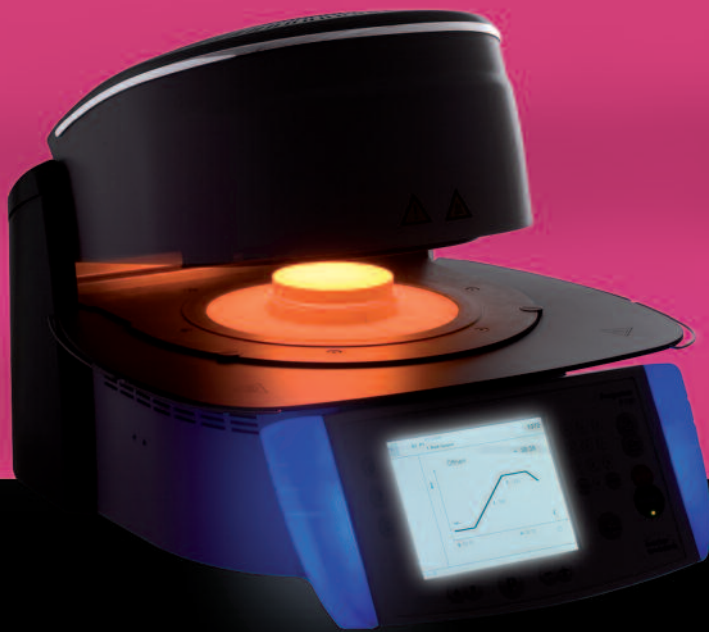


Programat[®]

A STORY OF SUCCESS

**3 YEAR
WARRANTY**



Programat[®]
P700 *MULTIMEDIA*

FOR PEOPLE WHO LOVE THE UNIQUE THINGS IN LIFE


ivoclar[®]
vivadent[®]
passion vision innovation

Programat® P700

FOR PEOPLE ...

Special

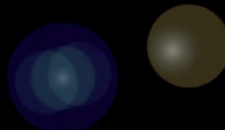
The new Programat P700 is the revolutionary ceramic furnace with many extra features. It unites high-tech performance, state-of-the-art design and unique multimedia functions. In particular, the large high-resolution colour display with touch screen function will make working with this furnace a pleasure. Moreover, data can alternatively be entered using the membrane-sealed keypad.

The multimedia function opens up new possibilities in the use of dental furnaces. You can view digital tooth and patient images directly on the furnace display without an additional PC. In addition, you can listen to your favourite music while you work thanks to the MP3 player in combination with the external stereo speakers.

The OSD (Optical Status Display) uses different colors to inform you about the current operating status of the furnace. Hence, the current process of the furnace can be observed, even from a distance.

Proven

The firing technology of the Programat furnaces continues to be synonymous with innovation, quality and longstanding success. The new QTK (quartz tube kanthal) muffle technology provides even more homogeneous heat radiation. Highly reliable firing results are the outcome.



Coordinated

The Programat P700 offers a wide array of standard firing programs, which are coordinated with the ceramic materials from Ivoclar Vivadent. Consequently, optimum firing results can be achieved.



Ivoclar Vivadent Alloys



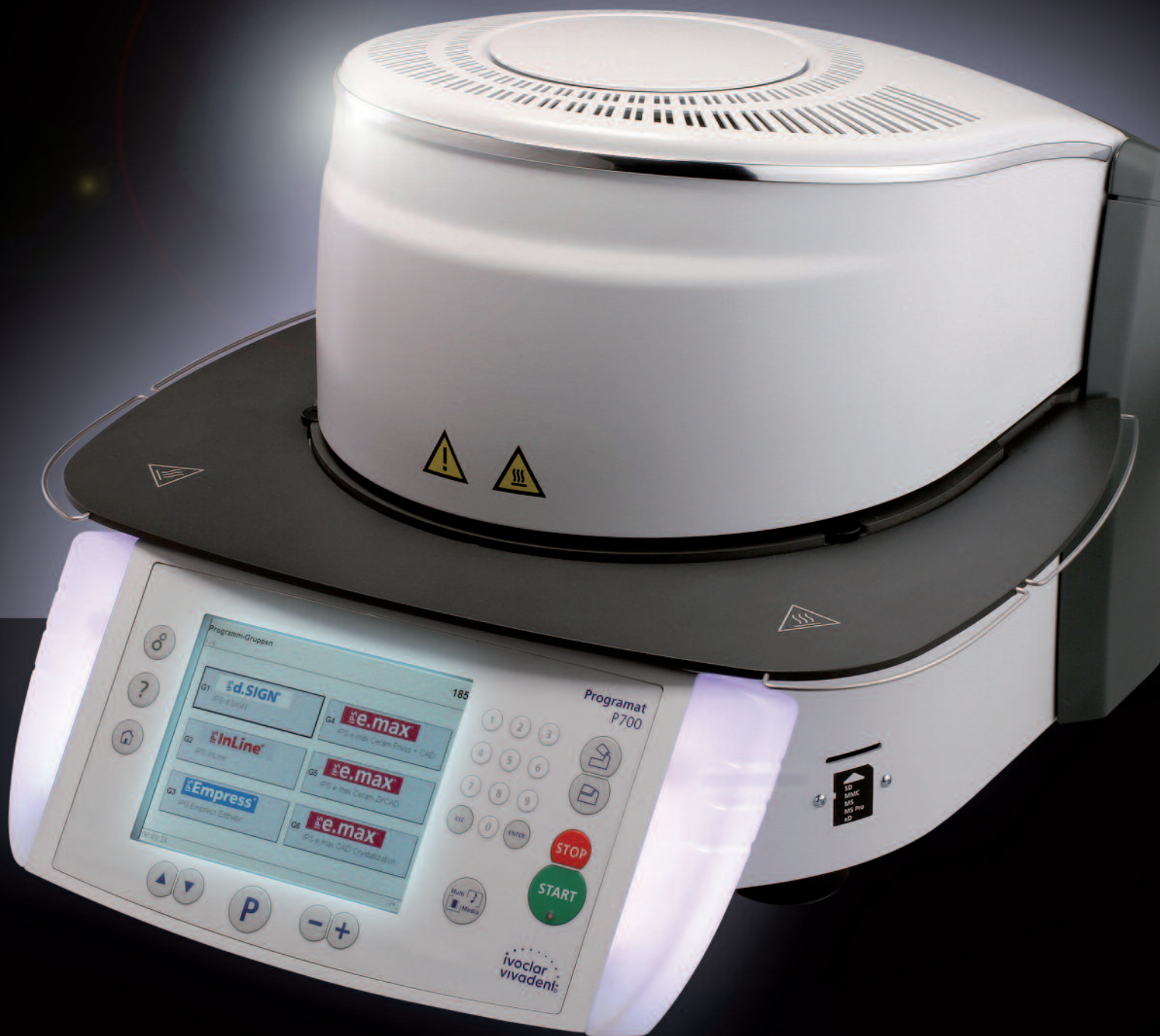
IPS Empress, IPS d.SIGN, IPS InLine, IPS e.max

... WHO LOVE THE UNIQUE THINGS IN LIFE

Innovative

The Programat P700 offers you a multitude of further innovations. For example, the furnace is equipped with an integrated memory card to read the image data. The TSP (thermo shock protection) function protects the ceramic against thermal shock if the furnace head is closed when it is too hot.

The update process is very easy with the new software update function via USB stick. Further innovative features include the operation via PC mouse, the ATK2 double-range calibration, the low-noise vacuum pump control, the remote control via PC, the active cooling and much more.



Programat® P700

THE MULTIMEDIA FURNACE

Multimedia function



You can select the multimedia functions, such as MP3 player, photo player, OSD system, tunes and further applications with a push of the Multimedia button.



THAT SETS THE TONE!



Patient and tooth images

Colour images of patients and teeth can be viewed on the P700 by means of the integrated card reader. Insert the memory card and the images will then immediately appear on the colour display. The photo player can be used to maximize, minimize or rotate images. Even the smallest colour details in the tooth can be recognized in the high-resolution graphic display.

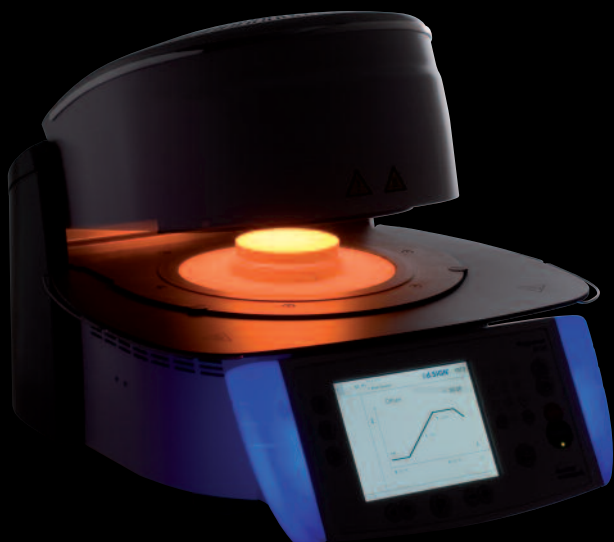
Music and sound

The P700 plays your favourite music. This will make working with the ceramic furnace even more fun. For this purpose, simply save the desired music as an MP3 file on a USB stick and insert it into the USB slot. You can manage and play the music with the MP3 player.



Programat® P700

ADDITIONAL CHARACTERISTIC



OSD – Operating Status Display

The **O**ptical **S**tatus **D**isplay of the P700 will inform you about the current operating status of the furnace by means of different colours. Even from a large distance, you will always be up-to-date about the current process. The brightness of the display can be individually set in advance.

The colours of the OSD have the following meanings:



Stand-by



Heating



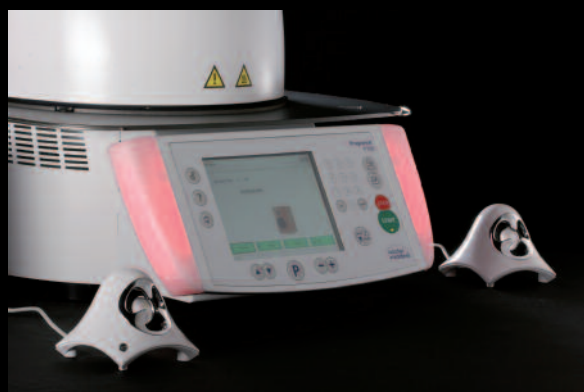
Pre-drying



Cooling



Error message



Stereo speakers

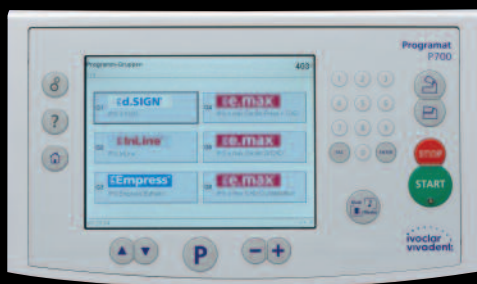
In combination with the external speakers, the new Programat P700 delivers sound in stereo quality.

The P700 features a socket for stereo speakers* on the rear side to connect commercial, active stereo speakers (PC accessories).

* not contained in the delivery form

User-friendly operation

The operating unit features a large, clearly arranged, high-resolution, colour swivel graphic display. In addition to the proven membrane-sealed keypad, the display can also be operated with the touch screen function.



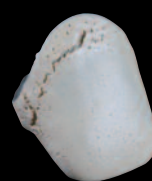
Memory card reader

The integrated card reader can be used to conveniently read electronic image data from the digital camera into the P700 furnace. The card reader is compatible with all popular card formats. It goes without saying that the image data can also be transferred via USB stick or USB hard disk.



TSP function (Thermo Shock Protection)

The TSP function protects the ceramic against thermal shock if the furnace head is closed too hot. The furnace head temperature is electronically measured before the furnace head closes and subsequently the ideal closing process is selected. The TSP function appears on the display when it is activated and interrupts the process. The firing results obtained with the TSP function are impressive.



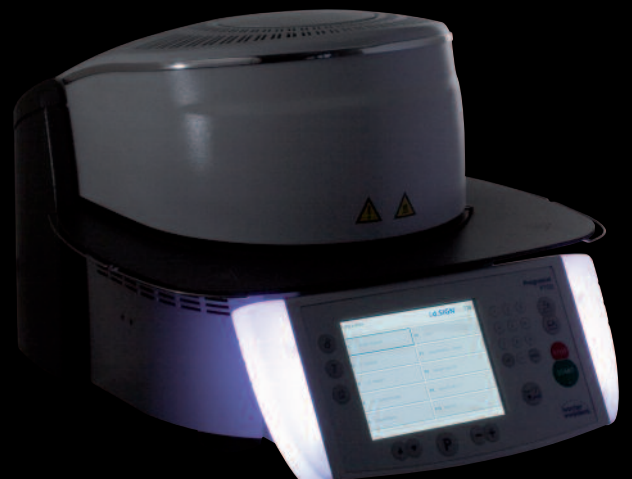
without TSP

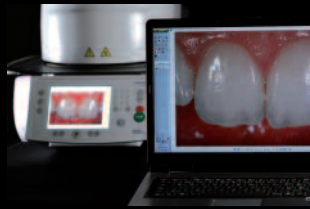


with TSP

Additional features

- Compact, ergonomic and exceptional design
- Ease of maintenance
- Adaptable holder for firing tongs
- Powerful heating (up to 140 °C t / min.)
- Cost-effective operation due to long service life of the muffle
- Three special colours available
- Fast restart due to quick cooling of the furnace head
- Low-noise vacuum pump control
- Ethernet connection for equipment network
- Detailed error message display
- Various diagnostic programs to check functionality
- Dehumidification and maintenance program for heating muffle





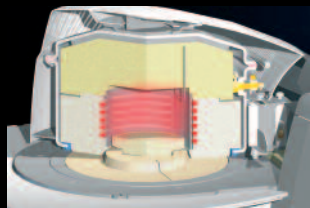
PC remote control

The Programat P700 can be programmed and the firing protocols created in connection with special software (PrograBase 2) via PC/laptop.



USB memory stick

Individual firing programs can be easily saved. In addition, virtually unlimited disk space is available. The software can be updated directly by means of the USB stick (without PC/laptop).



QTK muffle technology

The new QTK (quartz tube kanthal) muffle technology offers even more homogeneous heat radiation and thus optimum firing results.



Automatic double-range temperature calibration

The ATK2 Set enables fully automatic and exact temperature calibration (2 temperature ranges) and ensures exacting firing results.



Removable furnace head

The furnace head can be removed from the base for transportation and maintenance.



USB connection

The various USB slots enable the connection of additional equipment (e.g. USB sticks, USB hard drive, USB printer, USB mouse, etc.).

Programat® P700

Technical data

| | |
|---|--|
| Power supply | 110-120 V 50-60Hz 200-240 V 50-60Hz admissible voltage fluctuations $\pm 10\%$ |
| Max. power consumption | 12 A at 110-120 V 8.5 A at 200-240 V |
| Vacuum pump data | Max. power consumption: 2.1 A Final vacuum: < 50 mbar Only tested pumps should be used |
| Display | Liquid crystal graphics display with touch screen and background lighting |
| Dimensions of fuses | 110-120 V: 6.3 x 32 mm diameter 200-240 V: 5 x 20 mm diameter |
| Dimensions of closed furnace | Depth: 468 mm, Width: 303 mm/ 382 mm (with cooling tray), Height: 320 mm |
| Dimensions of firing chamber | Diameter: 80 mm, Height: 48 mm |
| Max. firing temperature | 1200 °C |
| Weight | Base: 12.6 kg, Head: 4.5 kg |
| Safety information | The furnace is built according to the following standards: - IEC 1010-1 and EN 61010 - UL and cUL standards |
| Radio protection/Electromagnetic compatibility | EMV tested |



Delivery form

- 1 Programat P700
- 1 cooling tray
- 1 power cord
- 1 Programat firing tray
- 1 Temperature Checking Set 2
(test sample)
- 1 set spare fuses
- 1 USB download cable
- 1 USB stick Programat

Recommended accessories

- (not contained in the delivery form):
- VP3 easy or VP4 Vacuum Pump
 - Tongs
 - ATK2 Set – Automatic Temperature
Checking Set 2

Colour:

White (RAL 9016)

Special colours:

RAL 3014



RAL 5014



RAL 6027



VP3 easy



VP4

Descriptions and data constitute no warranty of attributes.
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