

Programat®

A STORY OF SUCCESS



Programat® S1

Engineered for
performance and efficiency

The exceptional sintering furnace

Programat® S1

SINTERING ZrO₂ CROWNS IN JUST 90 MINUTES

The systems approach at the forefront

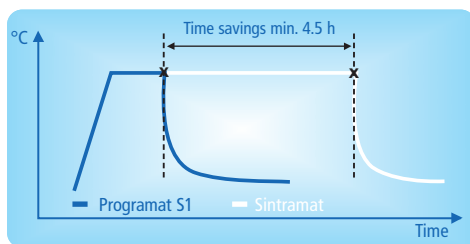


Matching components as the key to success

Ivoclar Vivadent strives to coordinate its equipment and materials in the best possible way, so that customers can achieve exceptional results with these products. This philosophy also guided the developers of the new Programat S1 when they designed the new sintering furnace. Therefore, users can rely on this piece of equipment to produce precision sintering results quickly and easily.

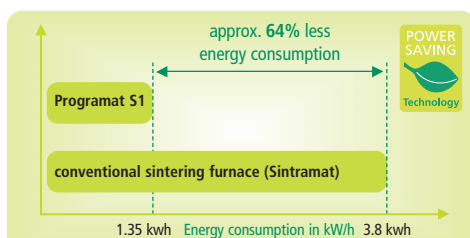


Efficiency and economy



Short sintering process saves a lot of time

The new Programat S1 sinters restorations in significantly less time than conventional sintering furnaces. Until now, this process lasted five to eight hours. The new Programat S1 reduces the time to about 90 minutes. This translates into more efficiency for users, because crowns and bridges on ZrO₂ base structures can now be fabricated in one working day.



Cost-effectiveness and energy efficiency (Power Saving Technology)

The time-saving sintering process has a positive effect on the production costs. Because the process takes less time, less energy is consumed. The diagram on the left shows how much energy is saved with the Programat S1 compared with a conventional sintering furnace.



Programat S1

Sintering 32°C
01:29
P 1 Crown

STOP
START

P1 P2 P3 P4 P...

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START

Programat® S1

Comfortable and easy operation



Standby



Sintering in progress



Error



Graphics display and proven membrane-sealed keypad

The user-friendly control panel features a graphics display screen which clearly shows all the information required. The furnace is easy to operate and program by means of the time-tested membrane-sealed keypad.

OSD operating status display

The optical operating status display of the Programat S1 uses different colours to inform the user about the actual operating status of the furnace. The status of the unit is visible even from a large distance.

Easily accessible sintering chamber

The furnace head tilts upwards, which gives the operator ample room in which to work. Therefore, objects can be placed in the sintering chamber with ease. The specially developed sinter tray tongs facilitate the placement of the sinter tray.

Compact design and light weight

In contrast to conventional sintering furnaces, which are generally very bulky and heavy, the Programat S1 is characterized by its compact design and light weight. Compared with conventional sintering furnaces that weigh up to 100 kg, the new unit weighs in at only 28 kg.



Ready
IPS & max. ZICAD 30min
P1 Crown
START

P1 P2 P3 P4 P=

STOP
START

fractur
wieder

Programat® S1

Technology



Removable furnace head

The furnace head can be detached from the base of the unit for transport and maintenance purposes. As a result of this feature, the furnace is very easy to maintain.



Calibration option

This sintering furnace can be calibrated. Therefore, the sintering temperature can be checked at any time and adjusted if necessary.



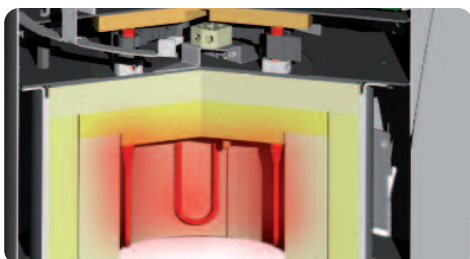
USB port

The furnace features a USB interface, which allows it to be connected to a PC or laptop. Consequently, the furnace software can be updated if required.



Remote control via PC/laptop

The PrograBase software installed on a PC or laptop enables the unit to be operated from a distance. In addition, firing processes can be documented and programmed. Therefore, the unit is optimally equipped for the digital future.



New heating muffle technology

The Programat S1 features a new type of heating element, which is specially designed for intensive everyday use. This heating element is characterized by its long service life and its even heat emission, which is essential to producing excellent sintering results.



Programat S1

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STOP

START

P1 P2 P3 P4 P5

INFO

← → - +

IPD x max 20CAD

P1 Crown

START

Programat® S1

Technical data

| | |
|--|--|
| Power supply | 118–240 V 50–60 Hz Overvoltage category II Tolerated voltage fluctuations $\pm 10\%$ |
| Max. power consumption | 16 A at 118 V 8 A at 240 V |
| Dimensions of closed furnace | Depth: 430 mm Width: 310 mm (including cooling tray) Height: 570 mm |
| Max. sintering temperature | 1530°C/2786°F |
| Weight | Furnace base: 10 kg Furnace head: 17 kg |
| Safety information | The furnace has been built according to the following standards: <ul style="list-style-type: none">– IEC 61010-1-2001– EN 61010-1-2001– UL 61010-1-2004– CAN/CSA-C22.2 No. 61010-1-2004– IEC 61010-2-010-2003– EN 61010-2-010-2003– CAN/CSA-C22.2 No. 61010-2-010-2004 |
| Radio protection / electromagnetic compatibility | EMC tested |



This product forms part of our All-Ceramics and Implant Esthetic fields of competence. All the products of these fields are optimally coordinated with each other.

Delivery form

- 1 Basic unit
- 1 Sinter tray
- 1 Sinter tray tongs
- 1 S1 Temperature Checking Set Starter Kit
- 1 Power cord
- 1 Warranty Certificate
- 1 Operating Instructions
- 1 Service Passport

Colour:
White (RAL 9016)

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Ivoclar Vivadent AG
Benderstr. 2
FL-9494 Schaan
Principality of Liechtenstein
Tel. +423 / 235 35 35
Fax +423 / 235 33 60
www.ivoclarvivadent.com

ivoclar
vivadent
passion vision innovation