



Chester Fixed Table Vertical Machining Centre • FTV-4AX B

The FTV range has endless machine tool specifications to suit all industries.

The FTV-4AX B 4500 - 6500 has been designed for long thin components, the standard X axis options are 4500mm and 6500mm and Y axis of 550mm and also we can offer this machine to a special customized length.



This machine has a BT30 spindle nose with 12000 rpm, with 60 meters a minute rapids on the X movement this make this machine highly competitive in the aluminium production market place.

With the addition of the 4th axis or B axis having plus or minus 45 degrees rotation this truly brings to machine into its own.

FTV-4AX is available with Siemens or Fanuc control and comes with a standard chip management system, 20 tool changer and a selection of additional options.

- Milling Drilling, Tapping Function
- Versatile Machining of Various Metal Profiles and Lengths
- Double Cantilever Design Structure, for Increased Stability, and Improved Machining Accuracy
- High Rigidity Mechanical Spindle
- B Axis Rotation for High Accuracy Machining with Multiple-Angle, within ± 45 Degree

Standard Accessories:

- ✓ Fanuc Oi MF/Siemens 828D Controller
- ✓ Auto Lubrication
- ✓ Semi Enclosure
- ✓ Coolant System
- ✓ Internet Interface
- ✓ 20 Tools Tool Changer
- ✓ Chip Conveyor
- ✓ Work Lamp
- ✓ Airconditioner for Electrical Cabinet

Optional Accessories:

- ☐ Double-Head
- ☐ Angle Head
- ☐ Rotary Table
- ☐ Light Guard
- ☐ Customised Guarding
- ☐ Linear Scale

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.





Technical Specifications

Model	FTV-4AX B 4500-6500
Travel	
X Axis	4500-6500mm
Y Axis	550mm
Z Axis	700mm
B Axis	
Indexing Precision	15"sec
Repeat Precision	4"sec
Rotation Degree	±45°
Rotary Diameter	φ255mm
Min.Setting Unit	0.001°
Spindle	
Spindle Speed	12000rpm
Spindle Taper	BT30,φ100mm(outer dia.)
Feeding	
X/Y/Z Axis Speed	60/28/28m/min
X/Y/Z Axis Max.Rapid Feed	60/28/28m/min
X/Y/Z Axis Working Rapid Feed	1-15000mm/min
X/Y/Z Axis Precision Position(Full Travel)	0.05/0.02/0.02mm
X/Y/Z Axis Repeating Precision	±0.01/500mm,±0.01/300mm,±0.01/300mm
3 Axis Power	
X/Y/Z Axis Servo Motor Power Siemens	3.1kw(4hp)
X/Y/Z Axis Servo Motor Power Fanuc	3.0/1.8/3.0kw(4/2.41/4hp)
Tool	
Tool Magazine	Disc Type
Capacity of Tools Magazine	20pcs
Tool Change Time	2sec
Power of Motor	
Spindle Motor Power Siemens	9kw(12hp)
Spindle Motor Power Fanuc	5kw(7.5hp)
Moving Speed	
X Moving Speed	60m/min
Y/Z Moving Speed	28/28m/min
X/Y/Z Feed Speed	15m/min
Lubrication System	
Lubrication System	Automatic
Cooling System	Water Cooling System
Precision	
Position Precision of X Axis	0.05mm
Position Precision of Y/Z Axis	0.02mm
Repeating Position(X/Y/Z)	±0.01/1000mm
Air Requirement	
Air Pressure	6kg/cm²
Dimensions	
Overall Dimensions	8800-10800x3200x3100mm
Net Weight	14000-16000kg

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