

PRODUCT PARAMETERS

Model	CSF-400C
Chamber	Φ 110×H110mm
Dimension	510×385×817mm
Net weight	52Kg
Power supply	200-240V AC 50/60Hz
Rated power	3.2KW
Sintering capacity	60 single crowns
Number of curves	30 curves
Temperature range	Room temperature -1560 C
Temperature accuracy	±1℃
Thermocouple	Type B
Heating element	Silicon carbide rod
Heating rate	≤30 C /min
Chamber material	Corundum mullite
Crucible material	Corundum

Aidite

CSF-400C
Zirconia sintering furnace

High-efficiency sintering | Long service life, high temperature
Thermal shutdown protection



Aidite

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CSF-400C ZIRCONIA SINTERING FURNACE

As an industry leader, Aidite brings digitalization and intelligence to every dental institution and practitioner. The newly developed CSF-400C zirconia sintering furnace, featuring powerful functionality and outstanding performance. Its unique double-layer crucible design enables sintering of 60 single crowns per batch, meeting the high-volume production demands of processing plants. The 7-inch touchscreen interface, paired with Aidite's new UI program, incorporates built-in operation prompts, fault alerts, and maintenance tutorials to reduce operator training time. Equipped with four imported silicon carbide heating rods, it offers extended service life, high sintering temperatures, and lower maintenance costs.

zirconia sintering furnace

High sintering volume, excellent sintering results, and safety

1.High-capacity sintering

Sintering up to 60 units stacked in two levels, Two full-arches can be sintered in a single cycle

2.Safety

- 🔥 The firing temperature can reach up to 1560℃
- ❄️ Furnace shell temperature ≤ 60℃

Lined with high-quality insulating material, the furnace shell temperature remaining below 60℃

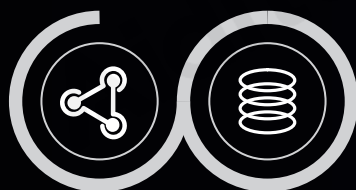


EFFICIENT AND INTELLIGENT BEYOND EXPECTATIONS

Pursuing excellence in sintering performance and intelligent applications

high-performance heating element

Japanese silicon-carbon rod



Custom sintering curves

30 curves
All 30 curves can be edited independently.

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

Applicable to Aidite's AiZir, 3D Pro zir, SuperfectZir, Ezneer, New SuperfectZir

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