

EFFORTLESSLY DELIVERING PRECISION, RELENTLESSLY HOLDING RIGIDITY



Performance
Horizontal Lathe

Key Features

- High- Speed & Precision
- Powerful Spindle
- Kitagawa Chuck & Cylinder
- Hard Part Turning Capability
- User-Friendly Control System

Industries

-  Automotive
-  Aerospace
-  General Engineering
-  Medical & More

Technical Specification

	Item	Unit	PHL1600	PHL2000	PHL2100	PHL2500	PHL2500L	PHL2500XL
Capacity	Max.Swing Over Bed	mm	400	490	500	600	600	600
	Max.Turning Length	mm	300	420	540	850	1200	1950
	Max.Turning Dia.	mm	260	300	400	450	450	450
	Chuck Size	inch	6	8	8	10	10	10
Spindle	Spindle Nose	type	A2-5	A2-6	A2-6	A2-8	A2-8	A2-8
	Bar Capacity	mm	42	52	52	75	75	75
	Spindle Bore	mm	52	65	65	86	86	86
	Spindle Speed Range	r/min	4500	3500	3500	2500	2500	2500
	Spindle Power	kw	7.5 / 11	11 / 15	11 / 15	15 / 18.5	15 / 18.5	15 / 18.5
	Max Spindle Torque	nm	103.6	140	191	350	350	350
X&Z Axes	Travel (X / Z Axis)	mm	145 / 320	175 / 460	230 / 575	240 / 900	240 / 1250	240 / 2000
	Rapid Traverse Rate (X / Z)	m/min	30 / 30	30 / 30	30 / 30	20 / 20	20 / 20	20 / 20
Tailstock	Tailstock Travel	mm	160	350	370	800	1145	1900
	Spindle Taper	MT	4	4	4	5	5	5
Turret	Tool Turret	nos.	8	12	12	12	12	12
	Od Tool Shank Size	mm	20 X 20	20 X 20	25 X 25	25 X 25	25 X 25	25 X 25
	Boring Blade Dia.	mm	32	32	40	40	40	40
	Radom Tool Selection	type	Bi-Directional	Bi-Directional	Bi-Directional	Bi-Directional	Bi-Directional	Bi-Directional
Coolant	Coolant Pressure	bar	3	3	3	3	3	3
	Coolant Tank Capacity	lts	140	120	140	160	160	160
Machine	Machine Dimension	mm	2200 x 1430 x 1650	2500 x 1750 x 1600	3620 x 2800 x 1750	3320 x 2276 x 1861	3895 x 2326 x 1861	4200 x 2100 x 1800
	Machine Weight	kg	2400	3650	3800	5800	6350	6800
Controller	10.4 inch Screen	model	Fanuc OiTF Plus	Fanuc OiTF Plus	Fanuc OiTF Plus	Fanuc OiTF Plus	Fanuc OiTF Plus	Fanuc OiTF Plus

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

Standard Accessories

- Fanuc Controller Oi-TF Plus
- Kitagawa Hollow Chuck & Cylinder
- 8 / 12 Station Bi-directional Drum Turret
- AC Spindle & Servo Drives
- One Set of Soft Jaws
- Manual Tailstock with Hydraulically Actuated Quill
- Revolving Center MT-4
- 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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