



*The best choice for superior productivity and reliability.*

A new standard of cutting stability and structural rigidity.

The P Series Vertical Machining Center let you enjoy both economy and efficiency of excellent performance with a reasonable price.

For extraordinary precision, speed and economy look no further than the new P Series Vertical Machining Center.

### **High Rigid Construction**

- Major parts are manufactured by certified Meehanite cast iron, featuring high tensile strength and long term wear resistance.
- Super rigid square slide-ways on



all 3 axis give longer sustaining accuracy and extra long service life.

- Z-axis is Pneumatically balanced for extremely smooth movement during rapid traverse and cutting feed.
- Advanced light weight designed spindle head structure provides extremely high precision and smooth in high speed cutting.

## [Specification](#)

### **SPECIFICATION**

ITEM	VP-1100
<b>HEADSTOCK</b>	
Spindle speed	60-6000R.P.M.
Spindle motor Cont. / 30min	10HP/ 15HP
Spindle diameter	Ø70mm
Spindle taper	CAT-40
<b>TABLE</b>	
Table area	1200x600mm
Max. load permissible	800kgs
T-solt no./pitch	5/100mm
T-solt width	18mm
<b>TRAVEL</b>	
Table travel of X axis	1100mm
Table travel of Y axis	600mm
Table travel of Z axis	600mm
Spindle nose to table	150-750mm
Throat depth from spindle center to Z	650mm

rail face	
Distance from Z rail face to table center	350-950mm
<b>AXIS FEED</b>	
Rapind feed rate of X, Y axis	15000mm/min
Rapind feed rate of Z axis	15000mm/min
Cutting feed	0-5000mm/min
<b>ATC SYSTEM (GENOVA)</b>	
Max. tool diameter	80mm
Max. tool length	300mm
Max. tool weight	7kgs
<b>GENERAL INFORMATION</b>	
Machine weight (approx.)	8800kgs
Floor space (LxWxH)	3300x3100x2700mm
Coolant tank (100%)	210 l
Positioning	0.005mm/300mm
Repeatability	±0.003mm
Air pressure required	6kg/cm <sup>2</sup>

**● Product specifications, accessories, and machine appearance are subject to change without prior notice.**

#### STANDARD ACCESSORIES

- Coolant system
- Rigid tapping
- Remote MPG
- Floating tool unclamp
- 4th axis wire ready
- High power Work lamp
- Spindle air blast & external Air & Coolant blaster
- Arm type ATC (24 Tools)

#### OPTIONAL ACCESSORIES

- 8,000/10,000/12,000 R.P.M. spindle
- 20HP Spindle Motor
- Spindle cooler
- 4th axis rotary table
- Memory upgrades
- Chain type chip conveyor and cart
- Transformer (20KVA)

- Leveling bolts and pads Mitsubishi 64M / 65M
- Heat exchanger for electrical cabinet Fanuc 18M / 21i
- Automatic power off (M30)
- Tool box with adjustment tools
- RS-232 interface
- User program memory 320M
- FANUC Oi-MB Package B controller
- Two Years Controller Warranty

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