

BS2513-5S Table Move Type 5 Axis Linkage Machining Center ▶



Patent Name: Five Axis 3D cnc router
Patent No.: ZL201420861090.9

Feature:

- Ram, Left & Right Columns, Beams and woke table are welded with steel sheet, work table with T-Slot structure; All main mechanical parts are tempered, which has good shock absorption and thermal stability.
- The high-precision 5 axis CNC control system is characterized by high precision, diversified operations, intelligent processing and cross-border protection function, which can prevent mechanical collision caused by over travel during operation.
- The five-axis box body is made of high-strength cast iron, Original imported high-torque & high-precision harmonic/RV reducer, Imported high-torque spindle. These all ensure the accuracy and stability of processing, and meanwhile greatly improve the processing efficiency.
- Spindle adopts HSK taper hole clamping method with strong tool locking force, high precision stability. Especially suitable for high-speed machining occasions, effectively improving machining accuracy and smoothness, and shortly reduce the machining time.
- Automatic carousel type tool change magazine with 8 tool positions, ensure stable and reliable tool exchange.
- X, Y, and Z are driven by high-precision & pre-stretched ball screws, which are suitable for high-precision and powerful cutting of workpieces.

Application Materials:

- Substitute Wood, EPS, Foam, ABS, Aluminum Alloy, Acrylic, Wood, Fiberglass, Rubber, Plastic, Resin, Carbon, Fiber Glass Fiber, Gypsum, Sludge, Polymer Composites and Non-metallic carbonized mixed materials.

Technical Specification:

Stroke Size (mm)	X: 3450	5 Axis Working Size (mm)	X: 2500	Spindle	Italy HITECO 15Kw Spindle
	Y: 2150		Y: 1300	Spindle Speed	24000rpm/min
	Z: 1200		Z: 800	Spindle Cone	HSK 63F
A Axis	±120°			Drive Type	XYZ all adopt high precision ball screws
C Axis	±360°			Work Model	AC Servo Drive
Max Working Speed X/Y/Z(m/min)	30/30/10			Work Table Type	Steel Table or Vacuum Table
Max Rapid Speed X/Y/Z(m/min)	60/60/20			Air Pressure (kgf/cm ²)	0.6~0.7
Positioning Accuracy X/Y/Z (mm/m)	0.025/0.025/0.025			Total Power (KVA)	38
Repeatability X/Y/Z (mm/m)	0.01/0.01/0.01			Gross Weight (T)	10

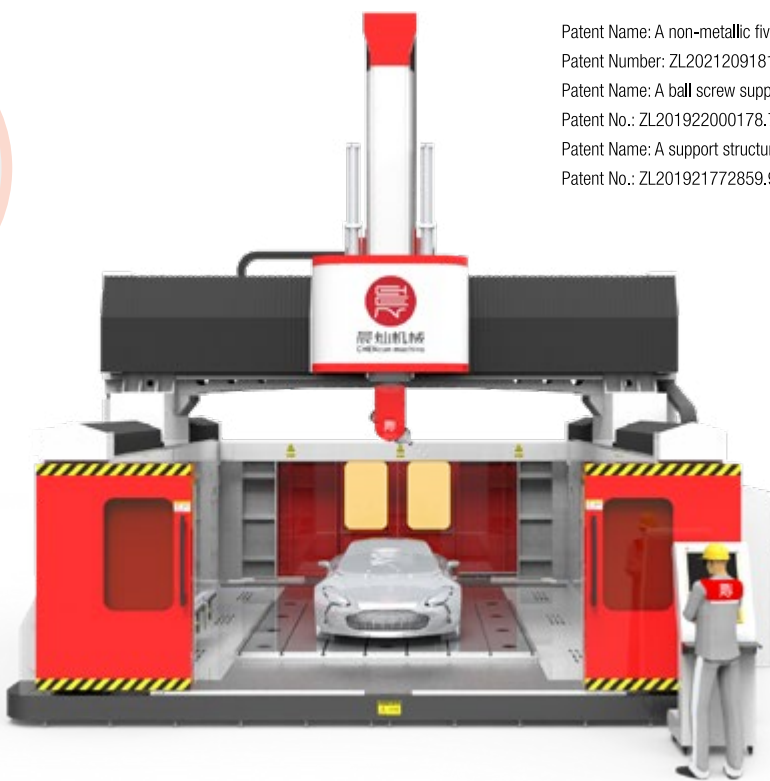
SF3565T-5S Portal Type 5 Axis Linkage Machining Center ▶



A.C 5 Axis Rotate Head



Control System



Patent Name: A non-metallic five axis linkage CNC machining milling machine
Patent Number: ZL2021209181968
Patent Name: A ball screw support device and machine
Patent No.: ZL201922000178.7
Patent Name: A support structure with horizontal ball screw
Patent No.: ZL201921772859.9

Feature:

- The work table adopts high-strength cast iron structure with T-Slot structure and resin sand modeling design; Ram, Left & Right Columns, and Beams are welded with steel sheet; All main mechanical parts are tempered, which has good shock absorption and thermal stability.
- The high-end 5 axis CNC control system is characterized by high precision, diversified operations, intelligent processing and cross-border protection function, which can prevent mechanical collision caused by over travel during operation.
- The five-axis box body is made of high-strength cast iron, Original imported high-torque & high-precision harmonic/RV reducer, Imported high-torque spindle. These all ensure the accuracy and stability of processing, and meanwhile greatly improve the processing efficiency.
- Imported spindle, adopts HSK taper hole clamping method with strong tool locking force, high precision stability. Especially suitable for high-speed machining occasions, effectively improving machining accuracy and smoothness, and shortly reduce the machining time.
- Automatic linear type tool change magazine with 12 tool positions, ensure stable and reliable tool exchange.
- X, Y, and Z are driven by high-precision & pre-stretched ball screws, which are suitable for high-precision and powerful cutting of workpieces.
- Customized service, customers can choose models according to the size of the model.

Application Materials:

- Substitute Wood, EPS, Foam, ABS, Aluminum Alloy, Acrylic, Wood, Fiberglass, Rubber, Plastic, Resin, Carbon, Fiber Glass Fiber, Gypsum, Sludge, Polymer Composites and Non-metallic carbonized mixed materials.

Technical Specification:

Stroke Size (mm)	X: 6500	5 Axis Working Size (mm)	X: 5500	Spindle	Italy HITECO 15Kw Spindle
	Y: 3500		Y: 2500	Spindle Speed	24000rpm/min
	Z: 2500		Z: 2100	Spindle Cone	HSK 63F
A Axis	±120°			Drive Type	XYZ all adopt high precision ball screws
C Axis	±360°			Work Model	AC Servo Drive
Max Working Speed X/Y/Z(m/min)	40/40/10			Work Table Type	Cast Iron Table with T Slot
Max Rapid Speed X/Y/Z(m/min)	60/60/20			Air Pressure (kgf/cm ²)	0.6~0.7
Positioning Accuracy X/Y/Z (mm/m)	0.025/0.025/0.025			Total Power (KVA)	57
Repeatability X/Y/Z (mm/m)	0.01/0.01/0.01			Gross Weight (T)	38

SF35120-5S Huge Mold 5 Axis Linkage Machining Center ▶

Portal Type Design

Without Work Table

Customized Service



Feature:

- All main mechanical parts are tempered, which has good shock absorption and thermal stability.
- The high-end 5 axis CNC control system is characterized by high precision, diversified operations, intelligent processing and cross-border protection function, which can prevent mechanical collision caused by over travel during operation.
- The five-axis box body is made of high-strength cast iron, Original imported high-torque & high-precision harmonic/RV reducer, Imported high-torque spindle. These all ensure the accuracy and stability of processing, and meanwhile greatly improve the processing efficiency.
- Spindle adopts HSK taper hole clamping method with strong tool locking force, high precision stability. Especially suitable for high-speed machining occasions, effectively improving machining accuracy and smoothness, and shortly reduce the machining time.
- Automatic linear type tool change magazine with 8 tool positions, ensure stable and reliable tool exchange.
- Customized service, customers can choose models according to the size of the model.

Application Materials:

- Substitute Wood, EPS, Foam, ABS, Aluminum Alloy, Acrylic, Wood, Fiberglass, Rubber, Plastic, Resin, Carbon, Fiber Glass Fiber, Gypsum, Sludge, Polymer Composites and Non-metallic carbonized mixed materials.

Technical Specification:

Stroke Size (mm)	X: 12000	5 Axis Working Size (mm)	X: 11000	Spindle	Italy HITECO 15Kw Spindle
	Y: 3500		Y: 2500	Spindle Speed	24000rpm/min
	Z: 2000		Z: 1600	Spindle Cone	HSK 63F
A Axis	±120°			Drive Type	XY: Incline Rack & Pinion Z all adopt high precision ball screws
C Axis	±360°			Work Model	AC Servo Drive
Max Working Speed X/Y/Z(m/min)	40/40/10			Work Table Type	No
Max Rapid Speed X/Y/Z(m/min)	60/60/20			Air Pressure (kgf/cm ²)	0.6~0.7
Positioning Accuracy X/Y/Z (mm/m)	0.03/0.03/0.03			Total Power (KVA)	42
Repeatability X/Y/Z (mm/m)	0.02/0.02/0.02			Gross Weight (T)	30

Equipment accessories:

Control System: Huazhong 848D	●
Servo Drive: Huazhong Servo	●
Big Size Taiwan Linear Guide Rail	●
Z Axis Hydraulic Balance System	●
Cabinet Cooling System	●
Pneumatic & centralized lubrication System	●
Spindle Cooling System	●
Tricolor & Lighting Lighting	●
Standard Accessories & Related Documents	●

Note: ● Standard Configuration ○ Optional Configuration

Tool Magazine	●
Common Maintenance Tools	●
Equipment Pads and Leveling Bolts	●
Control System: Siemens 828	○
Control System: Taiwan Syntec 610MA-E5	○
Imported Italy Spindle	○
Anti-backlash Function	○
H/L Type Rotate 5 Axis Head	○
Around Protection	○

Customer Site:

