

# YRC-8S

5-axis Metal Dental Milling Machine



## Powerful functions Precision machining

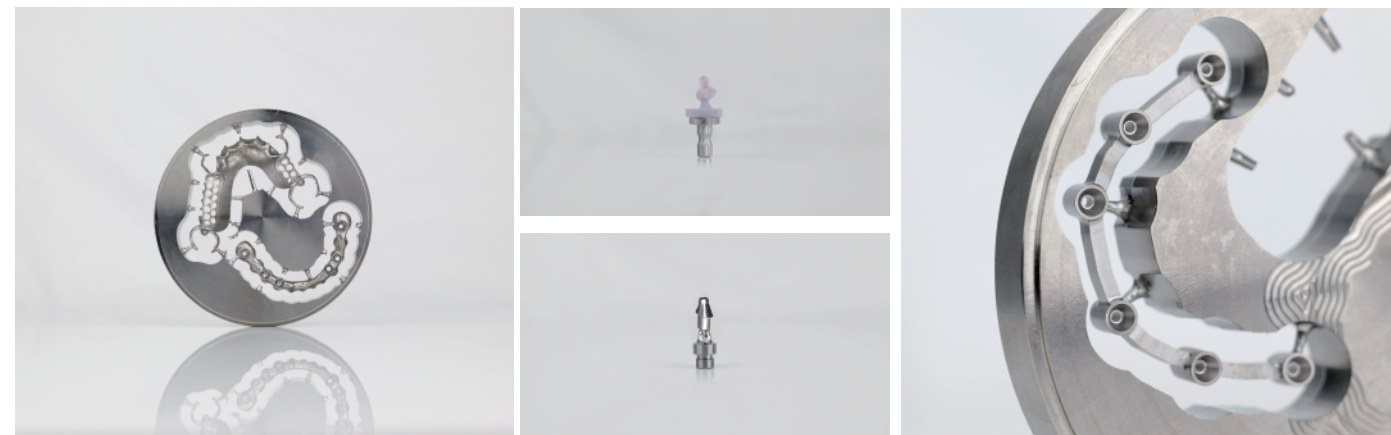
- Micron precision milling
- Automatic calibration
- Resume when interrupted

## YRC-8S

### Highlights!

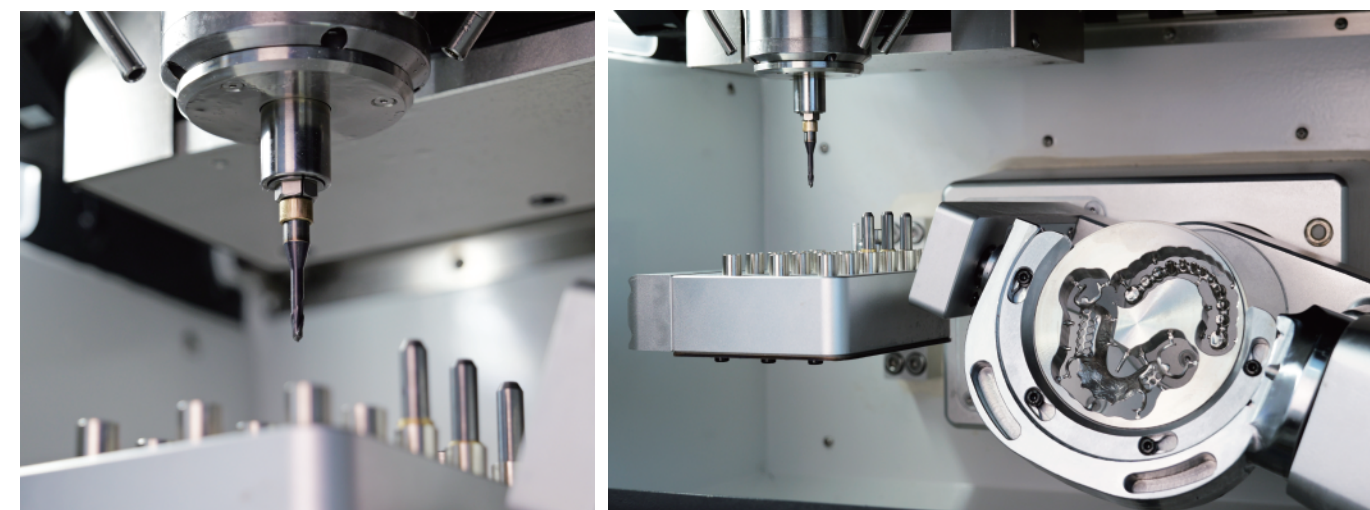
#### 1.Multifunctionality and wide range of applications

Maryland Bridge,Cobalt-Chrome Centure, Clasp, Custom Abutment, Ceramic Veneers etc.



#### 2.High-Speed spindle,Long-term operation, very stable

Speed:0-60000rpm, power:1.8kw



#### 3.Auto cleaning function, double-layer filtration system

Auto cleaning solves the problem of difficult cleaning, and the double-layer filtration system better protects the equipment and makes it durable.



#### 4.Resume when interrupted

In case of an unexpected situation, processing can be automatically resumed from the last interrupted step, avoiding duplication of work and improving processing efficiency.



## YRC-8S

### More advantages More competitive

#### High-precision

- High precision ball screw, Class P3 Grinding guide rail, Fine grinding
- Full servo control system,Achieved closed-loop control of position, speed and torque

#### Super stability

- Adopting international standard full Meehanite cast iron, machine tool cast iron integration, with high rigidity and more stability
- The bottom Fuma wheel design,Strong load-bearing capacity and reduced vibration

#### Humanized design

- The user interface is concise and friendly, and the operation is easy to understand.
- The processing status indicator light is designed to better understand the machine operation status

#### Automation and high efficiency

- High capacity tool magazine, 16pcs milling burs,Satisfy various material processing
- Automatic calibration function to keep the machine at its initial accuracy

#### Excellent after-sales service

- 14-month warranty for core components (Non-human damage)
- Professional after-sales team 24 hours service

#### Personalized customizable functions

- Optional wet and dry intelligent switching module, vacuum cleaner, air pump, milling burs, etc. to meet diverse needs





DETAILS!  
100% UNDERSTANDING OF THE YRC-8S

✔ **Working status indicator light**  
Always know the machine operation status

✔ **High-Speed spindle**  
1.8KW  
Speed:0-60000rpm

✔ **Automatic tool magazine**  
16 tools  
φ6mm

✔ **Integrated structure**  
Make operation more stable  
High rigidity, anti-impact and no deformation

✔ **Fuma wheel**  
Strong load-bearing capacity and reduced vibration  
Easy to move



✔ **Simple Appearance**  
10.4 inches, touch screen operation

✔ **Viewing Window**  
High-definition viewing window for all-round monitoring

✔ **2 types of Holder**  
Suitable for disc pre-milled blank,Lithium Disilicate

✔ **Double-layer filtration system**  
25L liquid tank  
Easy filter replacement

YRC-8S


Machinable materials

Titanium	Lithium Disilicate	Premill	PMMA
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Applications


Maryland Bridge	Cobalt-Chrome Centure	Clasp	Custom Abutment	Ceramic Veneers
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Holder Types



**Standard C-CLAMP**

- Suitable for discs materials of φ98mm,
- 5 Axis Milling
- B-axis rotation angles up to -95° +30°
- Maximum material thickness 35mm



**Block holder**

- 5 positions for 3 Lithium Disilicates, 2 Premills
- Lithium Disilicate block sizes I12/C14/B40 available

Milling Burs

Titanium milling burs				
T1 3.0/6.0mm For roughing	T2 2.0/6.0mm For fine processing, semi-fine processing	T3 D1.5/6.0mm For fine processing	T4 1.0/6.0mm For reaming small holes in surfaces,fine processing	T5 D0.5R0.1/6.0mm For maxillofacial screw hole reaming,roughing
T6 D0.5R0.2/6.0mm For fine processing of implant interfaces	T7 D2.0R0.2/6.0mm For Morse taper finishing	T8 D0.5/6.0mm For ITI internal cone finishing	T9 D0.5R0.1/6.0mm For maxillofacial screw hole reaming,roughing	T10 D1.5/6.0mm For maxillofacial bore plane finishing
T11 D2.0/6.0mm For fine processing of interface surfaces	T12 D1.0/6.0mm For fine machining of the abutment jaws			
Lithium Disilicate milling burs				
T15 D2.5/6.0mm For Lithium Disilicate	T16 D1.0/6.0mm For Lithium Disilicate	T17 D0.6/6.0mm For Lithium Disilicate		

Specification

Basic parameters	
Processing method	Wet
Millable material	Titanium、PMMA、Lithium Disilicate、Premill
Applications	Veneer, Inlay, Full Crown, Implant restoration, Etc.
Total Power	220V/2.5kW
Dimension	595*760*1635mm
Weight	360 kg
Required air pressure	4.5-7.5bar
Power supply	220-230V AC, 50/60HZ
Water tank capacity	25L
Structure parameters	
Number of axes	5
X-axis working stroke	230mm
Y-axis working stroke	120mm
Z-axis working stroke	100mm
Rotary axis A-axis	0~360°
Rotary axis B-axis	-95°~+30°
Tool	Number:16 Diameter:6mm
Spindle	
Speed	0~60,000 rpm
Power	1.8kW
Cooling method	Water cooling
Holder Types	
Holder Types	Standard C-CLAMP Suitable for blocks of Lithium Disilicates and pre-milled

YRC-8S Outline Dimensions(mm)

