

MAXIMIZE PRECISION, BOOST PRODUCTIVITY



Performance
Vertical Machining
Center

Key Features

- Heavy Duty
- Thermal Compensation
- High Rigid Structure
- Advanced Control System
- Efficient Chip Management System

Industries

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

Technical Specification

Description		Unit	PVM 1060	PVM 1160	PVM 1270
Table	Table Size	mm	1200 X 600	1300 X 600	1400 X 700
	Max. Load Capacity	kg	800	1000	1200
	T-Slots	mm	5 X 18 - 100	5 X 18 - 100	5 x 18 - 125
	Dist. Table Surface to Spindle	mm	110 - 740	110 - 740	150 - 850
Spindle	Spindle Taper	type	BT 50 [BBT 50]	BT 50 [BBT 50]	BT 50 [BBT 50]
	Spindle Speed	rpm	6000	6000	6000
	Spindle Driving Method	type	Belt [Gearbox]	Belt [Gearbox]	Belt [Gearbox]
	Main Spindle Power Output	kw	15 / 18.5	15 / 18.5	15 / 18.5
	Max. Spindle Torque	nm	236nm @ 1000	236nm @ 1000	236nm @ 1000
Feed	Travel (X/Y/Z)	mm	1000 X 620 X 630	1100 X 620 X 630	1200 X 700 X 700
	Rapid Rate (X/Y/Z)	m/min	36 / 36 / 32	36 / 36 / 32	24 / 24 / 20
	Feed Rate (X/Y/Z)	m/min	12	12	10
	Guideways	type	Roller	Roller	Roller
ATC	Number of Tools	nos.	24 (30)	24 (30)	24 (30)
	Max. Tool Dia. (W.T / W.O)	mm	Ø110 / Ø220	Ø110 / Ø220	Ø110 / Ø220
	Max. Tool Length	mm	350	350	350
	Max. Tool Weight	kg	15	15	15
	Tool Change Time	sec	3.5	3.5	3.5
Accuracy	Positioning	mm	0.008	0.008	0.01
	Repeatability	mm	0.004	0.004	0.005
Power Supply	Air Consumption	bar	6-8	6-8	6-8
	Electric Power Supply	kva	20	20	35
	Voltage	v/hz	380v±10% 50hz	380v±10% 50hz	380v±10% 50hz
Machine	Machine Dimensions	mm	2850 X 2500 X 2850	3404 X 2679 X 2850	4550 x 2965 x 3360
	Machine Weight	kg	6800	7000	9700

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

PVM 1470	PVM 1580	PVM 1780	PVM 1890	PVM 2090
1600 X 700	1700 X 800	1900 X 800	2000 X 900	2000 X 900
1200	1500	1500	1800	1850
5 x 18 - 125	5 x 22 - 160	5 x 22 - 160	7 X 18 - 125	7 X 18 - 125
150 - 850	180 - 980	180 - 980	95 - 995	95 - 995
BT 50 [BBT 50]	BT 50 [BBT 50]	BT 50 [BBT 50]	BT 50 [BBT 50]	BT 50 [BBT 50]
6000	6000	6000	6000	6000
Belt [Gearbox]	Belt [Gearbox]	Belt [Gearbox]	Belt [Gearbox]	Belt [Gearbox]
15 / 18.5	15 / 18.5	15 / 18.5	15 / 18.5	15 / 18.5
236nm @ 1000	236nm @ 1000	236nm @ 1000	236nm @ 1000	236nm @ 1000
1400 X 700 X 700	1500 X 800 X 800	1700 X 800 X 800	1800 X 900 X 900	2000 X 900 X 900
24 / 24 / 20	24 / 24 / 24	24 / 24 / 24	24 / 24 / 15	24 / 24 / 15
10	10	10	10	10
Roller	Roller (X / Y) / Box (Z)	Roller (X / Y) / Box (Z)	Roller (X / Y) / Box (Z)	Roller (X / Y) / Box (Z)
24 (30)	24 (30)	24 (30)	24 (30)	24 (30)
Ø110 / Ø220	Ø110 / Ø220	Ø110 / Ø220	Ø110 / Ø220	Ø110 / Ø220
350	350	350	350	350
15	18	18	18	18
3.5	4.5	4.5	4.5	4.5
0.01	0.016	0.016	0.016	0.016
0.005	0.008	0.008	0.008	0.008
6-8	6-8	6-8	6-8	6-8
35	35	35	35	35
380v±10% 50hz	380v±10% 50hz	380v±10% 50hz	380v±10% 50hz	380v±10% 50hz
5050 x 2965 x 3360	5300 X 3250 X 3560	5500 X 3250 X 3560	6200 X 3250 X 3500	6200 X 3490 X 3880
10000	16000	16500	17000	17000

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Standard Accessories

- Spindle Speed 6,000 RPM Belt Drive
- ATC 24 Tools
- Pretensioned Ballscrew on X/Y/Z axes
- Manual Pulse Generator
- Rigid Tapping
- CF / USB interface
- Auto Power OFF
- Door Interlock
- LED Machine Light
- Auto Lubrication System
- Spindle Air Blast
- Air Gun
- Coolant Gun
- Panel AC
- Coolant Tank with Chip Tray
- Spindle Coolant Nozzles, Ring Spray
- Pneumatic system
- Fully Enclosed Splash Guard
- Transformer
- Levelling Bolts & Blocks
- Tools and Tools Box
- Manuals
- Standard Machine Color



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