

Zenith FS-3413 Component **CNC** **Router**

Technical Data Brochure



Zenith FS-3413 Component CNC Router

Technical Specifications



Sample



This component CNC router is ideal for a medium to large factory set.

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Technical Specifications

Technical Data

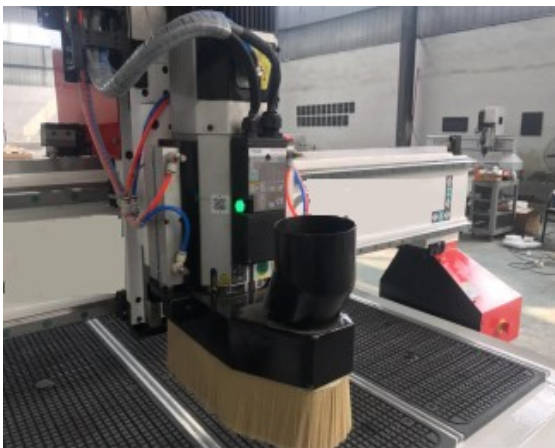
Working area	1220mm×3400mm×200mm
Control system	Syntec 600C control system for auto tool changer
Spindle	HQD 9kW ATC spindle 24000Rpm
Boring head	9 vertical drills + 4 horizontal drills
Auto tool changer	Carousel auto tool changer with 8 pcs position
Motor and driver	Syntec 1kW servo motor and drivers, Z axis with brake
Inverter	11kW inverter
Work table	Vacuum cup worktable with 5.5kW water cooling vacuum pump (3 phase voltage)
Guide rail	Taiwan square linear square guide rail
Transmission	Helical rack and pinion for X and Y axis. Taiwan TBI ball screw for Z axis
Dust collector system	3.5kW dust collector system with 2 bags including cover, tube and support
Machine body	Heavy duty construction
Tool sensor	Automatic tool callibration
Software	Aircam software
N.W./G.W.	2000kg/2200kg

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1	Max. traveling speed	45000mm/min
2	Max. processing speed	20000mm/min
3	Running environment	Temperature:-10°-40° relative humidity: 10%~90%
4	Spindle air pressure	0.6MPA
5	Total air pressure	0.8MPA
6	Power consumption	17kW/h
7	Mechanical accuracy	±0.03mm
8	Working voltage	380V 3 phase 50Hz

1. 9kW ATC Air Cooling Spindle



2. Boring Head



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Technical Features

3. Tool Magazine 8 Pcs



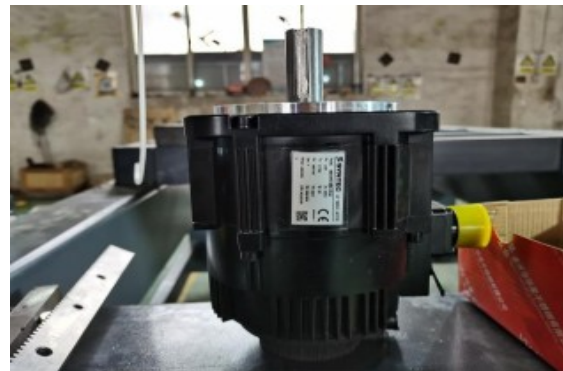
4. Vacuum Cup Worktable



5. Syntec60 Controller



6. Syntec 1kW Servo Motor & Driver



7. PMI Leaner Square Guide Rails



8. Helical Gear And Rack



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Technical Features

9. Soft Shielded Cable



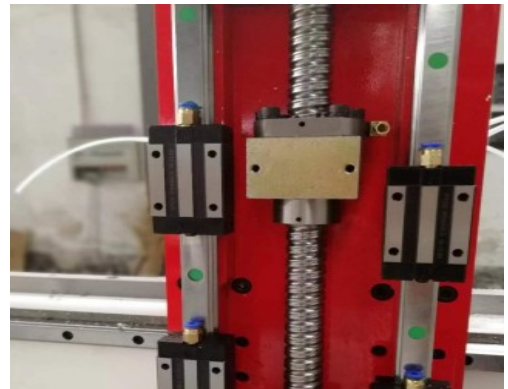
10. Schneider Electronic Components



11. 11KW Inverter



12. TBI Ballscrew For Z Axis Transmission



13. Support Block For Foot-Pad



14. Auto Lubrication System



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Technical Features

15. Automatic Tool Calibration



16. Electrical Control Cabinet



17. Dust Collector



18. Vacuum Pump



WoodTech Mechatronics

Strategic Qualifications

WoodTech is a company that manufactures specialized machinery primarily in the woodworking and plastics industry.


Historically we have been in business for 23 years and have machinery from our plant working in 20 countries on 5 continents and have distributors in 4 countries. Our product reliability and quality is professed by our customers and distributors. All machinery manufactured by WoodTech from day one are to the best of our knowledge still in active production.


WoodTech entered the CNC market thirteen years ago after a year's development in this area. Our development since then has been ongoing, seeking out the best components and systems to provide on our machines relative to the market segment that we aim those machines at. We believe we have mastered all aspects of CNC router manufacturing in the high performance 3 axis machines. Our top model, the C-Nest Prestige Router, currently performs at 90m/min rapid and 50m/min cutting speed and accelerations of $2,5 \text{ m/sec}^2$ which is among the highest in the industry. WoodTech does design its machines to be fit for purpose and is economical when correctly compared to opposition products.

WoodTech's facilities are of sufficient standard and capability to complete the entire project in house although some specialised work may be decided on to be contracted out. Our managing director is a mechanical engineer and our design engineers are also qualified mechanical and mechatronic engineers.

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