

## Innovation Aesthetics Trust Precision



S5A-HH series CNC 5-Axis Double Column Machining Center





**Auto Tool Length & Diameter Measuring system Auto Touch Probe System (optional)** 







Blum NT-A3(A5)



Blum TC 50 (60)





Unique patented design of the four roller-type linear guide ways in the z-axis spindle slide structure

The z-axis spindle system adopts the box- and roller-type four linear guide ways (RG45) and is equipped with two close-loop oil pressure balancing units. These specific designs greatly enhance the spindle rigidity and reduce the vibration during machining.

### Patented structure design of three roller-type linear guide ways.

The y-axis system adopts three roller-type linear guide ways (RG65) between spindle ram and its seat. This design adopts the mixed arrangement of vertical and horizontal guide ways, which may enhance the y-axis movement rigidity and stability.

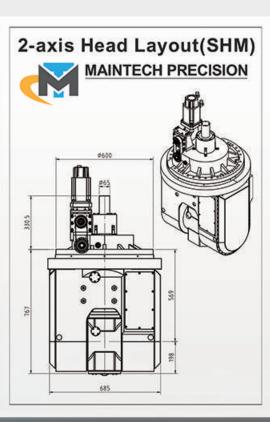




24pcs/32pcs/40pcs/60pcs...more

# S5A-4732HH with Fully Splash Guarding Machine Layout · 🖺 · -

### S5A-4732HH with 2-Axis Head (SHM) Working Area ------22/28-0-033 20/26 37/46.8



### S5A-4732HH **Machine Specifications**

Model	Unit	S5A-4732HH
X-axis	mm	4700
Y-axis stroke	mm	3200
Z-axis stroke	mm	1200
Table Size	mm	4000 x 2200
Table Loading	kgs	15000
Distance between two Column	mm	2520
Distance from Spindle Nose to Table	mm	0~1200
Spindle Taper, Tool Shank		BT-50 (BBT-50)
Main Motor Output (30min Rating / Cont.)	HP	35/30
Rapid Travers Rate X · Y	mm/min	15000/15000
Rapid Travers Rate Z	mm/min	12000
Cutting Feed Rate	mm/min	1~8000
Minimum Input Increment	mm/min	0.001
Tool Magazine Capacity	pcs	24/32/40/60
Max. Tool Diameter/Adjacent Empty Pockets	mm	ø125/ ø210
Max. Tool Length (From Gauge Line)	mm	350
Max. Tool Weight	kgs	18/20
Tool Selection Method	į.	ABS (Random Bi)
Tool Change Time	secs	8
Power Requirement	KVA	65
Floor Space Requirement	mm	12500 x 6900
Machine Height from Floor Level	mm	5990
Machine Weight (approx)	kgs	80000
CNC Controller		Heidenhain iTNC640
Postioning Accuracy	mm	JIS B6338 0.01/300 · VDI 3411 P0.025
Repeatability Accuracy	mm	±0.005
2-axis Head		SHM
Rotational Torque (Cont./Max.)	1476 / 5760 N-m	
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C-axis Rotational Angle	± 200°	
B-axis Rotational Angle	± 110°	
C-axis Rotational Speed	5 rpm	
B-axis Rotational Speed	5 rpm	
C-axis Clamping Force	4000 N-m	
B-axis Clamping Force	4000 N-m	
Spindle Speed / Maximum Torque	4000rpm/1155N-m	
2-axis Head Weight (approx)	900 kg	

- 1.Description is optional accessories.
- 2. To research and improve our company keep the right of changing design and structure at any time, this data is just for reference.
- 3. Custom-machines are available.

### Standard Accessories:

- 1. Lubrication System
- 2. Glazed Window Type Splash Guarding
- 3. Screw-Type Chip Conveyor
- 4. Chain-Type Chip Conveyor
- 5. Coolant Equipment
- 6. Spindle Oil Cooler
- 7. Z-Axis Hydraulic Balance Unit
- 8. Pneumatic Unit
- 9. Air Blow For Chip (By M-Code)
- 10.Work Lamp
- 11.Auto Power-Off
- 12.M.P.G
- 13.Program End & Alarm Lamp
- 14.RS-232 Interface RS-232
- 15.Leveling Blocks And Bolts
- 16.Tool Kit
- 17. Maintenance and Operation Manual
- 18.Controller Operation Manual
- and Electrical Circuit Diagram
- 19.Inspection List

### Opptional Accessories:

- 1. Auxiliary Table
- 2. Auto Tool Magazine 24 · 32 · 40 · 60PCS
- 3. Auto Tool Length &
- Diameter Measurement
- 4. Auto Touch Probe System
- 5. Linear Scale Feedback
- 6. Coolant Through Spindle System
- 7. Spindle Thermal Compensation
- 8. Available with Different 2-axis head
- & Spindle Spec. & rpm
- 9. Fully Splash Guarding

### Products

CNC Double Column Machining Center

CNC Double Column High Speed Machining Center

CNC Double Column 5-face Machining Center

CNC Double Column 5-Axis Machining Center

CNC High Speed Horizontal Machining Center (W-axis)

CNC Moving Column Horizontal Machining Center with APC

CNC High Precision Double Column Grinding Machine

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