

Programat[®] CS2

The glazing and crystallization furnace



Fast and
easy for flawless
IPS e.max[®] CAD restorations

ivoclar
vivadent[®]

The furnace that opens up a whole new world. For dental practices.



Innovative

The new Programat® CS2 has been developed especially for processing IPS e.max® CAD. The furnace renders crystallization and glaze firing in the dental office extremely easy and fast.

Designed for simple and intuitive operation, Programat CS2 offers pre-set Ivoclar Vivadent programs and a controlled cooling process.

EVEN MORE



- Large time-remaining display
- Backup power time of up to 10 seconds in the event of a mains failure
- QTK2 muffle technology with SiC bottom reflector
- Selectable signal tones of the loudspeakers
- Cooling tray accommodating two firing trays



Glaze and crystallization firing. At the push of a button.



Ease of operation

Programat CS2 can be conveniently operated by means of the wide touchscreen colour display. The most important functions, however, are selected via the time-tested membrane-sealed keypad.

OSD display

The optical operating status display (OSD) of the Programat CS2 uses different colours to inform the user about the actual operating status of the furnace (Red = Heating, Green = Ready).

Programat CS2 comes with a range of programs ideally adjusted to IPS e.max CAD materials. Moreover, the furnace is equipped with a controlled cooling phase for the crystallization process.

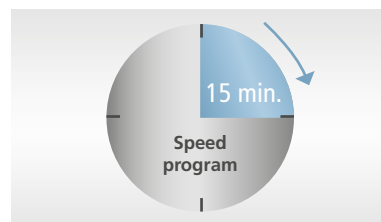


The time-remaining indicator shows the time left in the running process.

Further highlights

Speed program for IPS e.max CAD

With this program, IPS e.max CAD can be crystallized even faster^[1]. This makes the furnace even more cost-effective.



Multi-functional furnace with 20 individual programs

In addition to the pre-set Ivoclar Vivadent programs, Programat CS2 offers 20 individual programs. They are ideally suited for glaze and corrective firing procedures, and for firing procedures involving veneering ceramics.



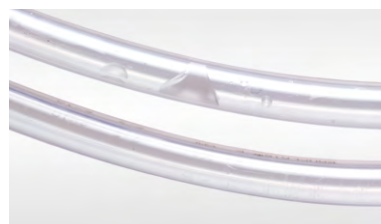
Firing tongs and integrated tong holder

The firing tongs allow objects to be easily placed in and removed from the firing chamber. When not in use, they conveniently store away in the holder.



Reduced-noise vacuum technology

Due to the new double-valve vacuum technology, the noise level of the vacuum pump is reduced to a minimum. Once the desired vacuum level has been reached, the pump of Programat CS2 automatically shuts down and maintains the vacuum.



LAN and USB ports

The LAN and USB interfaces permit connection of the furnace to other equipment, e.g. printers, USB flash drives and external hard drives. Software updates can also be performed using a USB flash drive.



ATK2 temperature calibration

The automatic double-range temperature calibration set (ATK2) enables fully automatic temperature calibration in two temperature ranges. This ensures high firing precision and outstanding firing results.



Remote diagnostics through the Internet via e-mail

A diagnostic file can be generated at the push of a button if technical support is needed. The file can be conveniently e-mailed to one of the service centres, which will attend to the issue immediately.



[1] Arnold L., IPS e.max CAD crystallization program durations of Programat CS2, CS3 and CS6, *Test Report*, Ivoclar Vivadent, 2021.

Programat®

A STORY OF SUCCESS

Economical
Efficient
Future-oriented



Stand-by key saves power

Efficient use of energy and responsible use of valuable resources: Ivoclar Vivadent is committed to this goal. Therefore, the Programat CS2 is equipped with the new Power Saving Technology. In the stand-by mode, the energy consumption of the furnace drops by almost 40 percent. As a result, you save on electricity costs and help to protect our environment at the same time. Look out for the Power Saving Technology label on the back of your device.

Saving electricity is easy

Simply press the Power Saving key: If the furnace is not being used, briefly press the Power Saving key to activate the power-saving mode.

Technical Data

Power supply	100 V, 50 – 60 Hz 110 – 120 V, 50 – 60 Hz 200 – 240 V, 50 – 60 Hz admissible voltage fluctuations $\pm 10\%$
Max. power consumption	14 A at 100 V 12 A at 110 – 120 V 8.5 A at 200 – 240 V
Vacuum pump data	Max. power consumption: 250 W / max. leakage current 0.75 mA Final vacuum: < 50 mbar Only tested pumps should be used
Dimensions of closed furnace	Depth: 465 mm Width: 320 mm / 390 mm (with cooling tray) Height: 320 mm
Dimensions of firing chamber	Diameter: 90 mm Height: 80 mm
Max. firing temperature	1200 °C
Weight	Base: 15.6 kg

Delivery Form

Programat CS2

Power cord
Vacuum hose
Programat firing tray kit
Automatic Temperature Checking Set ATK2 (test sample)
USB download cable
Programat USB flash drive

Recommended Accessories

(not contained in the delivery form)

Programat Accessories Set
Automatic Temperature Checking Set 2 (ATK2)
VP3 easy or VP5 Vacuum Pump



VP3 easy



VP5



Fixed Prosthetics

Programat® forms a part of the “Fixed Prosthetics” product category. The products of this category cover the procedure involved in the fabrication of fixed prosthetic restorations – from temporization to restoration care. The products are optimally coordinated with each other and enable successful processing and application.



THESE ARE FURTHER PRODUCTS OF THIS CATEGORY:

IPS e.max® System

all ceramic – all you need



The comprehensive solution covering all indications

- Highly esthetic, high-strength materials for the press and CAD/CAM technique
- Unique lithium disilicate (LS₂) and zirconium oxide (ZrO₂) ceramics for restorations ranging from thin veneers to multi-unit bridges
- Flexibility of cementation: adhesive, self-adhesive and conventional

Variolink® Esthetic

The esthetic luting composite



The luting composite for exceptional esthetics and user-friendly processing

- Balanced and concise Effect shade system
- Excellent shade stability due to amine-free composition
- Easy, controlled excess removal

Would you like to know more about the products of the “Fixed Prosthetics” category? Simply get in touch with your contact person at Ivoclar Vivadent or visit www.ivoclarvivadent.com for more information.