



Zirconia Rapid Sintering Furnace

YRC-HS007



Efficient Sintering, Faster, More Stable, Smarter

Product Parameters

Model	YRC-HS007
Furnace size	Safe Cavity:Diameter ≤ 105mm, Height < 80mm
Dimensions	420mm*568mm*816mm
Net weight	73kg
Power supply	220V±10%, 50/60Hz, 13.6A
Rated Power	3KW
Sintering Capacity	Single Layer: ≤ 30 units Dual Layer: ≤ 60 units
Number of curves	10 Pre-set Fast Sintering Programs / 189 User-Defined Programs / 1 Non-Editable Program (Cleaning Cycle)
Temperature Range	Room temperature~1650°C
Accuracy of constant temperature	≤±2°C
Thermo couple	Type B
Heating elements	4*1850°C Molybdenum Silicide Rods
Heating Rate	≤200°C/min
Hearth material	Aluminum Oxide Fibe
Crucible material	Standard Crucible: Alumina Ceramic Fast Sintering Crucible: Aluminum Oxide Fiber

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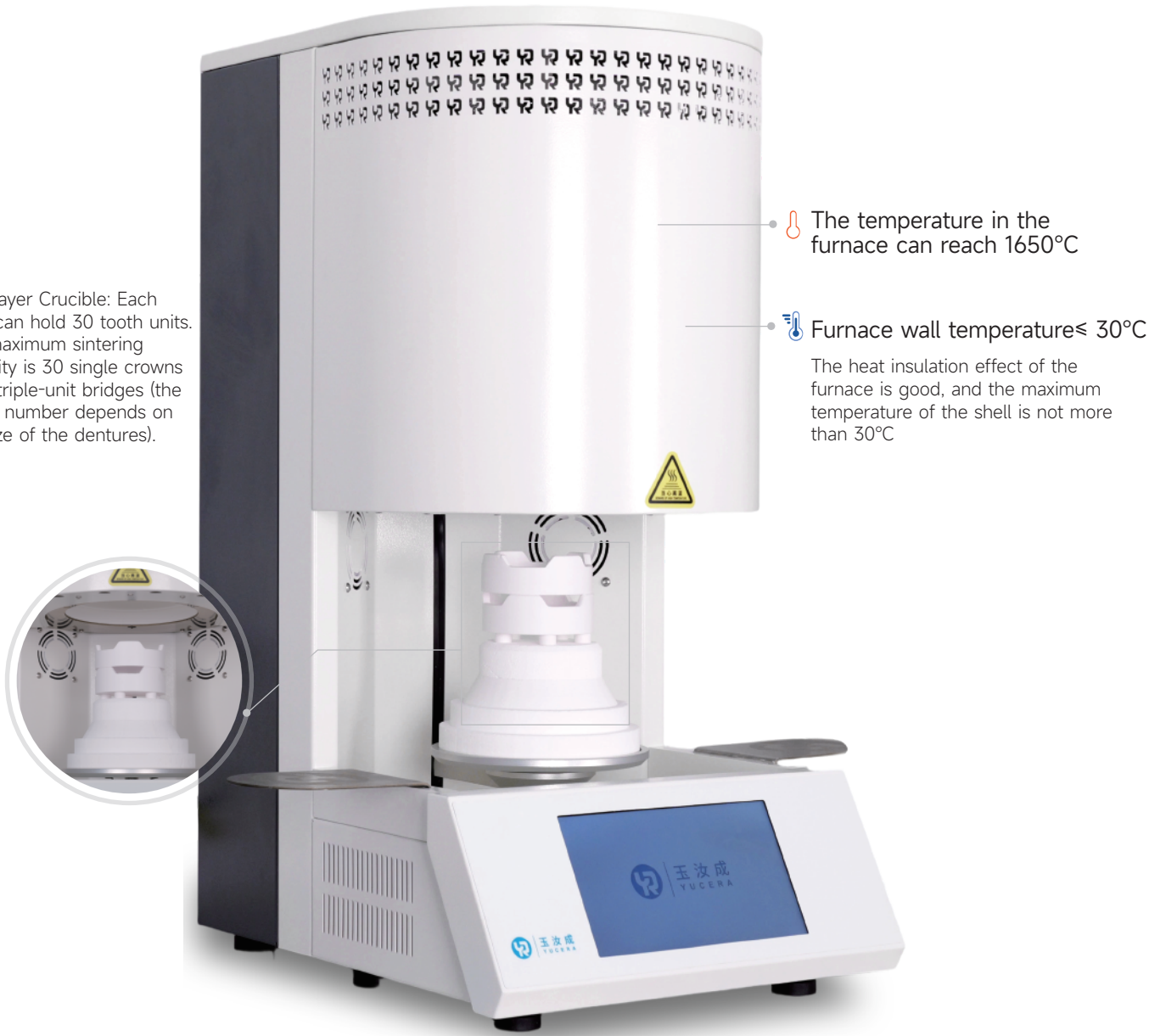


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Product introduction

The YRC-HS007 is a versatile zirconia rapid sintering furnace innovatively manufactured by Yucera. Equipped with high-purity molybdenum silicide heating elements, it achieves precise temperature field control for uniform and consistent sintering results. Featuring a 40-minute rapid sintering cycle (when paired with Yucera's 3D Flash zirconia blocks) and a dual-layer crucible design, it significantly enhances restoration efficiency and production capacity. Suitable for diverse scenarios in both dental laboratories and chairside clinical settings, it enables faster treatment workflows, more predictable restoration outcomes, and increased patient satisfaction.

Dual-layer Crucible: Each layer can hold 30 tooth units. The maximum sintering capacity is 30 single crowns or 10 triple-unit bridges (the actual number depends on the size of the dentures).



Note: The temperature of the furnace's external wall is related to the ambient room temperature. The operating environment should be maintained within a temperature range of 25°C ±10°C and a maximum relative humidity of 60%, non-condensing. Maintain at least 1 meter of clearance above the equipment for ventilation, 0.5 meters on both sides, and 0.2 meters behind.

Product Features



40-Minute Fast Sintering

- Achieves a heating rate of 200°C/min, completing sintering in as fast as 40 minutes.
- The dual-layer crucible supports sintering up to 60 single crowns.
- For optimal results, use with Yucera's 3D Flash Zirconia Blocks.



Intelligent & Precise Temperature Control

- PDI intelligent temperature control ensures uniform sintering color.
- The furnace is lined with aluminum oxide fiber for excellent, long-lasting heat retention.
- Includes a power-off recovery function for uninterrupted operation.



Safety, Reliability & Durability

- Superior furnace insulation keeps the external shell temperature ≤30°C, ensuring safer operation.
- Utilizes high-purity molybdenum silicide heating elements, offering purity, oxidation resistance, and a long service life.
- Monitors temperature, current, and voltage in real-time, with automatic alarms for any anomalies.



User-Friendly & Effortless Operation

- The 10-inch touchscreen allows for easy and intuitive control.
- Supports 189 custom programs and 10 preset programs, enabling one-touch sintering.
- The pre-drying function enhances overall workflow efficiency.

Heating Rate

When Using Fast Sintering Box

Temperature(°C)	1~1000°C	1000~1200°C	1200~1400°C	1400~1550°C	1550~1650°C
Rate of temperature rising °C/min	10~200°C/min	10~100°C/min	10~70°C/min	10~50°C/min	10~30°C/min

When Using Standard Sintering Box

Temperature(°C)	1~1000°C	1000~1200°C	1200~1400°C	1400~1550°C	1550~1650°C
Rate of temperature rising °C/min	10~200°C/min	10~60°C/min	10~40°C/min	10~25°C/min	10~15°C/min

Product Accessories



Coilbase top



Coilbase middle



Coilbase bottom



Sintering box*2



Zirconium bead*2



Plug



Stainless steel tray*2



Red Long-Handled Tongs