

YRC-8PRO

All-in-One
Dry & Wet Dental Milling Machine

- All-in-One Dry & Wet Capability
- Wireless Wi-Fi Connection for Remote Monitoring
- High-Precision Automatic Ball Calibration
- Patented Hydrophobic Structure Eliminates Persistent Leakage Issues



Dry
Wet

5
Axis

18
Tools

3
Clamps

YRC-8PRO ALL-IN-ONE

The YRC-8PRO is a compact dental milling machine with integrated dry and wet modes, compatible with zirconia, lithium disilicate, and titanium discs. Designed for both chairside restorations and high-efficiency lab workflows, it delivers reliable performance and seamless CAD/CAM integration in a single unit.

Highlights

1.All-in-One Dry & Wet Capability

A true dual-mode milling solution—precisely handles zirconia, lithium disilicate, and titanium discs with ease. Perfectly suited for both chairside restorations and high-throughput lab production, delivering flexibility and efficiency in one powerful unit.

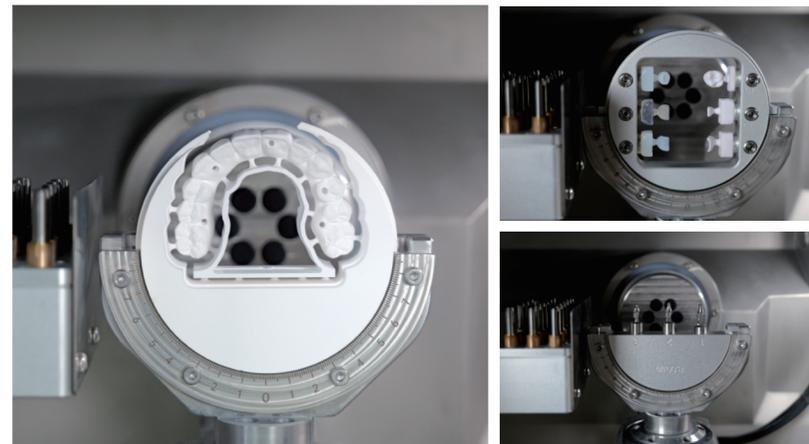


2.High-Speed Spindle for Maximum Efficiency

Equipped with a 60,000 RPM high-power spindle, the YRC-8PRO delivers ultra-fast milling while ensuring consistent, high-volume output with exceptional precision.

3.Three Dedicated Fixtures for Material-Specific Precision

Custom fixtures tailored to different dental materials integrate with a rigid 3+2-axis structure, delivering exceptional milling stability and enabling a high-precision digital workflow.



4.Fully-Automatic Calibration System & Remote Monitoring

A high-precision, fully-automatic probe calibration system, easy to operate. Equipped with a built-in camera for remote monitoring of processing progress and handling of after-sales exceptions.



5.Automatic Tool Changer with Smart Wear Prediction

The 18-slot automatic tool changer, enhanced by AI-driven wear monitoring, enables real-time diagnostics and proactive replacement—ensuring uninterrupted, reliable production.

YRC-8PRO ALL-IN-ONE

More advantages More competitive

High-Throughput Milling Engine for Continuous Production

- 5-Axis Simultaneous Machining, Industrial-Grade Stable
- 90° vertical milling ensures accurate shaping of occlusal and proximal surfaces for detailed anatomical restorations.
- An automated calibration system guarantees consistent milling quality under continuous operation.

Remote Monitoring for Smarter Production Management

- Access real-time machine status anytime, anywhere.
- Monitor milling progress, workload, and efficiency remotely—ensuring full visibility and control of production data.

Compact Footprint, Optimized for Space-Constrained Environments

- Engineered for tight chairside setups and high-density lab workflows.
- The integrated dry & wet design eliminates equipment switching, improving operational flow and maximizing workspace efficiency.

Innovative Hydrophobic System for Clean, Leak-Free Operation

- A proprietary hydrophobic drainage design directs water flow for efficient recovery.
- Protects internal components and extends machine lifespan.



DETAILS! 100% UNDERSTANDING OF THE YRC-8PRO

Automated Ball Calibration

High Precision
Simple Operation



Powerful Spindle

2.5KW 60000rpm



Space-Smart Compactness

Split-Design for Effortless Logistics



Remote monitoring system

Real-time Remote Production Progress Tracking

Holders

Three Dedicated Fixtures,
Accommodate diverse material specifications

Automatic changing tools

18 tools
Tool lifetime monitoring system



*Product parameters and software functions may be adjusted due to technical upgrades or version iterations, the actual performance of the delivery version shall prevail.

YRC-8PRO ALL-IN-ONE

Machinable materials

Zirconia block	PMMA	Wax	Lithium Disilicate	Pre-milled Blank	Titanium
----------------	------	-----	--------------------	------------------	----------

Material processing time

Material type	Zirconia block					Lithium Disilicate			Titanium			
	Tooth type	Anterior Single Crown	Posterior Single Crown	Anterior 3-Unit Bridge	Posterior 3-Unit Bridge	Full-Arch Implant Prosthesis (4-6 implants)	Crown	Inlays /Onlays	Veneer	Titanium Crown	Titanium Framework	Conventional Metal Bridge
Time	about 10min	about 20-25min	30min	40min	about 240min	10-30min				about 30min	about 180min	one implant bore about 50min

Holder Types

Standard C-CLAMP

- Suitable for discs materials of φ98mm,
- 5 Axis Milling
- B-axis rotation angles up to -30°~+90°
- Material thickness 10-25mm



Premill Abutment holder

- 3 positions, Suitable for pre-milled blank
- Standard Configuration: ARUM Interface



Block holder

- 6 positions, suitable for blocks of Lithium Disilicate, resin and zirconia
- Lithium Disilicate block sizes I12/C14/B40 available



Milling Burs

Zirconia milling burs

T1 Roto D2.0/6.0mm	T2 Roto D1.0/6.0mm	T3 Roto D0.6/6.0mm	T4 Flat D1.5/6.0mm	T5 Roto D0.3/6.0mm
--------------------	--------------------	--------------------	--------------------	--------------------

Resin milling burs

T6 Roto D2.0/6.0mm	T7 Roto D1.0/6.0mm	T8 Roto D0.6/6.0mm	T9 Flat D1.5/6.0mm
--------------------	--------------------	--------------------	--------------------

Lithium Disilicate milling burs

T15 Roto D2.5/6.0mm	T16 Roto D1.0/6.0mm	T17 Roto D0.6/6.0mm
---------------------	---------------------	---------------------

Titanium milling burs

T1 Roto D3.0/6.0mm	T2 Roto D2.0/6.0mm	T3 Roto D1.5/6.0mm	T4 Roto D1.0/6.0mm	T5 Roto D0.5/6.0mm
--------------------	--------------------	--------------------	--------------------	--------------------

T6 End mill D2.0/6.0mm	T7 End mill D1.5/6.0mm	T8 End mill D1.5/6.0mm	T9 Drill D2.5/6.0mm	T10 Drill D1.5/6.0mm
------------------------	------------------------	------------------------	---------------------	----------------------

T11 Flat D2.0/6.0mm	T12 Flat D1.0/6.0mm	Backup Tool Magazine T13 Flat D2.0/6.0mm
---------------------	---------------------	---

Specification

Basic parameters

Number of axes	5
Processing method	Dry&Wet
Millable material	Zirconia block, PMMA, PEEK, WAX, Lithium Disilicate, Titanium
Applications	Crown, Bridge, Veneer, Inlay/Onlay, Abutment, Screw-Retained Bridge
Material Thickness	10-25mm
Total Power	3.7kW
Dimension	525*700*784mm
Weight	150kg
Required air pressure	6Bar
Water tank capacity	10L
Power supply	Single-phase 220V 50/60Hz
Control System	Embedded Multi-axis CNC System + Servo Motors

Structure parameters

X-Y-Zaxis working stroke	160mm*115mm*105mm
Rotary axis A-axis	±360°
Rotary axis B-axis	-30°~+90°
Tool	18

Spindle

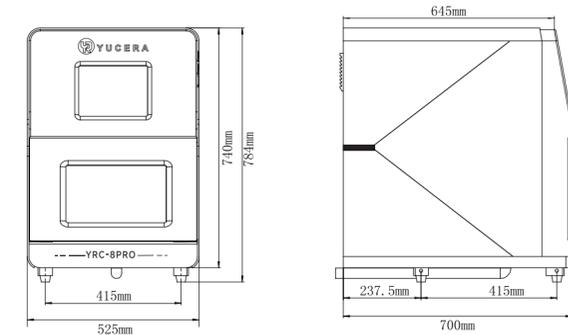
Speed	60,000 rpm
Power	2.5kw
Collet	Φ6 mm
Cooling method	Water cooling
Maximum Feed Rate	5000/10000mm/min

Clamps

Clamps	Standard C-CLAMP
	Block holder
	Premill abutment holder

www.yucera.com

SUPPLIER OF PROFESSIONAL DENTAL
MATERIALS AND EQUIPMENT



Shenzhen Yurucheng Dental Materials Co.,Ltd.

Tel: 400-995-8505 Email: info@yucera.com
Add: No. 35, Zhuqing Road, Shijing Community, Shijing Street,
Pingshan District, Shenzhen, China

