

BOX GUIDE BRILLIANCE FOR EVERY TURN



Performance
Verticle
Turning Center

Key Features

- High-Rigidity Structural Design
- Rigid Box Guideways
- Excellent Chip Disposal System
- High Accuracy & Repeatability
- FEA-Optimized Structure

Industries

-  Aerospace
-  Oil and Gas
-  Automotive
-  Heavy Engineering

Technical Specification

Description		Unit	PVT 500	PVT 800
Capacity	Max.Swing Over Bed	mm	Ø 610	Ø 920
	Max.Turning Dia.	mm	Ø 500	Ø 830
	Max.Turning Length	mm	460	780
	Chuck Size	inch	12 (15)	15 (18,21,24)
Spindle	Spindle Nose	type	A2-8	A2-11
	Spindle Power	kw	15/18.5	15/18.5
	Spindle Drive Type	type	Belt	Gear Box
	Spindle Speed	rpm	3000	1300
	Max. Spindle Torque	nm	382	1416
Feed	X / Z Axis Travel	mm	270 / 485	490 / 785
	Rapid Traverse Rate(X/Z)	m/min	16 / 16	16 / 16
	Guideways	type	Box	Box
Turret	Tool Capacity	nos.	12	8
	Od Tool Shank Size	mm	25 X 25	32 X 32
	Boring Tool Holder Dia.	mm	Ø 50	Ø 60
	Turret Index Time	sec	0.65	1.2
Accuracy	X/Z Positioning Accuracy	mm	0.01/0.02	0.01 / 0.02
	X/Z Repeatablity Accuracy	mm	0.004 / 0.006	0.004 / 0.006
Power Supply	Air Consumption	bar	6-8	6-8
	Electric Power Supply	kva	30	37
	Power Requirment	v/hz	380V±10% 50Hz	380V±10% 50Hz
Machine	Machine Dimension	mm	1500 X 2265 X 3210	2020 X 3200 X 3640
	Machine Weight	kg	6000	9500

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

Standard Accessories

- Fanuc Oi-TF Plus CNC System
- AC Spindle & Servo Drives
- 8/12 Station Bi-directional Servo Turret
- 12 / 15inch Hyd. Chuck & Cylinder
- One set of Soft Jaws
- Turret Holders
- Manual Pulse Generator (Electronic Hand Wheel)
- High Precision Box Guideways for both axis
- Absolute Encoders for X & Z axis
- Ball Screws for X & Z axis
- Hydraulic Power Pack with Motor, Pump & Controls
- Coolant Pump 3 Bar Pressure
- Coolant Tank with Chip Tray and Splashguard
- Panel AC
- Leveling Pads

- Machine Light
- 3 Tier Lamp
- Centralized Automatic Lubrication Unit
- Manuals
- Base Plate Packing



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