

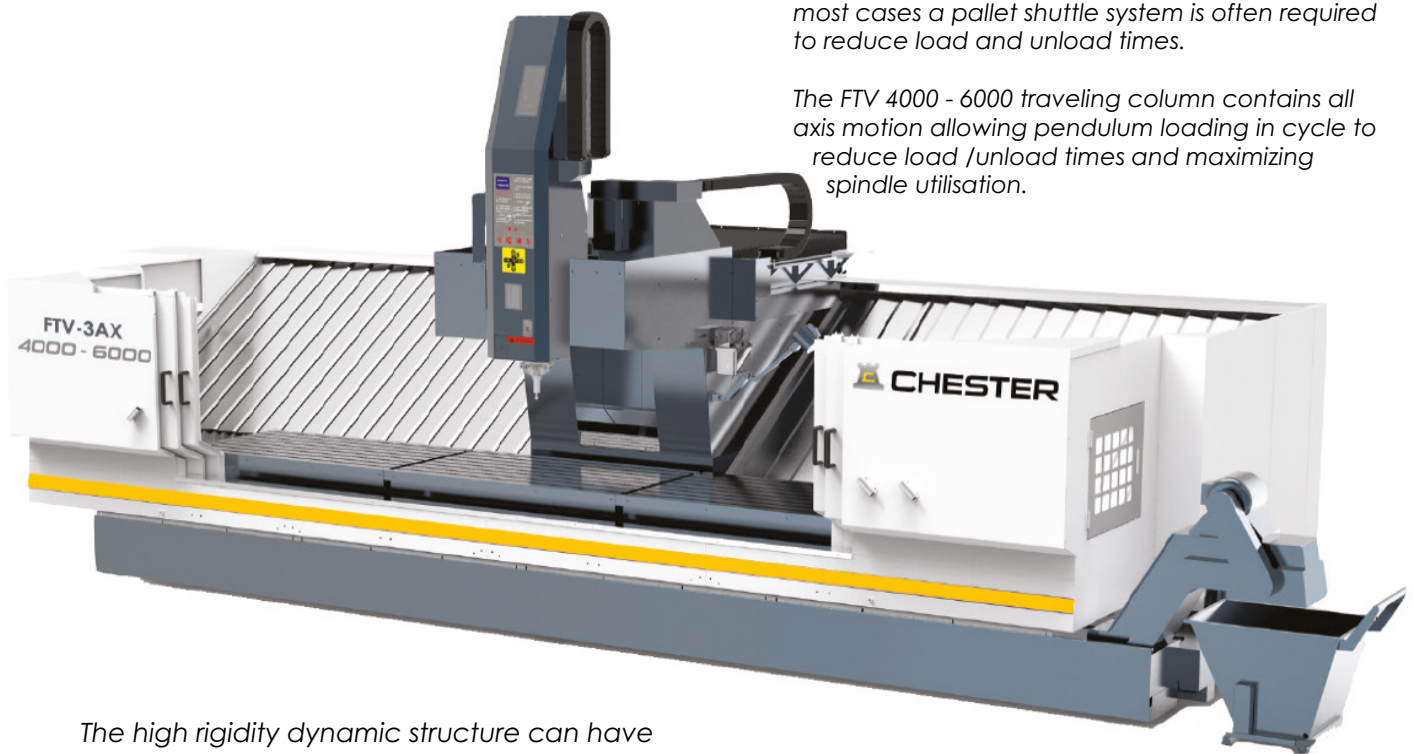


Chester Fixed Table Vertical Machining Centre • FTV-3AX

Technology at work with FTV 4000 - 6000

All production work comes in different sizes and in most cases a pallet shuttle system is often required to reduce load and unload times.

The FTV 4000 - 6000 traveling column contains all axis motion allowing pendulum loading in cycle to reduce load /unload times and maximizing spindle utilisation.



The high rigidity dynamic structure can have components up to 9 Ton on the machine table, this configuration also results in high Y Axis range up to 1200mm.

Optimised axis drives and large diameter ball screws combined delivers fast rapid travers on X,Y and Z movements.

The options of BT40/50 spindle tapers and various spindle speeds to choose from makes the FTV range a fantastic choice.

- 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

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:

- ☐ Coolant Through Spindle (BT40 only)
- ☐ 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-3AX 4000 - 6000
Travel	
X Axis	4000-6000mm
Y Axis	800/1200mm
Z Axis	600mm
Spindle	
Spindle Speed	8000/10000rpm
Spindle Taper	BT40/50
Feeding	
X/Y/Z Axis Speed	50/30/20m/min
X/Y/Z Axis Max.Rapid Feed	50/30/20m/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	5.2//3.0/3.0kw(7/4/4hp)
X/Y/Z Axis Servo Motor Power Fanuc	3.0kw(4hp)
Tool	
Tool Magazine	Umbrella Type
Pull Studs Format	45°
Capacity of Tools Magazine	6/20pcs (BT40 12pcs for 800 Y travel, 20pcs for 1200 Y travel BT50 6pcs for both)
Tool Change Time	6sec
Power of Motor	
Spindle Servo Motor Power Siemens	BT40 13Kw (17.4hp), BT50 17Kw(22.8hp)
Spindle Motor Power Fanuc	BT40 11Kw/14.74hp), BT50 15Kw (20hp)
Moving Speed	
X Moving Speed	50m/min
Y/Z Moving Speed	30/20m/min
X/Y/Z Feed Speed	15m/min
Lubrication System	
Lubrication System	Automatic
Cooling System	Oil Mist System
Precision	
Position Precision of X Axis	0.02mm
Position Precision of Y/Z Axis	0.01mm
Repeating Position(X/Y/Z)	±0.01/1000mm
Air Requirement	
Air Pressure	6kg/cm²
Dimensions	
Overall Dimensions	9500-11500x3150/3400/3700x3600mm
Net Weight	17000-23000kg

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