



inLab Profire sinter furnace

Process safety for the
dental lab

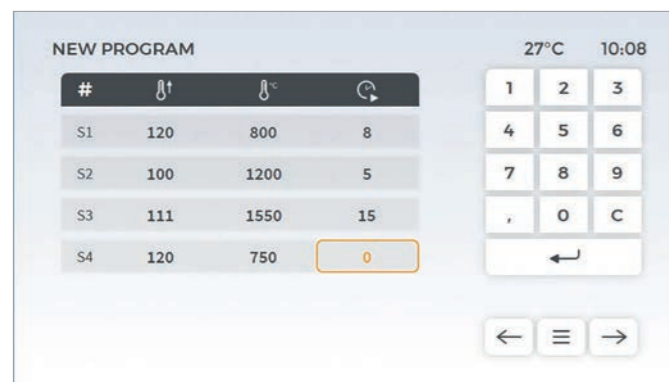
inLab Profire

Proven process technology further enhanced

The new inLab Profire furnace for zirconium oxide and none-precious metal restorations integrates proven process technology with a new design; an enhancement that improves process safety and the reproducibility of sintering outcomes.

High-grade heating elements that have been tested in long-term tests as well as homogeneous temperature distribution in the furnace chamber provide precise temperature control throughout the sintering process, for high quality sintering outcomes and reproducibility.

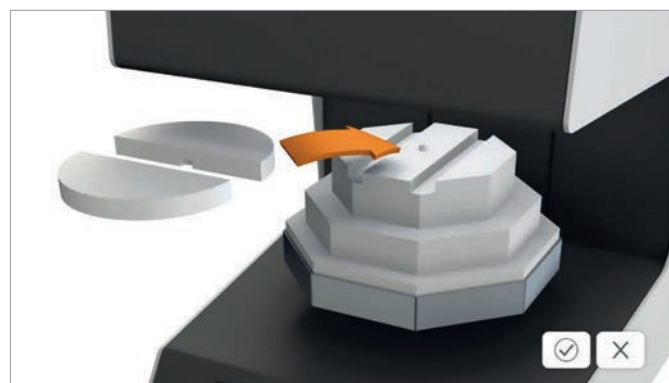
The new and well-arranged touch screen offers optimum user comfort and allows for fast and simple execution of all furnace features. The redesigned user interface clearly displays program status and interaction options.



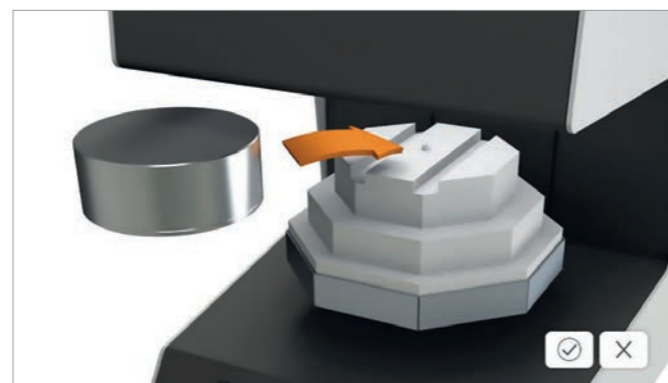
Clear and simple programming of the process parameters.



Process view with the possibility of activating pre-drying, adjusting process parameters, programming Auto-Start functions and displaying production time.



Active user support during every material change (e.g. from sinter metal to zirconium oxide).



When sintering sinter metal, argon monitoring takes place immediately after process start and during the entire sintering process – for reliable restoration results.



Powerful

- Conventional long-term sintering of zirconium oxide
- Speed sintering for single restorations, frameworks and bridges
- “Dry & Sinter” – Sintering with pre-drying which can be easily activated before each process

Reliable

- Preprogrammed for validated sinter materials from Dentsply Sirona
- Optional free programming both for long-term and speed sintering of zirconium oxide
- Automatic argon monitoring for correct argon flow for sinter metals

Time-saving

- Quick heating rate (up to 120 °C/min.)
- Programmable autostart feature
- Simultaneous sintering of up to 60 units* when stacking two sintering trays

Flexible

- Sintering of zirconium oxide and sinter metal (inCoris CCB) with just one furnace
- Quick and easy transition between sintering zirconium oxide and sinter metal

* for zirconium oxide; depends on the size of restorations and sinter supports

inLab Profire

One furnace. Two materials. Many possibilities.

Coordinated processes for
first-class zirconium oxide output

inLab Profire offers preprogrammed sintering programs which were carefully validated based on material requirements; as a result, they can be started with a direct program selection.



Dentsply
Sirona

inLab Profire

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A large percentage of all dental restorations manufactured worldwide are still made from NPM. inCoris CCB is a sinter metal based on a CoCr alloy which, just as with the zirconium oxide procedure, is milled out in an enlarged structure and then densely sintered in a furnace with an argon atmosphere.

Easy, clean and quick

- High material quality thanks to its homogeneous structure
- Consistent shrinkage
- No deformations or inclusions

Sintering sinter metal restorations

To sinter inCoris CCB with the product version inLab Profire with metal, only the sintering tray needs to be exchanged. Thanks to the integrated argon line, no further modifications are needed. After the machine production the sinter metal inCoris CCB from Dentsply Sirona is densely sintered within an argon atmosphere. The argon line is integrated into the furnace door, and the flooding of the argon gas is completely monitored.



inLab Profire at a glance



Fast heating rate
(max. 120 °C/min.)

Integrated argon line
for sinter metal*

* Optional.

Clear and intuitive user guidance
for all furnace features

The modern and lean
design matches that of
the inLab system

USB update option for
adding new programs

inLab Profire	
Dimensions (W x D x H)	360 mm x 534 mm x 780 mm
Weight	approx. 65 kg
Supply voltage	200-240 V
Mains frequency	50/60 Hz
Nominal capacity	3500 W
Maximum sinter temperature	1,650°C

inLab Profire	
Accessories	<ul style="list-style-type: none"> • Sintering beads for Zirconia • Sintering tray speed for Zirconia • Tray holder • Tray fork
Options	<ul style="list-style-type: none"> • Sintering beads for sinter metal • Sintering tray for sinter metal • External gas hose*
Program types	<ul style="list-style-type: none"> • Speed • Conventional sintering • Pre-drying and speed sintering • Service program • Autostart feature

* required protective gas purity: argon 4.6 (99,996%)

Dentsply Sirona

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