

PRECISION IN MOTION, INNOVATION IN DESIGN



Performance Plus
Horizontal Lathe

Key Features

- High-Performance Spindle
- Servo Turret with Live Tooling
- Rigid Bed Structure
- Slant Bed with Monoblock Design
- Excellent Chip Management

Industries

-  Automotive
-  Aerospace
-  General Engineering
-  Medical & more...

Technical Specification

Description		Unit	PHL2100+	PHL2100M+	PHL2100Y+	PHL2100L+	PHL2100LM+	PHL2500+	PHL2500L+
Capacity	Max.Swing Over Bed	mm	500	500	610	600	600	630	630
	Max.Turning Length	mm	500	500	550	1000	1000	1000	1500
	Max.Turning Dia.	mm	400	300	400	400	300	500	500
	Chuck Size	inch	8	8	8	8	8	10	10
Spindle	Spindle Nose	type	A2-6	A2-6	A2-6	A2-6	A2-6	A2-8	A2-8
	Bar Capacity	mm	50	50	50	50	50	65	65
	Spindle Bore	mm	65	65	65	65	65	80	80
	Spindle Speed Range	r/min	4500	4500	4500	4500	4500	3500	3500
	Spindle Power	kw	11 / 15	11 / 15	11 / 15	11 / 15	11 / 15	15 / 18.5	15 / 18.5
	Max Spindle Torque	nm	240	240	286.5	240	240	424	424
X&Z Axes	Travel (X / Y / Z Axis)	mm	200 / - / 560	200 / - / 560	240 / ±55 / 550	210 / - / 1060	210 / - / 1060	280 / - / 1070	280 / - / 1570
	Rapid Traverse Rate (X / Z)	m/min	30 / - / 30	30 / - / 30	30 / 10 / 30	30 / - / 30	30 / - / 30	30 / - / 30	30 / - / 30
Tailstock	Tailstock Travel	mm	400	400	428	850	850	850	1200
	Spindle Taper	MT	5	5	5	5	5	5	5
Turret	Tool Turret	nos.	Servo, 12 station	BMT45, 12 station	BMT55, 12 station	Servo, 12 station	BMT55, 12 station	Servo, 12 station	Servo, 12 station
	Live Tool Spindle Speed	rpm	-	4000	4000	-	4000	-	-
	Live Tool Power	kw	-	3.5	3.5	-	3.5	-	-
	Max Live Tool Torque	nm	-	45	45	-	45	-	-
	Od Tool Shank Size	mm	25 X 25	20 X 20	25 X 25	25 X 25	25 X 25	25 X 25	25 X 25
	Boring Blade Dia.	mm	40	32	40	40	40	40	40
	Radom Tool Selection	type	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Accuracy	Positioning (X / Z)	mm	0.008	0.008	0.008	0.01	0.01	0.01 / 0.015	0.01 / 0.015
	Repeatability	mm	0.004	0.004	0.004	0.005	0.005	0.005 / 0.007	0.005 / 0.007
Coolant	Coolant Pressure	bar	3	3	3	3	3	3	3
	Coolant Tank Capacity	lts	140	140	200	240	200	240	240
Machine	Machine Dimension	mm	2275 x 1625 x 1825	2275 x 1625 x 1825	2950 x 1700 x 1865	3650 x 1880 x 1865	3650 x 1880 x 1865	4400 x 2200 x 2150	4500 x 2250 x 2250
	Machine Weight	kg	3650	3650	5000	5000	5000	7500	9000

*Technical specifications and optional items may be subject to change without prior notice.

Standard Accessories

- Fanuc Controller Oi-TF Plus
 - Hollow Chuck & Cylinder
 - 12 Station Bi-directional Servo Turret
 - AC Spindle & Servo Drives
 - One Set of Soft Jaws
 - Manual Tailstock with Hydraulically Actuated Quill
 - Revolving Center MT-5
 - Panel AC
 - Electronic Hand Wheel (MPG)
 - Absolute Encoders for X & Z axis
 - Auto Lubrication
 - Coolant Pump 3 Bar
- Coolant Tank with Chip Tray and Splashguard
 - Leveling Pads
 - Machine Lamp
 - 3 Tier Lamp
 - Manuals
 - Base Plate Packing



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