



## ***H SERIES VERTICAL MACHINING CENTER***

### ***High productive machining***

The H series Vertical Machining Center integrates many fine and exclusive features to provide a new level of machining performance. It let you enjoy all the economy and efficiency of excellent machining with a reasonable price.

### **RIGID CONSTRUCTION**

- The Certified MEEHANITE casting Technique are adopted on all major components, offering close grain composition, high tensile strength, as well as long-term wearing resistance
- High precision linear guide-way on both X & Y axis (VH-650L)
- The Z axis square box guide-ways are flame hardened and precision ground.
- All 3 axis are loaded with high precision linear guide-way (VH-650L3).
- All mating surfaces of guide ways are precision scraped and coated with TURCITE-B and antifriction lining material.
- Z-axis counter weight balanced to ensures smooth movement during rapid travel and cutting feed.
- High precision ball screws on all three axes are direct driving from axis servo motors to eliminate backlash.



 [Specification](#)

## SPECIFICATION

ITEM	VH-650L/L3
<b>HEAD STOCK</b>	
Spindle Speed	60~8000 R.P.M.
Spindle Diameter	∅2.5" (∅65mm)
Spindle Taper	CAT-40 (BT-40 Option)
Spindle Motor (/30 min)	15HP
<b>TABLE</b>	
Table Size	31.4"X17.7" (800mmX450mm)
Max. Load	880 lbs (400kgs)
T-Slot No./Pitch	3/4.9" (3/125mm)
T-Slot Wide	0.7" (18mm)
<b>TRAVEL</b>	
X Axis	25.5" (650mm)
Y Axis	19.6" (500mm)
Z Axis	20.4" (520mm)
Spindle Nose to Table	4.7"~25.5" (120~650mm)
Spindle Center to Column Front	21.2" (540mm)
Column Rail Face to Table Center	11.4"~31.1" (290~790mm)
<b>AXIS FEED</b>	
Rapid Feed rate of X,Y Axis	944.8"/min (24000mm/min)

Rapid Feed rate of Z Axis	590.5"/min (15000mm/min) (L model) 944.8"/min (24000mm/min) (L3 model)
Cutting Feed rate	196.8"/min (5000mm/min)
ATC	
Max. Tool Diameter	∅3.1" (∅80mm)
Max. Tool Length	11.8" (300mm)
Max. Tool Weight	15.4 lbs (7kgs)
GENERAL INFORMATION	
Machine Weight (approx.)	10978lbs (4990kgs)
Floor Space (WxDxH)	98.7"X85.5"X106.2" (2508X2180X2700mm)
Coolant Tank	200 L
Positioning	±0.0002"/11.8" (±0.005mm/300mm)
Repeatability	±0.00012" (±0.003mm)
Air Pressure Required	85 PSI (6 kg/cm <sup>2</sup> )

● Specification and design characteristics are subject to change without prior notice.

#### STANDARD ACCESSORIES

- Coolant system
- Rigid tapping
- Remote MPG
- 4th axis wire ready
- High Power Work clamp
- Spindle air blast
- Carousel type ATC (16 Tools)
- Fully enclosed splash guard
- Leveling bolts and pads
- Automatic power off(M30)
- Automatic lubrication system
- Tool box wit adjustment tools
- RS-232 interface
- Floating tool unclamp
- User's program memory 320M
- Fanuc 0i-MB controller
- Two Years controller warranty

#### OPTIONAL ACCESSORIES

- 10,000/12000 R.P.M. spindle
- Arm type ATC(24 tools)
- Carousel type ATC(20 tools)
- Spindle cooler
- 2-speed gearbox
- Coolant through spindle with filter system
- Coolant through tool holder
- 4th axis rotary table
- Chip conveyor and cart( Chain/Spiral type)
- Memory upgrades
- Heat exchanger for electrical cabinet
- Transformer(15KVA)
- Water curtain package (Graphite machining)
- CNC controller

Mitsubishi 64SM/65SM

Fanuc 0i-MA/21iM

- APC (Automatic pallet changer system)

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