



DI-WD5T PRO



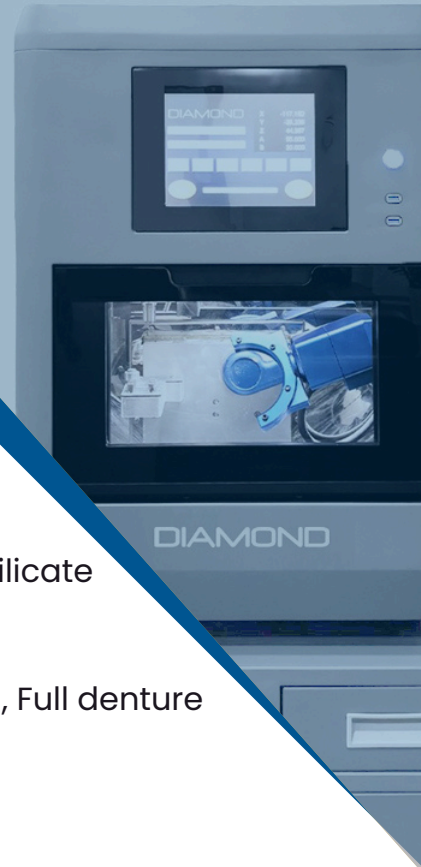
CATALOG

**FOR DI-WD5T PRO
AXIS DENTAL MILLING MACHINE**



DIAMOND
DENTAL SUPPLY

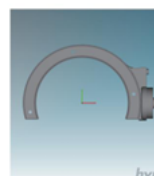
GENERAL SPECIFICATIONS



1. **Axis:** 5
2. **Milling mode:** Dry/Wet
3. **Millable material:** Titanium, Zirconia, PMMA Wax, Lithium disilicate
4. **Product type:** Crown, Coping, Bridge, Inlay/Onlay, Veneer, Premilled abutment, Partial framework Surgical guide, Model, Full denture
5. **Spindle power:** 2.5KW
6. **Machine total power:** 3.0KW
7. **Spindle cooling:** Water
8. **Rotation range:** A: 0-360° B: (+25°) (-35°) can be processed at 60°
9. **Max spindle speed:** 60000
10. **Number of burs (tools) housed:** 17
11. **Tool shank diameter:** 6mm
12. **Compatible compressed air:** No water and no oil 4.5bar-8bar
13. **Loadable workpiece shape:** 98 discs, ceramic block, Pre-stored titanium rods
14. **Voltage/Current:** 220v/50hz
15. **External dimensions (L*W*L):** 630*480*670mm
16. **N.W/G.W:** 111KG/148KG
17. **Control command set:** NC
18. **Positioning accuracy:** 0.002mm
19. **Average milling time (Dental crown):** Zirconia 8-15min, PMMA 8-15min, Wax 5-8min, Titanium 20-25min, lithium disilicate : Veneer 7min, crown 25min
20. **Motor:** Servo motor (HCFA) / Spindle (Haozhi)
21. **Warranty:** 2 Years
22. **Software:** Hyperdent



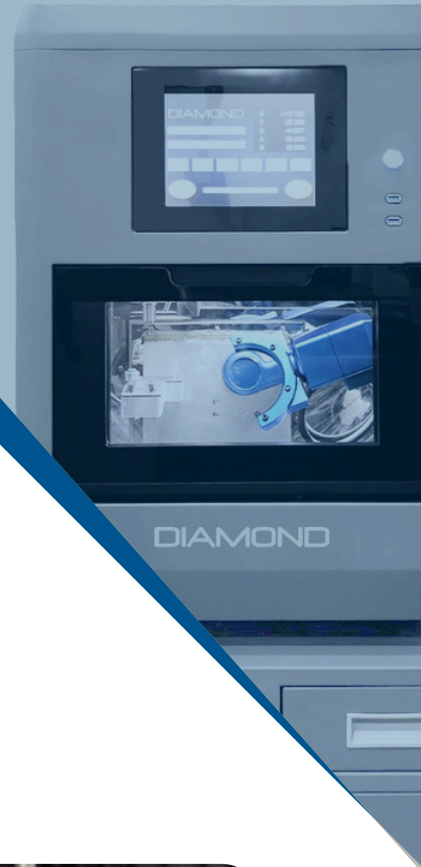
3 Holders





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PICTURE DISPLAY DI-WD5T PRO



PICTURE DISPLAY

DI-WD5T PRO



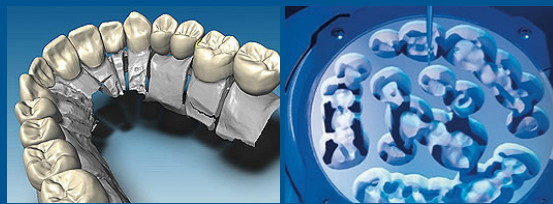
Coping



Coping Bridge



Crown



Crown Bridge



Telescope



Premill Abutment



Zirconia inlay



Zirconia planting in
Malone Bridge



Glass ceramic inlay



Model



Veneer



Wax RPD Framework



Zirconia veneer



Metal RPD Framework



Glass ceramic veneer



All Oral dental



Onlay



Orthodontic braces



Hybrid



Surgical guide





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Millable material:

Titanium, Zirconia, PMMA Wax, Lithium disilicate

Product type:

Crown, Coping, Bridge, Inlay/Onlay, Veneer,
Premilled abutment, Partial framework Surgical guide,
Model, Full denture

Zirconia milling time:

1. One inner crown: 8 minutes
2. One crown with tooth lines: 13-15 minutes
3. 4-units bridges: 30 minutes
4. Full arch: 1.5-2.5 hours

Large B-axis rotation
B-axis rotation angles
up to $+25^{\circ}$, -35° , so-
large angle implants
can be processed



Automatic change and
calibrate tools





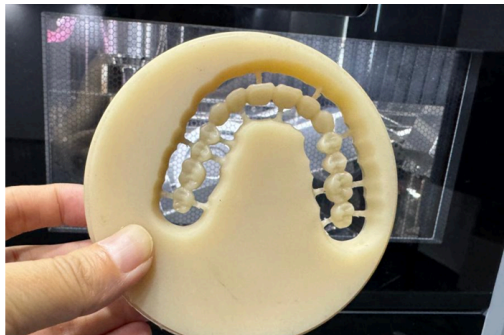
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PREMILL BAR MILLING

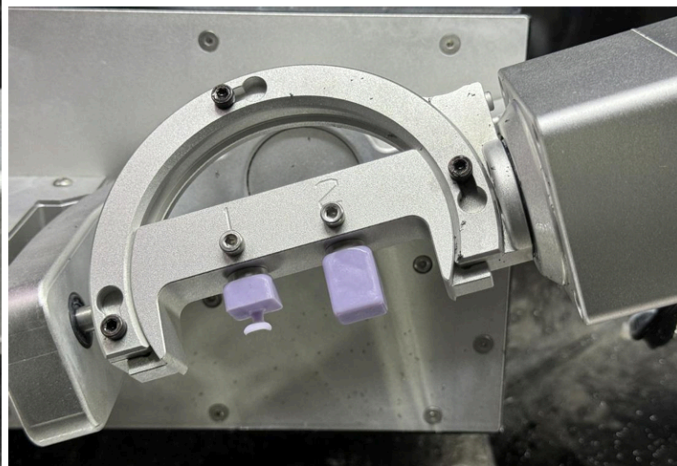


TITANIUM BLANK MILLING

PMMA BLOCKS MILLING

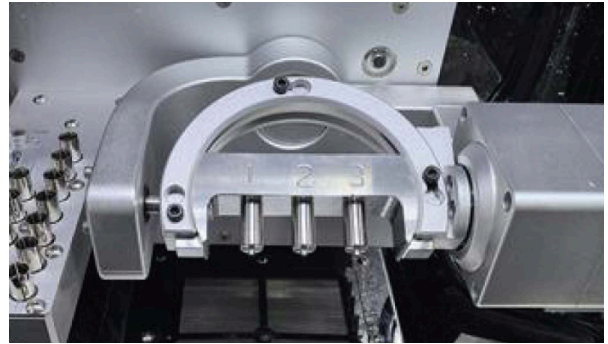
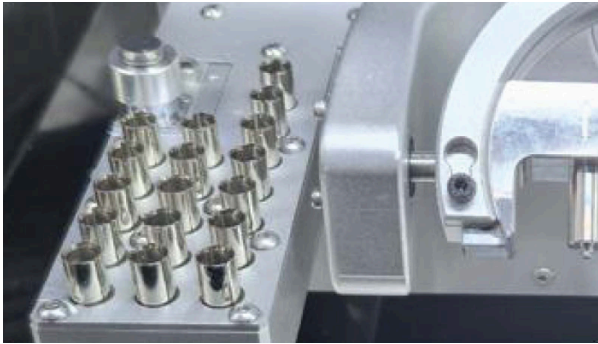


LITHIUM DISILICATE : VENEER 7MIN, CROWN 25MIN

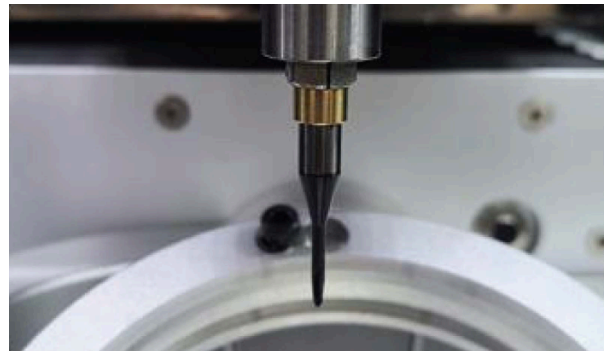
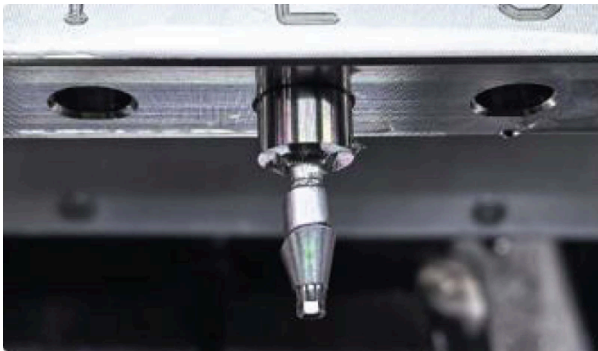




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**5 AXIS WET AND DRY MILLING
MODE MILLING MACHINE, ZIRCONIA AVERAGE MILLING TIME 8-15 MIN**

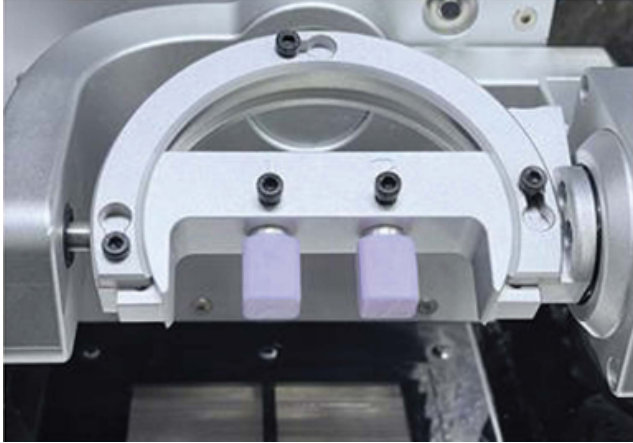


The max speed of the spindle: 60000 rotation/min, can carve the most exquisite teeth Resume when interrupted

In case of unexpected situations, simple operations are sufficient to resume processing from the last interrupted step, avoiding duplicate work and improving processing efficiency

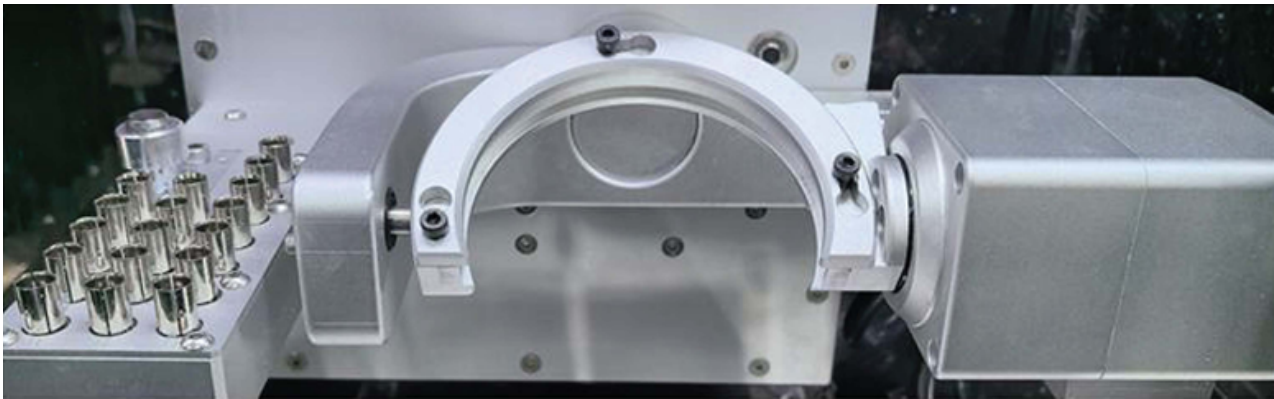


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**5 axis wet and dry
milling mode milling
machine, zirconia
average milling time
8-15 min**

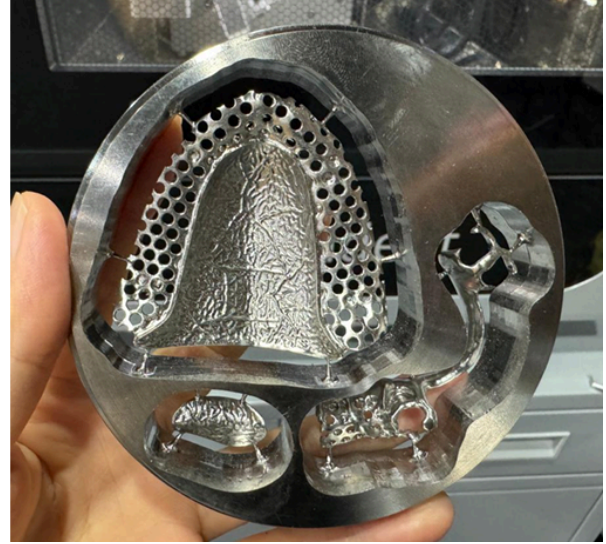
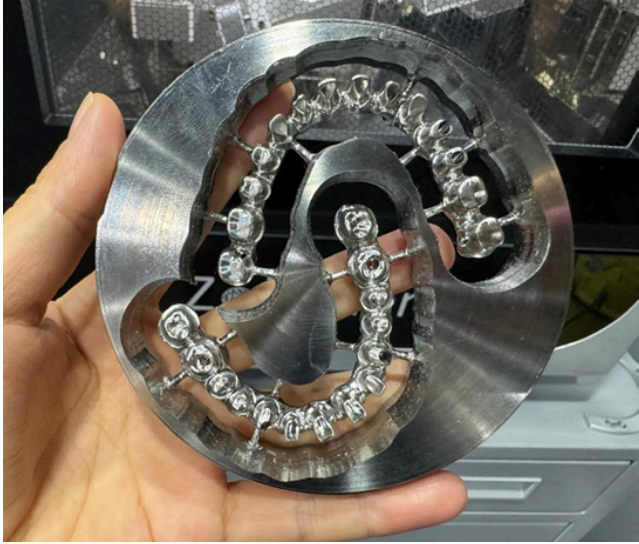
The newly designed fixture can more firmly fix the 98mm disc Using the HCFA servo motor, both durability and precision have been improved compared to before



17 number of burs, including Zirconia Metal PMMA Glass ceramics milling burs



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The DI-WD5T Pro is newly upgraded, we added the database, the new DI-WD5T Pro we are able to cut other metal line books such as maroon bridge, implant bar, etc. We need to install the database for the machine as well as send you new milling burs for the metal material.

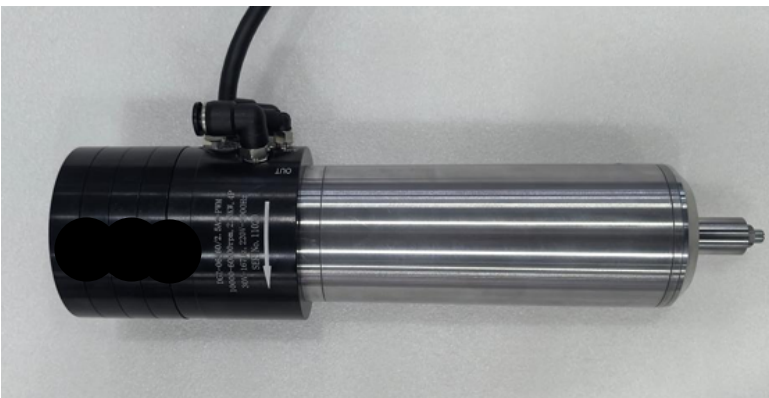


The DI-WD5T Pro dental clinic customers have a higher demand for this, and our machines are also very advantageous in this regard.



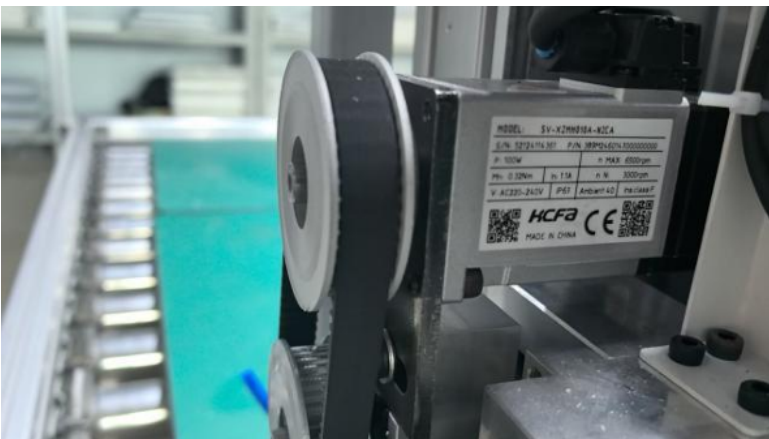
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Our advantage is that our milling machines use motors and spindle from major brands, which are of good quality and durable, and have much greater power. the spindle power of our machine is 1.2KW, other brands in 0.5KW or 0.8KW. This is our Spindle brand-Haozhi, it cooperates with big brands in the world. If it is well maintained, it can last for more than 10 years



SPINDLE-TOP 1 BRAND

This is our spindle and HCFA absolute servo motor Absolute servo motors are 3-4 years more durable than ordinary servo motors and stepper motors, are calibration-free and have a power-off memory function.



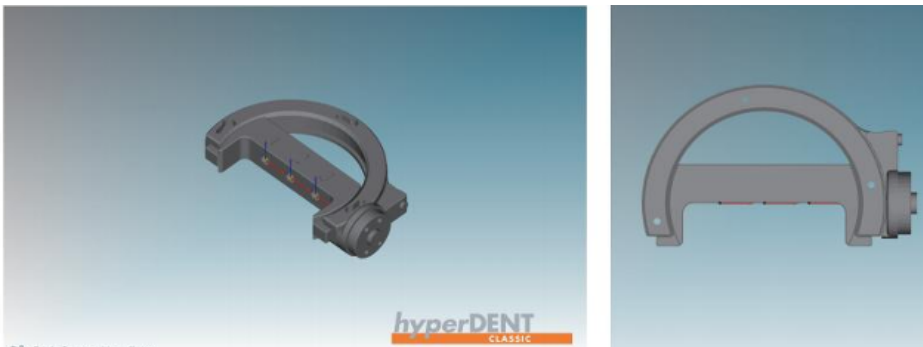
ABSOLUTE SERVO MOTOR-TOP BRAND



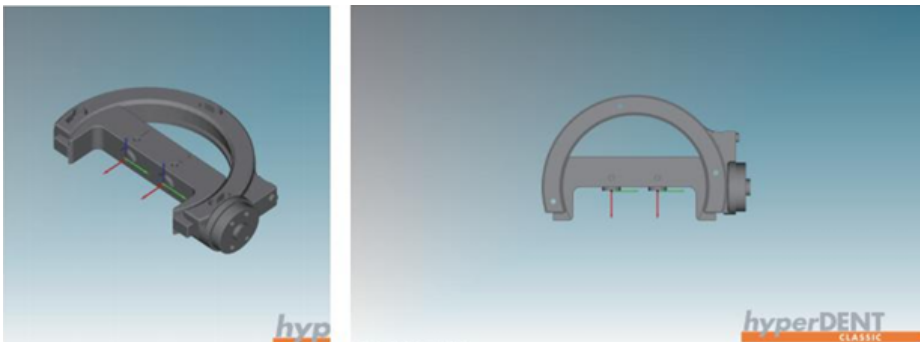


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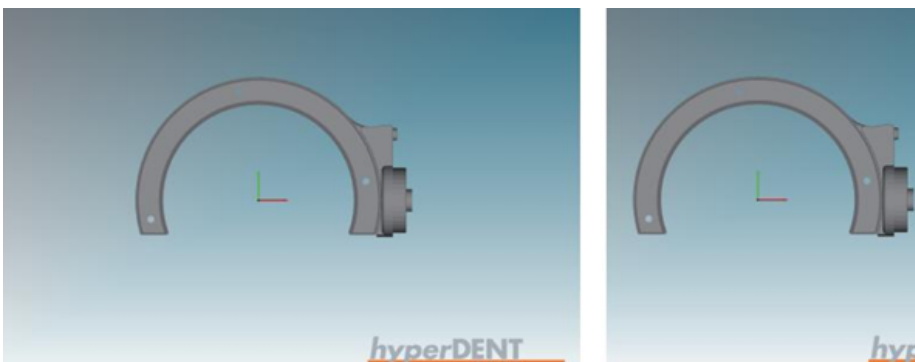
FIXTURE TYPE (HOLDERS)



5-AXIS PRE-STORED BASE FIXTURE



GLASS CERAMIC FIXTURE

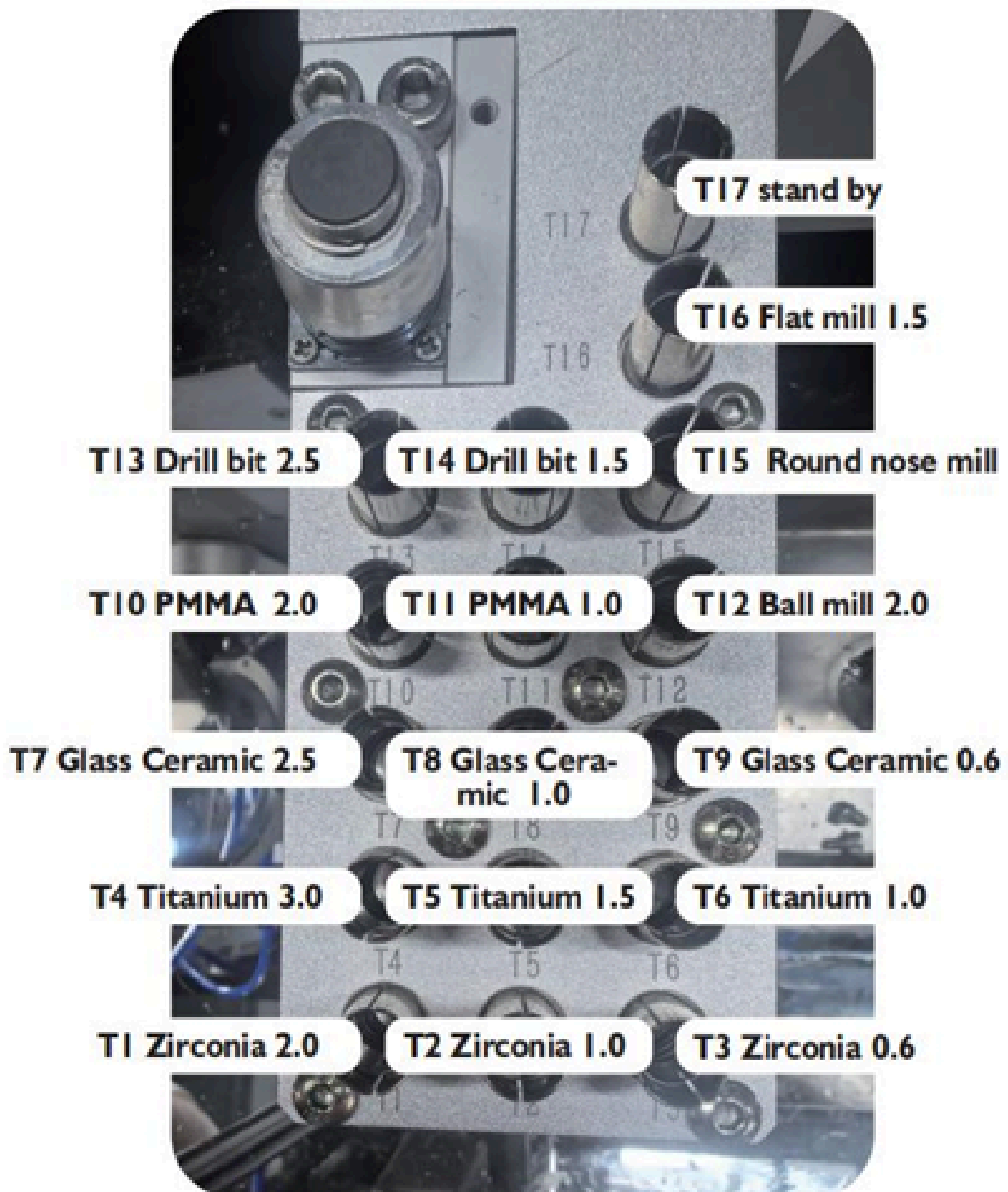


98 SYSTEM FIXTURE



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TOOL MAGAZINE





TOOL MAGAZINE



RI*RCI6*D6*TL50 **2.0**

R0.5*RCI6*D6*TL50 **1.0**

R0.3*RCI0*D6*TL50 **0.6**

Milling burs for zirconia (DC coating, can carve more than 600 crowns)



RI*RCI6*D6*TL50 **2.0**

R0.5*RCI6*D6*TL50 **1.0**

R0.3*RCI0*D6*TL50 **0.6**
(Not standard, shared with T3 0.6mm zirconia milling burs)

Milling burs for PMMA (No coating, can carve 500 crowns)



RI.25*RCI5*D6*TL50 **2.5**

R0.5*RCI0*D6*TL50 **1.0**

R0.3*RCI0*D6*TL50 **0.6**



Ball mill 2.0

T12 **RI RC12 D6 TL50**

Drill bit 2.5

T13 **D2.5 RC18 D6 TL50**

Drill bit 1.5

T14 **DI.5 RC16 D6 TL50**



RI.5*RCI5*D6*TL50 **3.0**

R0.75*RCI0*D6*TL50 **1.5**

R0.5*RCI0*D6*TL50 **1.0**

Milling burs for glass-ceramic (can carve about 25 crowns)



Round nose mill

T15 **DI.5 RC12 D6 TL50**

Flat mill 1.5

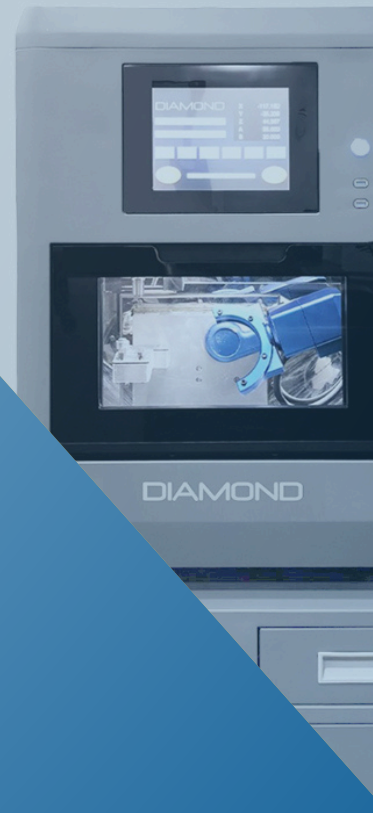
T16 **DI.5 RC12 D6 TL50**

Milling burs for metal (can carve 2-3 titanium disks)



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AFTER-SALES WARRANT



1. The warranty period of our engraving machine is 2 years;
2. The spindle can only be guaranteed for 18 months, and other accessories on the machine can be guaranteed for 2 years.

If there is a problem with the accessories, we will send them to the customer and remotely guide the replacement.

Advantages:

1. No need calibration
2. B axis +25°, -35°, 60°milling,
3. More Powerful, full arch 1.5-2h
4. Best Chinese brand of Servo motor-Haozhi
5. Best Chinese brand of Spindle-HCFA
6. Position Accuracy 0.002mm
7. Better than Roland DWX52D, Aidite AMW 500E



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GET IN TOUCH

At Diamond Dental Supply, we specialize in providing cutting-edge CAD/CAM medical equipment, premium dental ceramics, zirconia blocks, and high-precision milling machines. Our commitment is to deliver innovative solutions that empower dental professionals to achieve exceptional results.

CONTACT US :



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