



## TK6920 CNC Boring and Milling Machine with ISO50 Spindle

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: BAISHUN MACHINERY
- Certification: ISO
- Model Number: TK6920
- Minimum Order Quantity: 1 set
- Price: USD99000/Set
- Packaging Details: 1. Outside we will pack the product with plastic to prevent wet. 2. Outside of the machine will be packed by strong wooden pallet. 3. If there requirement of the package, we can customized based on the detail requirement.
- Delivery Time: 3 month
- Payment Terms: L/C, T/T, Western Union
- Supply Ability: 30 Set/Sets per Month



### Product Specification

- Product Name: CNC Boring And Milling Machine
- Type: TK6920
- Spindle Taper: ISO50
- Spindle Diameter: 200mm
- Z/Y/Z Travel: 6000/3000/1200mm
- Spindle Speed: 1200r/min
- Function: Boring And Milling
- Key Words: Boring And Milling Machine
- Worktable Size: Customize Accepted
- CNC Controller: Siemens/Fanuc
- Highlight: **CNC Boring And Milling Machine, Vertical CNC Boring And Milling Machine**



### More Images



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## Product Description

### Rotary Table Metal Borer Vertical Turret CNC Boring And Milling Machine

#### CNC Floor Type Horizontal boring and milling machine

The CNC Horizontal boring and milling machine are design with large torque, high efficiency, high rigidity and advanced technologies. Per user's requests, the machines can match with different controllers, different precision requirements, different sizes of tables to form different models of boring machines. This series of boring mills are suitable for machining large, medium sized box shape, frame structure or mould parts, and can perform milling, boring, drilling, winching, tapping etc after one clamping. The machines controls 7 axes with 4 axes simultaneous and allows circular interpolation and 3-D curved surface machining. Equipped with milling head, face plates and other devices, the series of machines have enlarged machining capabilities. The spindle has cooling case to limit the heat in spindle.





Right Angle Milling Head



Universal Milling Head



Face Plate

We build different models of rotary tables according to the difference of loading capacity, size of table and customer's requests

The surface of the table can be either rectangular or square, or round.

The rotary tables can be used with either floor type or planer type boring mills. And the linear strokes of the table differ with different machine, loading capacity and table size.



# Product Details Display

01

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## MACHINE BED

The machine bed is built of resin, wood former with reasonable structure and rigidity.

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CASTING CO., LTD.  
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02

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## ROTARY TABLE

We build different models of rotary tables according to the difference of loading capacity, size of table and customer's requests.

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03

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## COLUMN

Most of high quality castings, resin and wood former are in a double-frame structure, the column is of sufficient rigidity that allows the smooth movement of



spindle box vertically.



04

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## CONTROL SYSTEM

The equipment  
equipped with  
Siemens Sinumerik One  
/FANVC 31i system  
(can be customized  
for customers)

## EXHIBITIONS & REAL APPLICATION FROM FOREIGN CLIENT



United Kindon



Mexico



Macedonia



Malaysia



Chile



Holland



Saudi Arabia



Italy



Philippines

Technical Specification:

| Item                                   | Unit | TK6913                                                                                                                          | TK6916           | TK6920           | TK6926           |
|----------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------|
| Spindle diameter                       | mm   | 130                                                                                                                             | 160              | 200              | 260              |
| Spindle taper                          | ISO  | 50                                                                                                                              | 50               | 60               | 60               |
| Max. spindle speed                     | rpm  | 1500(Op:3000)                                                                                                                   | 1200(Op:2000)    | 1000(Op:2000)    | 1000O(op:1500)   |
| Motor power-Servo                      | KW   | 30                                                                                                                              | 55               | 75               | 110              |
| Total travel of boring spindle and ram | mm   | 1500                                                                                                                            | 2400             | 2400             | 3200             |
| Size of ram section                    | mm   | 380*420                                                                                                                         | 480*520          | 480*520          | 620*740          |
| Travel of column -X axis               | mm   | 4000(op:5-15m)                                                                                                                  | 6000(op:7-20m)   | 6000(op:7-20m)   | 8000(op:9-20m)   |
| Vertical travel of spindle head-Y axis | mm   | 2000(op: 3m)                                                                                                                    | 3000(op: 4m, 5m) | 3000(op: 4m, 5m) | 3000(op: 4m, 5m) |
| Longitude travel of cloumn-Z axis      | mm   | 700                                                                                                                             | 1200             | 1200             | 1600             |
| Axial travel of boring spindle-W axis  | mm   | 800                                                                                                                             | 1200             | 1200             | 1600             |
| B axis totation degree                 | °    | 360                                                                                                                             |                  |                  |                  |
| Tool magazine                          | pcs  | 40/60                                                                                                                           | 40/60            | 40/60            | 40/60            |
| Worktable size                         | mm   | 1200*1400, 1400*1600, 1600*1800, 1800*2000, 2000*2500, 2500*3000, 3000*3500, 3500*4000, 4000*4500, 4500*5000(can be customized) |                  |                  |                  |
| CNC System                             |      | SIEMENS / FANUC (can supply based on customers' requirement)                                                                    |                  |                  |                  |

#### Machine bed:

The machine bed is built of resin.wood former with reasonable structure and rigidity. It guarantees a sound base and the steadiness of the machine and the stability of column in motion on the bed.there are top quality imported ground hard dent surface racks on the bed, two preload gears co-drive ensures the accuracy of X axis.

#### Sliding carriage

Built with top quality castings. Resin and wood former, the sliding carriage possesses sufficient intensity. It connects to the machine bed with two wide guide ways. The single guide way serves as main positioning with support from double guide ways to maintain the stability and linearity of column in motion on machine bed.

#### Column

It is made of high quality casting resin and wood former in a double frame structure, the column is of sufficient rigidity that allows the smooth movement of spindle box vertically. Mosaic type counter weight balance rails are built inside the column to ensure the stability of the counterweight's vertical movements, thus to ensure the high precision of the machine. The two ground rails in front of the column check the position of spindle box and ensure the steadiness of the spindle's vertical movements. The column is equipped with preload precision double nut ball screws and servo motor drives the vertical travels of the spindle box.

#### Control unit

The operation booth is built with the spindle box, the control unit in the booth fore easy operation . Rota table control panel and the handset unit that allows long distance operation makes the operation simple and efficient.



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