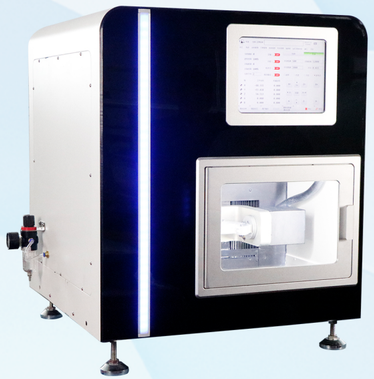
Product introduction / performance characteristics



Size		600*600*705（mm）
Tool magazine capacity		3
Input voltage		Single phase communication
Spindle power		0.38KW
Spindle cooling method		Air cooling (no pump or chiller required)
Weight		180Kg
Processing range	A-axis	360°
	B-axis	±20°
Spindle	The way	Dry carving
	Rotating speed	3000-60000rpm
Material	Processing material	PMMA，Zirconia, resin, etc.

The JDM5Z five-axis high-efficiency automatic cutting machine adopts imported high-quality accessories from the world's top brands; fully enclosed design with double-layer dust-proof system; precise tool setting and stroke protection design; excellent mechanical structure is the foundation to ensure mechanical accuracy and rigidity , Adopting the international standard full Meehanite cast iron, one-piece molding without welding, and still maintain the original accuracy after many years of use.

JDM5Z Five-axis high efficiency Automatic engraving machine

1. Safe use

Precision tool setting and stroke protection design;

2. Quality Assurance

The key components that affect the quality of the whole machine are imported high-quality accessories from the world`s top brands;

3. Stable performance

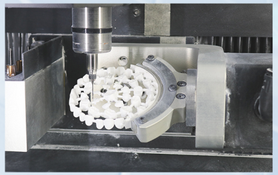
The motor seat, the bearing seat and the cast iron of the machine tool are integrated, with high rigidity, anti-impact and non-deformation characteristics, so that the abutment maintains high rigidity and long life;

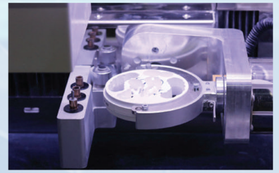
Four. Environmental protection

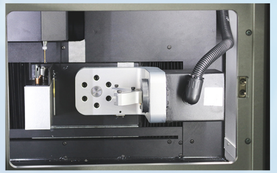
Fully enclosed design with double-layer dustproof system;

Five. Persistent operation

Excellent mechanical structure is the foundation to ensure mechanical precision and rigidity. It adopts international standard all-Mehanna cast iron, integrally formed without welding, and still maintains the original accuracy after many years of use.







Accessories diagram

Dongle
Install and
start work nc

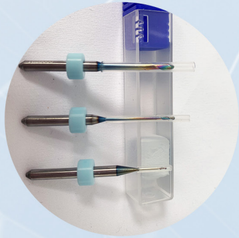
Power cable
The device power cord
is plugged into the socket

Trachea

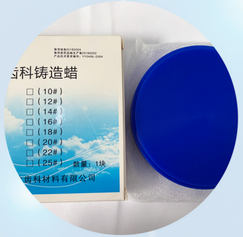
Vacuum tube

Hose clamp

Knives
Install in the slot

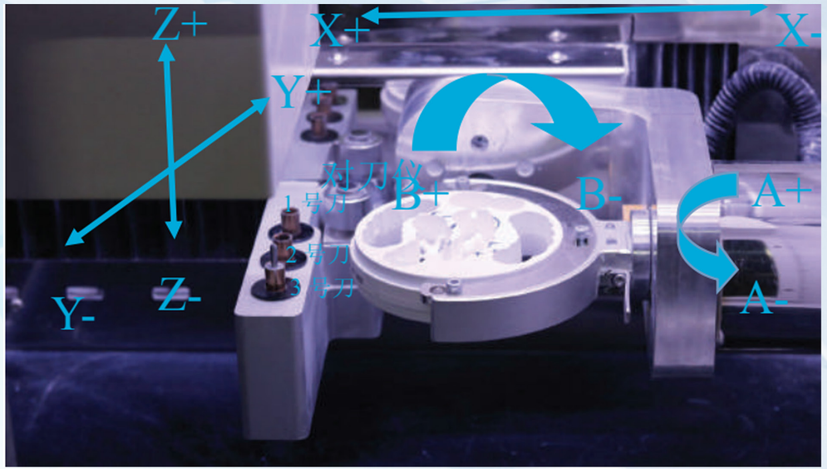


Wax block
Test calibration



Half clip
Bonding Zirconium Disc

Processing system



1.Before processing, make sure that there is enough compressed gas connected, otherwise the system will generate an alarm and stop running;

2. Before turning on the power, remember to ground the rear ground wire to reduce static electricity;

3. Check before powering on that the spindle cooling, workpiece cooling, compressed air, etc. are all connected.

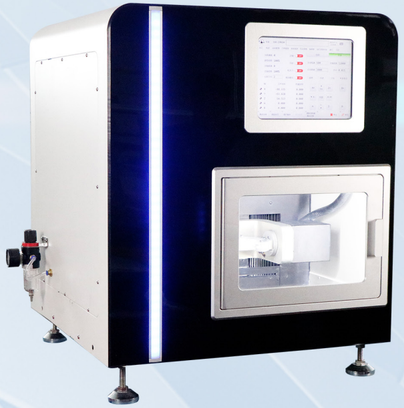
Cutting system

Inlet pressure: 0.2-1.0MPA
Pressure loss: ⩽0.2MPA
Pressure dew point: 2-10°C
Inlet temperature: ⩽45°C
Ambient temperature: ⩽38°C

Cold dryer

Air pressure⩾0.6MPA
Capacity⩾50L
Voltage = 220V
Multiple devices need ⩾120L

Air compressor



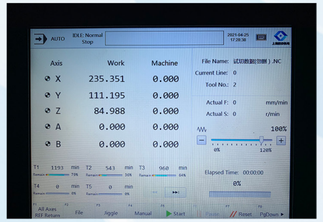
Size: 585*585*705 (mm)
Tool magazine capacity: 3
Input voltage: single-phase AC
Spindle power: 0.38KW
Spindle cooling method: air cooling (five water pumps or chillers)
Weight: 180Kg

1. Processors above i5.
2. Running memory 16g and above, dual hard drives
3. NVIDIA's discrete graphics card gtx1050 and above
4.win10 system

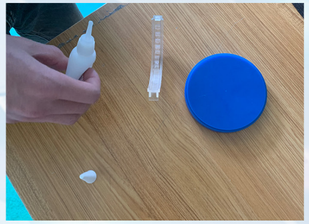
Voltage: 380/V/Hz
Power: 2.2KW
Suction power: 24Kpa
Air volume: 265M3/H
Size: 1050*480*1130MM
Capacity: 80L
Filter area: 25000CM2

vacuum cleaner

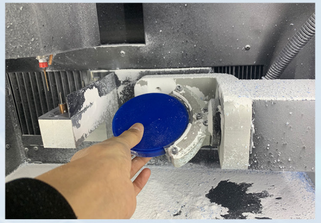
Calibration instructions



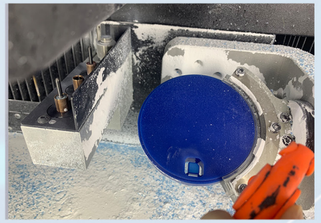
1. Turn on the device and reset F1 to zero



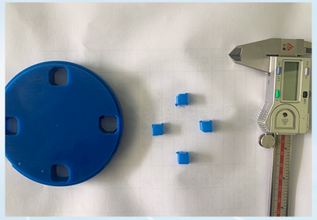
3.Drip glue in the half clip and stick the wax block



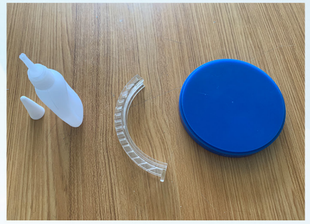
5 .Install the wax tray



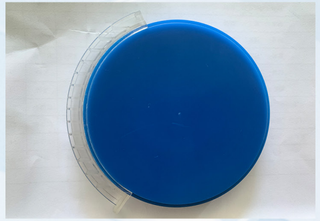
7. Cut the wax block into small squares



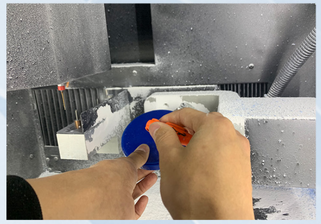
9. Prepare measuring tools



2. Prepare wax block, half clip, strong glue



4 .Wait 2-3 minutes for bonding to complete



6. Tighten the screws in op-posite directions

8. After the small square is cut, remove the small Cube

10. Measure the lower, middle and upper thickness without error Ultra and 0.03mm can be

PRECAUTIONS

1. The device must be reset to zero after it is turned on;
2. The equipment needs to be equipped with a cold dryer;
3. After the device is turned off, you must wait 1-2 minutes before turning it on again, and you must turn off the system before turning off the power;
4. After using the U disk to copy the file and import it to the device, the U disk must be unplugged from the device. After the file is successfully transferred using the network cable, it must be verified whether the file size is consistent;
5. If the processed product has knives or teeth, please change the knives in time;
6. Change the tool-be sure to check whether the tool clamped on the spindle is consistent with the tool displayed on the screen;
7. Check whether the chiller is working properly before equipment processing;
8. Pay attention to keeping the inside of the equipment tidy and clean;
9. The air pressure must be maintained at 0.6-0.8mp during the operation of the equipment;
10. The files currently processed by the equipment must not be deleted during operation;
11. The screws of the lock and gland must be replaced regularly, the output is large-once a week, and the output is less than half a month;
12. Contact the manufacturer as soon as the equipment fails and alarms.

Finished product display

Cutting material

Zirconium block: inner crown, inner crown bridge, full crown, full crown bridge, inlay, onlay, implant superstructure

PEEK: Temporary crown, full crown, full crown bridge, inner crown, inner crown bridge, stent

Resin: Temporary crown and bridge

Wax block: crown and bridge, stent, attachment