

Programat[®] CS4

Crystallization, Sintering and Glazing Furnace



Combination furnace - for a universal range of

Full-contour IPS e.max[®] ZirCAD restorations in a single visit

The Programat[®] CS4 is a compact furnace that allows full-contour zirconia restorations to be sintered and completed directly in the dental practice in a single visit. Fast sintering processes result in restorations that are ready to be placed in the patient's mouth straight away, enabling dentists to harness the benefits of full-contour zirconia for chairside applications.

The open system of the furnace includes individual programs to allow the processing of a variety of materials.



*Dr. Ronny Watzke
Ivoclar Vivadent
Schaan, Liechtenstein*

“ For me, IPS e.max ZirCAD zirconium oxide for chairside applications is the ideal complement to the IPS e.max system for posterior bridges. ”

Sintering of zirconium oxide restorations



IPS e.max[®] ZirCAD



applications



OSD operating status display

The optical operating status display informs the user about the current operating status using different colors. The operating status is visible from across the room.

Open system with individual programs

Twenty-two individual programs are available in addition to the standard programs of Ivoclar Vivadent. The Programat CS4 furnace provides you with open programs that can be programmed for future generations of materials.



Speed program for IPS e.max

This program allows IPS e.max CAD materials to be crystallized even faster, enhancing the cost effectiveness of the furnace.

applications

Glazing and crystallization of IPS e.max[®] CAD restorations

The CS4 Programat combination furnace is also suited for glaze and crystallization firing procedures. High-quality lithium disilicate restorations made of IPS e.max[®] CAD can be created in a comparatively short time in a single appointment and then placed in the patient's mouth.



IPS e.max[®] CAD

Glazing and crystallization of lithium disilicate

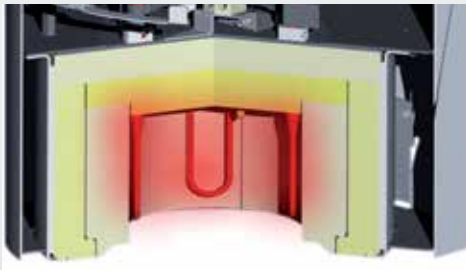


Efficient Design for the Dental Office

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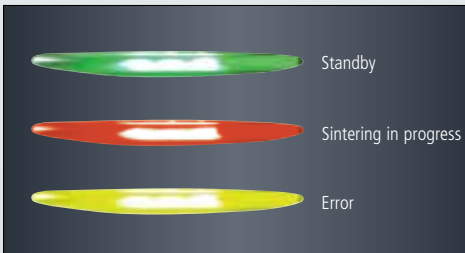
Programming Options

With three heating stages and two cooling stages, the furnace offers a host of programming options for different types of materials. The furnace has 30 programs, 8 optimized for Ivoclar Vivadent materials and 22 for individual programs.



New heating muffle technology for temperatures up to 1600°C

The Programat CS4 features a new type of heating element, which is specially designed for intensive everyday use. These heating elements are characterized by a long service life and homogeneous heat emission, which is essential to producing optimum results. The heating elements are suited for sintering processes with a temperature of up to 1600 °C.



OSD Operating Display

The optical operating status display of the Programat CS4 uses different colors to inform the user about actual operating status. The operating status is visible from across the room.



Easily accessible sintering chamber

On opening, the furnace head tilts upward, allowing sufficient room for easy placement of the firing tray.



USB connection

The furnace can be connected to a PC via a USB interface, to allow for software updates to be implemented.

Technical data

Power supply	118–240 V 50–60 Hz Overvoltage category II Admissible voltage fluctuations $\pm 10\%$
Max. power consumption	16 A at 118 V 8 A at 240 V
Dimensions of the closed furnace	Depth 430 mm Width: 310 mm/420 mm (with cooling tray) Height: 570 mm
Max. sintering temperature	1600 °C
Weight	Base: 10 kg Furnace head: 17 kg
Safety information	The furnace is built according to the following standards: – IEC 61010-1: 2010 – EN 61010-1: 2010 – UL 61010-1: 2012-2015 – CSA 61010-1: 2012-2015 – IEC 61010-2-010: 2014 – EN 61010-2-010: 2014 – UL 61010-2-010: 2015 – CSA 61010-2-010: 2015
Radio protection / electromagnetic compatibility	EMC tested



Delivery form

- 1 Basic furnace
- 1 Sinter tray
- 1 Sinter tray fork
- 1 IPS e.max CAD Speed Crystallization Tray
- 1 Temperature Checking Set Starter Kit
- 1 Power cord
- 1 Warranty card
- 1 Set of Operating Instructions



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691819 Rev. 1 6/2017

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