

# UNLOCK NEXT LEVEL OF PRECISION MACHINING



Performance Plus  
Vertical Machining  
Center

## Key Features

- High-Position Spindle & Precision
- Thermal Compensation
- High Rigid Structure
- Advanced Control System
- Efficient Chip Management System

## Industries

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

# Technical Specification

| Description  |                                | Unit  | PVM 855+                     | PVM 1055+          | PVM 1165+          | PVM 1265+          |
|--------------|--------------------------------|-------|------------------------------|--------------------|--------------------|--------------------|
| Table        | Table Size                     | mm    | 1000 X 500                   | 1100 X 500         | 1200 X 600         | 1300 X 600         |
|              | Max. Load Capacity             | kg    | 600                          |                    | 800                |                    |
|              | T-Slots                        | mm    | 5 X 18-100                   |                    |                    |                    |
|              | Dist. Table Surface to Spindle | mm    | 120 - 720                    |                    |                    |                    |
| Spindle      | Spindle Taper                  | type  | BBT40                        |                    |                    |                    |
|              | Spindle Speed                  | rpm   | 12,000                       |                    |                    |                    |
|              | Spindle Driving Method         | type  | Direct Drive                 |                    |                    |                    |
|              | Main Spindle Power Output      | kw    | 11 / 15                      |                    |                    |                    |
|              | Max. Spindle Torque            | nm    | 118 @ 1500 rpm               |                    |                    |                    |
| Feed         | Travel (X/Y/Z)                 | mm    | 850 / 550 / 600              | 1000 / 550 / 600   | 1100 / 650 / 600   | 1200 / 650 / 600   |
|              | Rapid Rate (X/Y/Z)             | m/min | 48 / 48 / 36                 |                    | 36 / 36 / 32       |                    |
|              | Feed Rate (X/Y/Z)              | m/min | 12                           |                    |                    |                    |
|              | Guideways                      | type  | Roller Guideways             |                    |                    |                    |
| ATC          | Number of Tools                | nos.  | 30                           |                    |                    |                    |
|              | Max. Tool Dia. (W.T / W.O)     | mm    | Ø80 / Ø120                   |                    |                    |                    |
|              | Max. Tool Length               | mm    | 300                          |                    |                    |                    |
|              | Max. Tool Weight               | kg    | 8                            |                    |                    |                    |
|              | Tool Change Time               | sec   | 2.5                          |                    |                    |                    |
| Accuracy     | Positioning                    | mm    | 0.008                        |                    |                    |                    |
|              | Repeatability                  | mm    | 0.004                        |                    |                    |                    |
| Power Supply | Air Consumption                | bar   | 6~8                          |                    |                    |                    |
|              | Electric Power Supply          | kva   | 21                           |                    | 36                 |                    |
|              | Voltage                        | v/hz  | 380v±10% 50hz                |                    |                    |                    |
| Machine      | Machine Dimensions             | mm    | 2650 X 2700 X 2850           | 2650 X 2700 X 2850 | 3200 X 2985 X 2960 | 3200 X 2985 X 2960 |
|              | Machine Weight                 | kg    | 4,500                        | 5,000              | 5,500              | 6,000              |
|              | Controller                     | type  | Mitsubishi / Fanuc / Siemens |                    |                    |                    |

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

## Standard Accessories

- Spindle Speed 12,000 RPM Direct Drive
- Spindle Oil Chiller
- ATC 30 Tools
- Pretensioned Ballscrew on X/Y/Z axes
- Thermal Compensation System
- Manual Pulse Generator
- Rigid Tapping
- CF / USB interface
- Auto Power OFF
- Door Interlock
- LED Machine Light
- Auto Lubrication System with Copper Tubing
- Spindle Air Blast
- Air Gun
- Coolant Gun
- Panel AC
- Coolant Tank with Chip Tray & High Pressure Coolant Pumps
- Spindle Coolant Nozzles, Ring Spray
- SS Grade Telescopic Covers
- Pneumatic system
- Fully Enclosed Splash Guard
- Transformer
- levelling Bolts & Blocks
- Tools and Tools Box
- Manuals
- Standard Machine Color



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