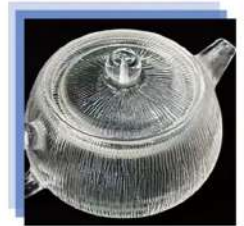


SUPERBMELT JEWELRY 5 AXIS CNC MACHINE

■ ONE MACHINE DO 10 WORKERS' JOB ■



5 CORE ADVANTAGES

INTELLIGENCE STABLE EFFICIENT



Gold Five-Axis CNC System
(with RTCP functionality)



Electric Spindle
Cooling System



6-Position Inline
Tool Changer



Automatic Tool Setter




Precision Electronic
Handwheel Controller

www.superbmelt.com


- Advantages -

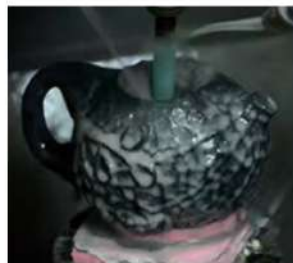
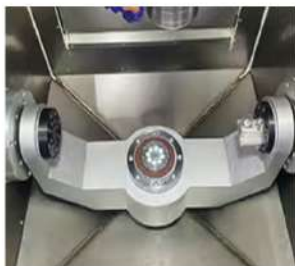
1ST FIVE-AXIS CNC ENGRAVING MACHINE WITH AN AUTOMATIC TOOL CHANGER SYSTEM

-  The A-axis cradle + C-axis rotation design structure is more flexible, allowing complex 3D surface carving, multi-angle carving of five faces, bevel hollow carving, bowl body hollowing, irregular shape carving, bevel drilling, chamfering, and edge grinding to be achieved with a single clamping.



2ND WITH AN AUTOMATIC TOOL CHANGER SYSTEM

-  No manual tool change is required. The fully sealed inline tool magazine can hold 6 tools, greatly improving processing efficiency.



3RD THE MAIN STRUCTURE IS MADE OF A SOLID CAST IRON STRUCTURE

- High-precision dispensing and drilling, without damaging the product. The drilling path is precise, the landing points are accurate, and the output is stable.



Physical noise reduction for a silent carving environment.

4TH COMPACT BODY WITH A FULLY ENCLOSED SILENT DESIGN.

- Effective physical noise reduction for a silent carving environment; occupies only 1 square meter, can fit in a regular elevator for upstairs processing, maximizing space utilization.

5TH WIDE APPLICATION

- Widely used in craft processing factories, hardware processing factories, company product development, school teaching, technical training schools, as well as by DIY creators. It is a very practical five-axis machine tool.




THE PARAMETER

Model	SPB-CNC510
X/Y/Z Axis Movement Accuracy	0.05/0.05/0.05 mm
A/C Axis Movement Accuracy	0.05°
X/Y/Z Axis Positioning Accuracy	0.02/0.02/0.02 mm
A/C Axis Positioning Accuracy	0.02°
X/Y/Z Axis Stroke	350/250/200 mm
A/C Axis Rotation	120° /360°
Max Workpiece Size/Height	Diameter 200 mm / Height 180 mm (Clamp: 120 mm)
Max Working Load	20 kg
Main Spindle Speed	4KW / 40,000 rpm
Tool Specification	ISO20
Tool Storage Capacity	6 (Horizontal Type)
Max Speed of X/Y/Z Axis	6 m/min
Max Spindle Speed	15/20 rpm
Power Supply	380V/50Hz
Compressed Air	> 0.55 MPa
Machine Weight	850 kg
Power Consumption	5KW
Cooling System	Gold Five Axis Control System (RTCP functionality)
Dimensions	1000 * 1100 * 1900 mm

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