"	15"	15"	15" / 18"	20" / 24"
Travel	Longitudinal working stroke-Z axis	895 mm (35.2") / 1415 mm (55.7")		1500 mm (60") / 2000 mm (80") / 3000 mm (120")		1500 mm(60")/ 2000 mm(80")/ 3000 mm(120")/ 4000 mm(160")	
	Cross slide working stroke-X axis	280 mm (11")	300 mm (11.8")	400 mm (15.7")	400 mm (15.7")	400 mm (15.7")	400 mm (15.7")
	Top-slide width	115 mm (4.5")	125 mm (4.9")	140 mm (5.5")	140 mm (5.5")	140 mm (5.5")	140 mm (5.5")
Turret	Size of toolpost shank	25x25 mm (1"x1")	25x25 mm (1"x1")	32x32 mm (1.3"x1.3")	32x32 mm (1.3"x1.3")	32x32 mm (1.3"x1.3")	32x32 mm (1.3"x1.3")
Tailstock	Tailstock diameter	Ø65 mm (2-1/2")	Ø65 mm (2-1/2")	Ø105 mm (4.1")	Ø105 mm (4.1")	Ø105 mm (4.1")	Ø105 mm (4.1")
	Tailstock travel	150 mm (6")	150 mm (6")	150 mm (6")	150 mm (6")	150 mm (6")	150 mm (6")
	Tailstock taper	MT 4 / MT 5	MT 4 / MT 5	MT 5 / MT 6	MT 5 / MT 6	MT 6	MT 6
Servo motor	Spindle motor	7-1/2 HP, 10 HP (opt)	10 HP, 15 HP (opt)	20 HP, 25 HP (opt)	20 HP, 25 HP (opt)	25 HP / 30 HP (opt)	25 HP / 30 HP (opt)
	Drives (X, Y)	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo
	Rapid traverse X/Z	5/10 m/min (200/400 ipm)	5/10 m/min (200/400 ipm)	5/10 m/min (200/400 ipm)	5/10 m/min (200/400 ipm)	5/10 m/min (200/400 ipm)	5/10 m/min (200/400 ipm)
	Range of feeds in manual mode	0.01~500 mm/rev 0.0004~19.68 in./rev	0.01~500 mm/rev 0.0004~19.68 in./rev	0.01~500 mm/rev 0.0004~19.68 in./rev	0.01~500 mm/rev 0.0004~19.68 in./rev	0.01~500 mm/rev 0.0004~19.68 in./rev	0.01~500 mm/rev 0.0004~19.68 in./rev
Motor	Coolant pump motor	1/8 HP	1/8 HP	1/4 HP	1/4 HP	1/4 HP	1/4 HP, TPH2T (opt)
Dimension	Machine weight	2270 / 2724 Kg (5000 / 6000 Lbs)	3000 / 3500 Kg (6600 / 7700 Lbs)	5000 / 5500 / 6500 Kg (11000 / 12100 / 14300 Lbs)	5200 / 5700 / 6700 Kg (11440 / 12540 / 14740 Lbs)	5400/6100/7100/8400 Kg (12320/13200/15620/18480 Lbs)	7000/7700/8500/9700 Kg (15400/16940/18700/21340 Lbs)
	Packing measurement app. mm(inch)	1840: 2280x1450x2200 (90x56.3x87)	2140: 2280x1500x2240 (90x59.6x89.6)	2660: 3985x2240x2220 (157x88x87.4)	3060: 3985x2240x2220 (157x88x87.4)	3560: 3985x2240x2220 (157x88x87.4)	3560B: 4200x2400x2440 (165.3x99.4x96)
		1860: 2900x1450x2200 (114x56.3x87)	2160: 2900x1500x2240 (114x59.6x89.6)	2680: 4485x2240x2220 (176.6x88x87.4) 26120: 5485x2240x2220 (216x88x87.4)	3080: 4485x2240x2220 (176.6x88x87.4) 30120: 5485x2240x2220 (216x88x87.4)	3580: 4485x2240x2220 (176.6x88x87.4) 35120: 5485x2240x2220 (216x88x87.4) 35160: 6485x2240x2220 (255x88x87.4)	3580B: 4700x2240x2270 (185x88x89.3) 35120B: 5700x2240x2270 (224.4x88x89.3) 35160B: 6700x2240x2270 (263.8x88x89.3)

Note: The manufacyurer reserves the right to modify the design, specifications, mechanisms....etc. to improve the performance of the machine without notice , all the specifications shown above are juist for reference.