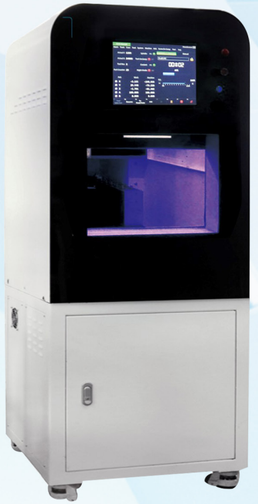
Product introduction / performance characteristics



Size		810*725*1670 (mm)
Tool magazine capacity		6 pieces
weight		520KG
Input voltage		Single-phase AC 220
Spindle power		1.8KW
Processing range	A-axis	360°
	B-axis	±20°
Spindle	the way	Wet carving
	Rotating speed	3000-60000rpm
material	Processing material	Titanium and other metals or non-metals, HPP, resin, etc.
Average processing time	Titanium column /titanium crown	7-58 minutes/9-20 minutes

JDM5T five-axis metal high-efficiency fully automatic cutting machine, CAM automatic programming, data management, open system, accepting world common format files. Automatic recognition of toolpaths to improve production efficiency; excellent and concise man-machine interface, easy-to-understand operation, no professional CAD/CAM operation skills, only one-key operation.

JDM5T Five-axis high-efficiency automatic engraving machine

1. Fully automatic

CAM automatic programming, data management, open system, accept world common format files. Automatic recognition of toolpaths to improve production efficiency

2. Simple operation

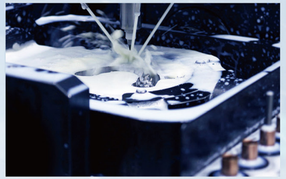
Excellent and concise man-machine interface, easy-to-understand operation, no professional CAD/CAM operation skills, only one-key operation;

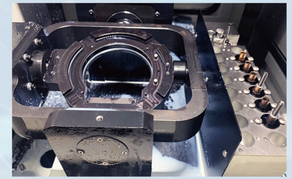
3. Quality Assurance

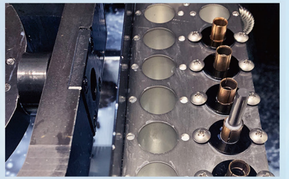
The key components that affect the quality of the whole machine are imported high-quality accessories from the world's top brands

4. Persistent operation

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







Accessories diagram

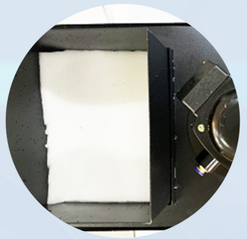
Coolant
Pour into the chiller
to the green scale

Knives
Installed in the slot

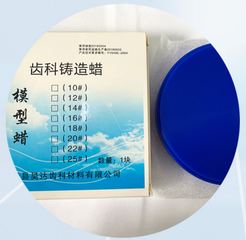
Cutting fluid tank
Hold cutting fluid,
sponge filter titanium chips

keyboard

sponge



Wax block
Test calibration



Chiller
The main shaft is cooled down
and the coolant is circulated

Dongle
Install and start work nc

power cable
The chiller is plugged into
the equipment,
The device power cord is
plugged into the socket

Cooling water pipe

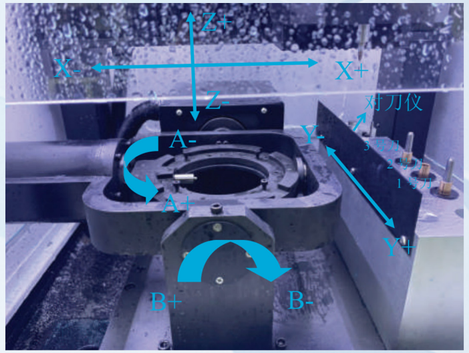
hexagonal wrench
Tighten the screws

Cutting fluid
Water to water ratio 1:15

M5-8

M4-12

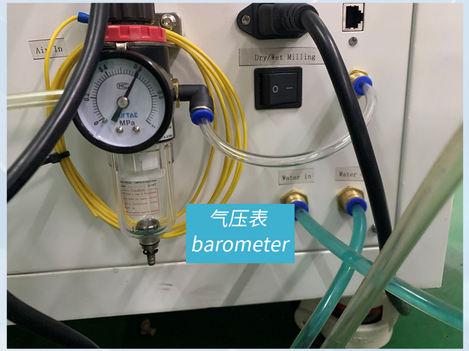
Operation panel/operation preparation



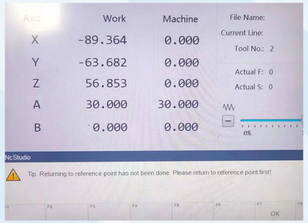
1.Before processing, make sure that there is enough compressed gas connected, otherwise the system will generate an alarm and stop running;

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

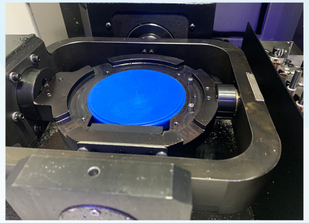
3. Check before powering on that the spindle cooling, workpiece cooling, compressed air, etc. are all connected.



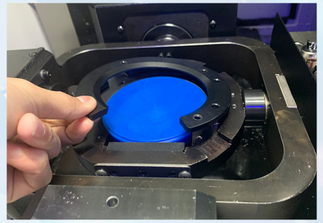
Representation



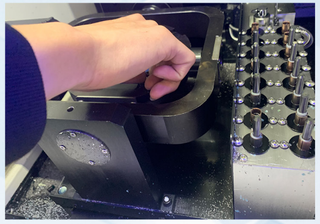
1. After the machine is turned on, the system prompts "Please return to the reference point", click "Return to Zero" with the mouse to return all four axes to zero. After returning to zero, the X, Z, and A machine co-ordinates are all 0.



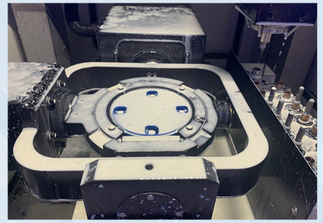
2. Clamp the wax block on the fixture



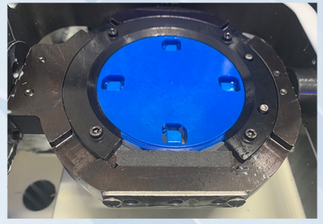
3. Place the gland and cover the gland



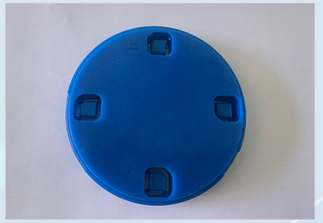
4. And tighten the screws to ensure that the wax block and other clamps are not loose;



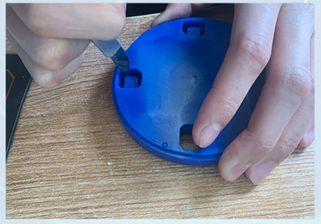
5. Wax block cutting



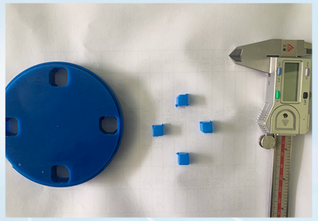
6. Clamp the wax block on the fixture and tighten the screws to ensure that the wax block is not loosened;



7. Cut the wax block into small squares



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

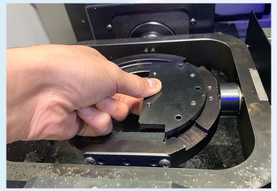


9. Prepare measuring tools

10. Measure the lower, middle and upper thickness, the error is no more than 0.03mm

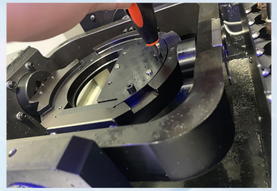
Instructions for operating glass ceramics and titanium columns

Glass ceramic installation steps:



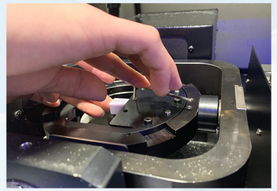
1 put glass ceramic jig

2 Tighten the screws

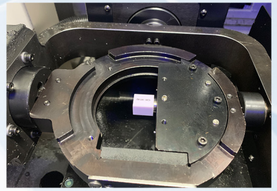


3 Tighten with a wrench

4 put the porcelain block

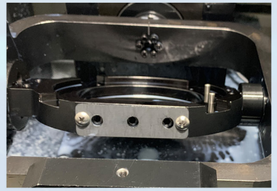


5 Tighten the porcelain block screws



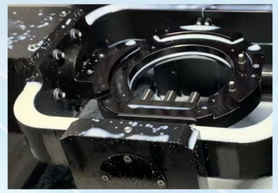
6 complete

Titanium column installation steps:

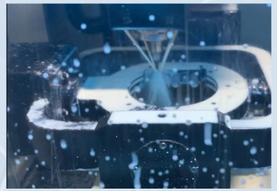


1. Install the titanium column

2. Place the titanium column



3. Three titanium pillars



5. Start milling

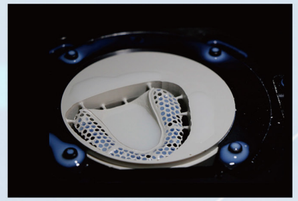
PRECAUTIONS

1. The device must be reset to zero after it is turned on;
2. The equipment needs to be equipped with a chiller;
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 ∪ 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.

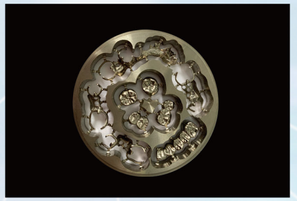
Finished product display

Cutting material

Titanium plate: inner crown, inner crown bridge, dental crown, dental bridge, personalized abutment, bracket
Titanium column: personalized abutment
Resin: Temporary crown and bridge
PEEK: temporary crown, full crown, full crown bridge, inner crown, inner crown bridge, stent
Wax block: crown and bridge, stent, attachment
Glass ceramics: veneers, inlays



PEEK bracket



Crown and Bridge

Abutment

Glass ceramics