FV507







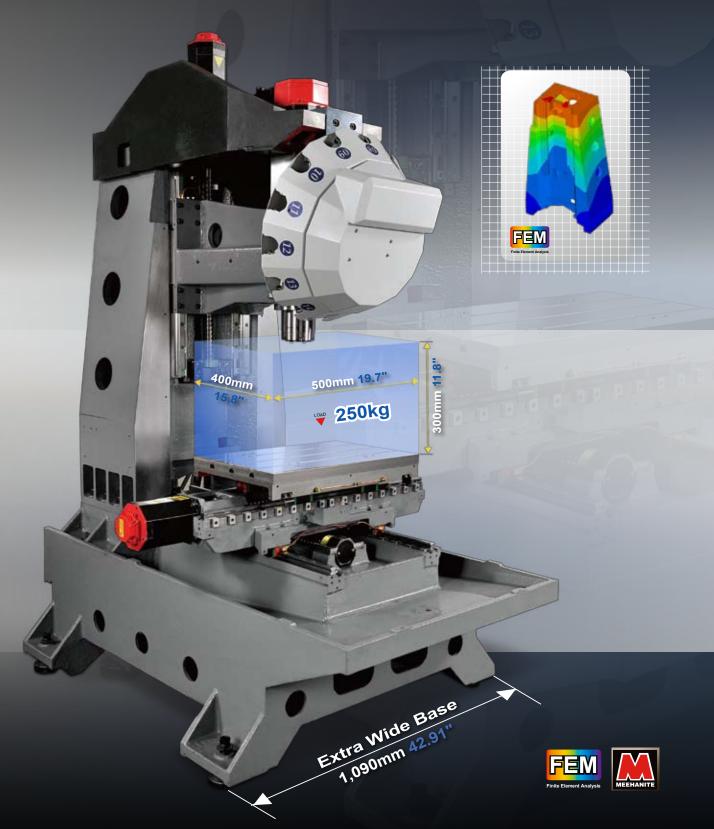






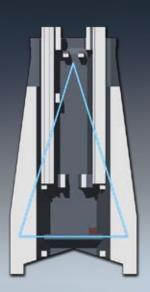
FV50T

YCM FV50T high speed high performance drilling & tapping center is designed with versatility to meet today's diverse requirements, especially in automotive and electronic industry. As a combination of high speed, high precision and ultimate efficiency, FV50T will be exactly the best investment you've ever made.

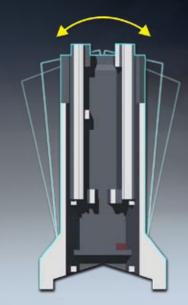


High Rigidity Body Structure

■ Delta structure efficiently absorbs the force and elevates machine rigidity and accuracy.



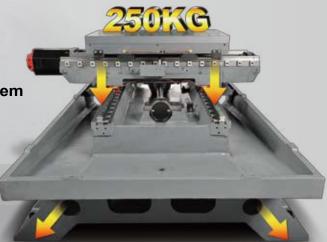
FV50T



Normal Design

Extra Wide Base

■ Extra wide base strongly supports the headstock and reduces overhang problem to achieve flawless dynamic accuracy.







Cutting Tests

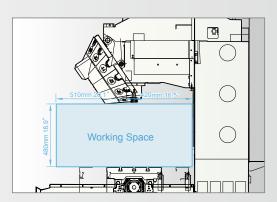


Flexible Working Space

■ Extra large working space, capable of fitting 4th axis rotary table or fixture to satisfy different job requirements.

Efficient Chips Removal Design

Slanted bed structure design with extra wide coolant tank prevents chips from accumulating inside of machine.





Compact Footprint

■ FV50T owns the smallest footprint in its class of 1,600mm wide and 2,235mm long (including the coolant tank).











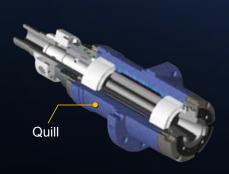


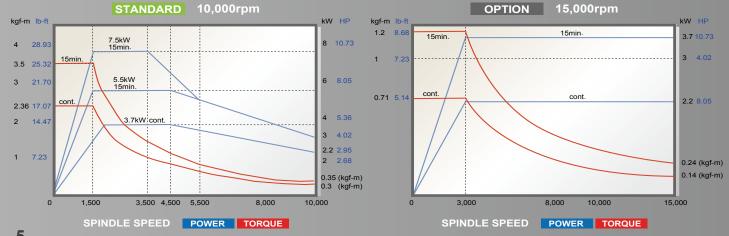


- 10,000rpm YCM made direct drive spindle deploys high precision ceramic ball bearings with low centrifugal force, low vibration and very little heat growth, to assure the optimal cutting performance under high speed machining.
- Reliable helical disc spring design prolongs the spindle life.

EASY MAINTENANCE DESIGN

- Quill spindle design achieves easy maintenance absolutely saving users' time.
- The tool magazine is designed with easy-to-dismantle feature.





DIRECT DRIVE DESIGN ON 3 AXES

- 3 axes are equipped with direct drive motors with absolute positioning encoders, provides backlash free, best accuracy, and high efficient axial movement.
- All linear guideways are mounted on the very fine surface for maximum contact and exceptional cutting rigidity.
- Rapid feedrate of 3 axes are 48/48/48 m/min.
- 1g acceleration can be achieved to increase working efficiency and productivity.





YCM CONTROL
by FANUC



- 8.4" TFT Color Display
- Al APC with 20 Blocks Look Ahead
- G-code Mirror Image
- Helical Interpolation
- Rigid Tapping
- Large Program Capacity with 1,280 Meters of Memory
- 400 Pairs Tool Offset
- 400 Total Registered Programs
- 48 Pairs of Workpieces Coordinate System
- HRV Control
- Extended Parts Program Editing (Cut, Copy, and Paste)
- Extensive Alarm Description
- Tool Offset

and more....

SPECIFICATIONS

FV50 <mark>T</mark>
10,000rpm (15,000rpm)
3.7/5.5kW (2.2/3.7kW) 5/7.4HP (3/5HP)
BT30
500mm 19.7"
400mm 15.8"
300mm 11.8"
180~480mm 7.1~18.9" (330~630mm 12.99~24.8")
650 x 400mm 25.6" x 15.8"
3 x14mm x 100mm 3 x 0.6" x 3.9"
250kg 551 lb
48/48/48 m/min. 1,890/1,890ipm
1~20,000mm/min. 0.04~787ipm
14T (21T)
3kg 6.6 lb
ø80 x 250mm ø3.2" x 9.8"
5.5kg/cm² 78.2psi
16kVA
2,400kg 5,291 lb

Note: The manufacturer reserves the right to modify the design, specifications, mechanisms,etc., to improve the performance of the machine without notice. All the specifications shown above are just for reference.

STANDARD ACCESSORIES

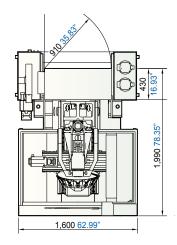
- Tool Kit
- Work Lamp
- Pilot Lamp
- Coolant Gun
- Coolant Equipment System
- Cuttng Air Blast
- Spindle Air Blast
- Spindle Air Seal
- Leveling Blocks and Foundation Bolts
- Heat Exchanger for Electrical Cabinet
- Mechanical, Electrical & Operating Manuals
- Rigid Tapping
- Guideway Cover (X,Y,Z)
- Chip Enclosure
- Tool Breakage Detector
- Automatic Tool Change
- CNC Control: FANUC 0i-MD

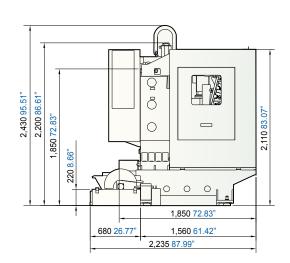
OPTIONAL ACCESSORIES

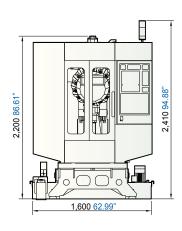
- Central Lubrication System
- Oil Skimmer
- Foundation Bolts
- Chips Flush Coolant System
- Workpiece Measurement System
- Automatic Power Off Device
- A/C. Cooler for Electrical Cabinet
- Automatic Door
- Safty Door
- 4th Axis Rotary Table
- Heavy Duty Coolant Pump
- Auto Tool Length Measurement System
- Full Chip Enclosure
- Air Gun
- CE
- Automatic Fire Extinguisher
- Machine Height 150mm More

DIMENSIONS

Unit: mm inch









YEONG CHIN MACHINERY INDUSTRIES CO., LTD. 888 HOMU RD., HSINCHUANG SHENGANG, TAICHUNG, TAIWAN

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