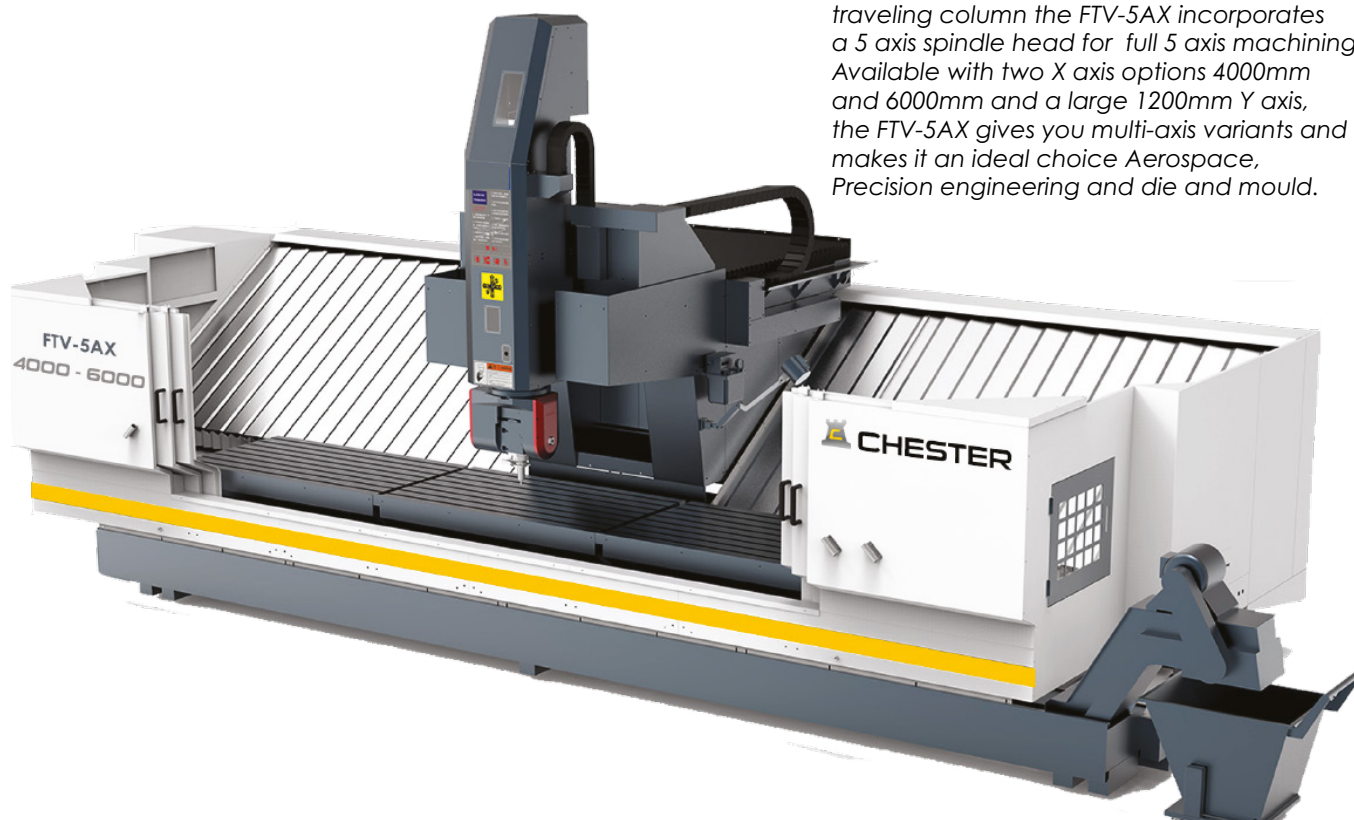




Chester Fixed Table Vertical Machining Centre • FTV-5AX

Based on the Fixed Table Vertical with a traveling column the FTV-5AX incorporates a 5 axis spindle head for full 5 axis machining. Available with two X axis options 4000mm and 6000mm and a large 1200mm Y axis, the FTV-5AX gives you multi-axis variants and makes it an ideal choice Aerospace, Precision engineering and die and mould.



The integral 24000 rpm HSK 63 spindle possesses capabilities of up to + and – 120 degrees tilt in the A axis and 240 degrees contouring in the C axis.

The FTV-5AX comes standard with the latest Siemens 840D CNC control which is highly specified with shop floor programming as standard.

- 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
- With a High Precision 5 Axis Head
- A/C Axis with Multi-Angle, Multi-Azimuth, Multi-Angle Processing

Standard Accessories:

- ✓ Fanuc Oi MF/Siemens 828D Controller
- ✓ 5 Axis Head
- ✓ Auto Lubrication
- ✓ Semi Enclosure
- ✓ Coolant System
- ✓ Internet Interface
- ✓ 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-5AX 4000-6000
Travel	
X Axis	4000-6000mm
Y Axis	1200mm
Z Axis	500mm
A Axis	±120°
C Axis	±245°
5 Axis Head	
Spindle Speed	24000rpm
Spindle Taper	HSK F63
Spindle Torque	12.7/15.3N.m
Feeding	
X/Y/Z Axis Speed	40/30/20m/min
X/Y/Z Axis Max.Rapid Feed	40/30/20m/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
Specification	HSK F63
Max.Diameter/Length/Weight	φ90mm/250mm/8kg
Max.Diameter(OT between Adjacent Tool)	φ90mm
Capacity of Tools Magazine	16/20pcs
Tool Change Time	6sec
Power of Motor	
Spindle Motor Power Siemens	10/15kw(13.4/20.1hp)
Spindle Motor Power Fanuc	10/12kw(13.4/16.08hp)
Moving Speed	
X Moving Speed	40m/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	9500-11500x3150/3400/3700x3500mm
Net Weight	18000-24000kg

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