

PRODUCT PARAMETERS

Model	CSF-400Pro
Chamber	Φ 110×H110mm
Dimension	516×385×816mm
Net weight	77.5kg
Power supply	220-240V, 50/60Hz, 16A
Rated power	3.5KW
Sintering capacity	60 single crowns
Number of curves	24 curves
Temperature range	Room temperature -1600℃
Temperature accuracy	±1℃
Thermocouple	Type B
Heating element	Silicon molybdenum rod
Heating rate	100℃ /min
Chamber material	Corundum mullite
Crucible material	Corundum

Aidite

CSF-400Pro
Zirconia Sintering Furnace

High-efficiency sintering | Extended service life | High temperature
Rapid heating + cooling protection



Aidite

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Everyone with a healthy and beautiful smile

CSF-400Pro ZIRCONIA SINTERING FURNACE

As a leading innovator in the industry, Aidite is committed to delivering digitalization and intelligence to dental professionals worldwide. The newly launched CSF-400Pro zirconia sintering furnace sets a new standard in performance and functionality. Its unique double-layer crucible design accommodates up to 60 single crowns per cycle, perfectly meeting the high-volume production demands of dental laboratories. Equipped with a 7-inch touchscreen with Aidite's advanced UI program, it integrates operation guidance, fault alarms, and maintenance tutorials, significantly reducing training time and improving efficiency. Utilizing 4 premium imported silicon molybdenum rods, it ensures an extended service time, high sintering temperatures and minimized maintenance costs, offering an unparalleled experience for modern dental applications.

High speed, high capacity, excellent sintering performance, safety

Specifically designed for Aizir Flash Long Span Bridges rapid sintering, achieving a sintering time of only 6.7 hours, CSF-400Pro significantly enhances the efficiency of dental prosthetics processing. As the new generation product of zirconia sintering furnace, CSF-400Pro delivers the quality and reliability that you have come to expect from Aidite.

1.High-capacity sintering

Sintering up to 60 units stacked in two levels

2.Safety



EFFICIENT AND INTELLIGENT BEYOND EXPECTATIONS

Pursuing excellence in sintering performance and intelligent applications

Fast sintering speed with rapid sintering speed, the heating rate from room temperature to 1000 °C can reach up to 100 °C/min, enabling long bridges to be sintered in 6.7 hours		No leveling required and highly sealed equipped with a flexible lifting platform
High-performance silicon molybdenum rod new-type silicon molybdenum rod, individually exchangeable		Custom sintering curves 24 curves
Minimized learning and maintenance costs features integrated operation guidance, fault alarms, and maintenance instruction systems		High-quality cooling system The furnace door is automatically opened when the temperature drops, and the outer shell temperature is low
Lifting mechanism mechanical self-locking with long service time		Various sinterable materials gentle sintering for all Aidite materials
One-click recovery and backup The curve can be restored with one click after being changed at will		Power-off continuation of burning After power-off and restart, the equipment automatically sinters the curve before power-off