



*The best choice for superior productivity and reliability.*

A new standard of cutting stability and structural rigidity.

The E 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 E 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 linear guides on all 3 axis give longer sustaining accuracy and extra long service life.
- Z-axis is counter weight balanced for extremely smooth movement



during rapid traverse and cutting feed.

- High precision Ball screw s of all 3 axis direct driving by servo motors to eliminate backlash.

## [Specification](#)

### SPECIFICATION

ITEM	VE-1020L3
<b>HEADSTOCK</b>	
Spindle speed	60-8000R.P.M.
Spindle motor Cont. / 30min	10HP/ 15HP
Spindle diameter	∅65mm
Spindle taper	CAT-40
Coolant pump	1/2 HP
<b>TABLE</b>	
Table area	1570x500mm
Max. load permissible	600kgs
T-solt no./pitch	3/150mm
T-solt width	18mm
<b>TRAVEL</b>	
Table travel of X axis	1500mm
Table travel of Y axis	510mm
Table travel of Z axis	510mm
Spindle nose to table	120-630mm
Throat depth from spindle center to Z	627mm
Distance from Z rail face to table	525-1375m m
<b>AXIS FEED</b>	
Rapind feed rate of X, Y axis	24000mm/min

Rapind feed rate of X, Y axis	24000mm/min
Rapind feed rate of Z axis	24000mm/min
Cutting feed	1~5000mm/min
Ballscrew (mm)	FDV- $\varnothing$ 32xP12
ATC SYSTEM (GENOVA)	
Max. tool diameter	80mm
Max. tool length	300mm
Max. tool weight	7kgs
GENERAL INFORMATION	
Machine weight (approx.)	6000kgs
Floor space (LxWxH)	4200x2600x2600mm
Coolant tank (100%)	210 l
Positioning	0.005mm/300mm
Repeatability	$\pm$ 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
- 4th axis wired ready
- High power Work lamp

#### OPTIONAL ACCESSORIES

- 10,000/12,000 R.P.M. spindle
- 20HP Spindle Motor
- Floating tool unclamp
- Spindle cooler
- 4th axis rotary table

- Tool box with adjustment tools
- RS-232 interface
- Usre's program memory 320M
- FANUC Oi-MB Package B controller
- Two Years Controller Warranty

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