

VARIO PRESS® 300



www.zubler.de

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 **Made in Germany**



Our location in Germany means that we are at the hub of the global dental industry, developing and manufacturing products to established European standards.

We have many years of experience in designing and producing mechanical and electronic equipment, for dentistry and elsewhere, so we can respond swiftly to market trends and perceptions and expeditiously integrate innovations into our production line.

The secret of our success lies in the perfect interaction between all members of our team.

Our electronic and mechanical engineers' creativity and design expertise provide a solid foundation for our furnace development. Our responsible and experienced furnace production team ensure consistent product quality. And if you have any question whatsoever on how to process dental ceramics perfectly in our units, you will have access not only to the specialists at the application lab, but also to our experts working for our subsidiary, **ceramay**.

High-quality materials and stringent quality control measures ensure that our dental ceramic furnaces meet the highest standards of our most discriminating customers.

Investing for the future





It will often take several years to see whether an investment has been a good one – and whether the thrill of innovation has given way to fascination with a perfect result.

From your ceramic furnace, you can expect top-notch results and consistent, reproducible quality over the long term, adding value to your own excellent craftsmanship.

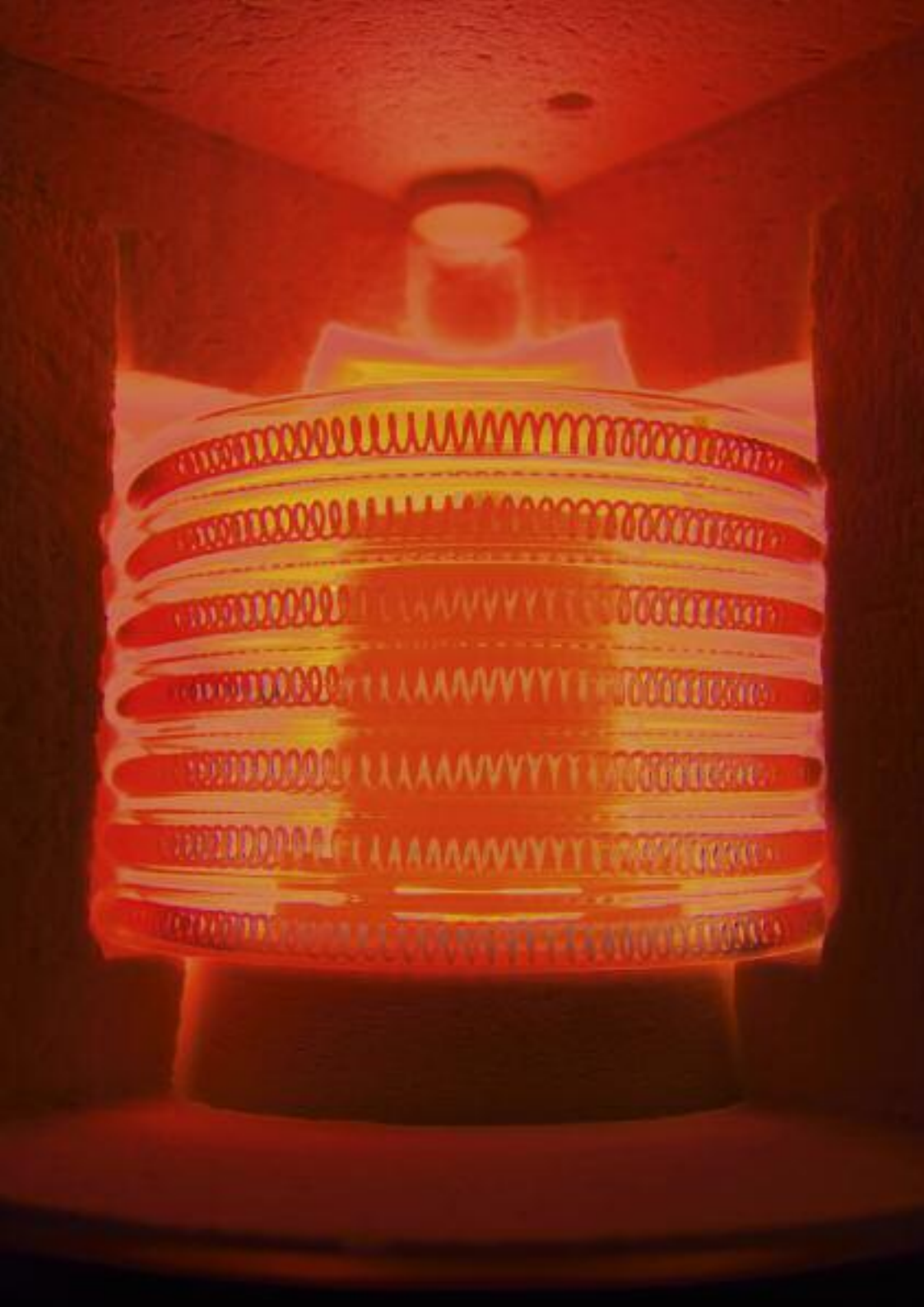
Your furnace is designed to accommodate the progress being made in the field.

Given our experience as manufacturers of industrial-grade electronic devices and precision-engineered mechanical tools, we can meet all off expectations.

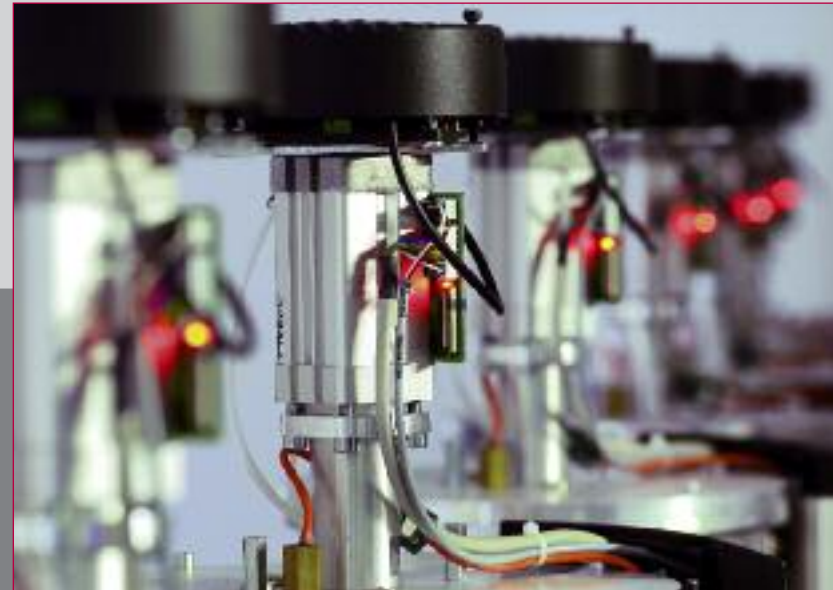
We develop the software for our furnaces in-house – ensuring it is specifically designed for dental ceramic applications. Any updates required to accommodate innovative materials will be made available to you quickly and can be installed by you easily. But if you prefer, our technical support team will be happy to assist you with the installation process.

The entire field of dental technology is advancing with breathtaking speed. Over the next few years, we are likely to see rapid changes in the way dental restorations are made. But whether you wish to work with established or with innovative materials – you will always be able to process either, with our furnace.

To give you access to the entire world of dental materials, all VARIO 300 and VARIO PRESS® 300 furnaces are equipped with CF Card technology, so you can always enjoy the benefits of the latest software for your unit, throughout its entire lifecycle.



Highlights



The Z-Dry system

The intelligent way to dry ceramic objects prior to firing.

The electronic control determines the ideal distance between the firing platform and the chamber as a function of the prevailing chamber temperature and the resulting radiant heat. Mixed liquids will be extracted uniformly from opaques and dental ceramics alike.

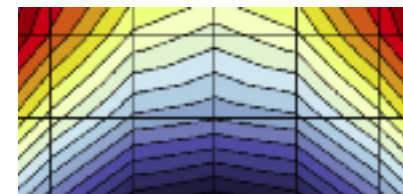
Any temperature changes during the heating or cooling phases are compensated for by the electronically controlled firing platform mechanism throughout the entire drying phase. Also, the Z-Dry system eliminates wait time, because the starting temperature for subsequent firing steps will be reached faster.

The vertical closure mechanism guarantees that all objects will be pre-dried uniformly at all times.

Pressing

No matter what type of ceramics you will be working on in the future, or how extensively – we will still not let you be hampered by limitations. The ability to adjust the pressure in an individual program ensures constant results with all types of pressable ceramics.

One of the secrets to our success is a powerful heating unit that encompasses the entire chamber wall, delivering thermal energy uniformly to all areas of a ring of any dimension. A tripod insert prevents heat loss in the contact area between the ring and the firing table, lifting the ring so it is almost suspended within the chamber throughout the entire process.





Power-fail control for added safety

- ▶ Unexpected interruptions of the pressing or firing process in a power failure may cause terminal damage to your work. With the VARIO PRESS® 300, power failures simply activate an innovative feature, called power-fail control (PFC). Once the power is back, the electronic control will return program execution to the point where the interruption occurred, according to the programmed parameters, then terminate the program normally.



Operation

- ▶ The menu of the furnace is simple and intuitive. The physical user interface is a glass touch screen that is not only sturdy and sanitary but also allows operators to make their menu selections quickly and smoothly.
- ▶ All 500 memory locations accommodate professional, specialist or standard firing programs as well as pressing programs, depending on your needs.
- ▶ Indexed pages simplify access to all program groups or to your own combination of custom working techniques or groups.

Making life easier for you: If you want to get up and running with your new furnace as quickly as possible, we will be happy to pre-program your unit with the firing and pressing programs for the ceramic systems in use at your laboratory.

Consistent performance without calibrating

- ▶ Silver or aluminium wire calibration tests were used in the past to check and calibrate temperatures. However, your trained eye is the best indicator for determining whether your unit requires the use of the "Customize calibration" feature.

Our technical support will be happy to provide "true" tests using officially calibrated measuring devices if you really feel these are necessary; however, we assure you that the extraordinary heating unit of the VARIO 300 or VARIO PRESS® 300 with its finely adjusted settings will give you consistent firing and pressing results while ensuring a long service life of the unit, even without calibration.

Incidentally, internal long-term testing of random units drawn from actual production have shown temperature deviations of less than 5°C after 80,000 firing cycles, which would correspond to over 20 years of daily use of the dental laboratory.

(The complete electronic testing data are available from the manufacturer.)



Keeping the fire going



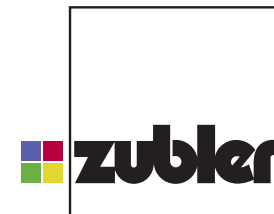


VARIO PRESS® 300 at a glance

- ▶ Designed as a pressing oven, excellent as a firing oven, useful as a sintering oven for infiltration firing
- ▶ Reproducible results, high-quality components, state-of-the-art electronic controls
- ▶ Individual programmed firing, pressing and sintering cycles
- ▶ Processes virtually all ceramic materials on the market
- ▶ Programs and features specially designed for pressing lithium-disilikat-ceramics
- ▶ CF Card technology for software updates and program backups
- ▶ No calibration required
- ▶ Shock and heat resistant glass touch screen for rapid programming, working directly on the unit
- ▶ PFC (power-fail control) protection in case of power failure
- ▶ Vertical closure mechanism for homogeneous and controllable pre-drying of ceramic materials
- ▶ Z-Dry system for uniform pre-drying at a constant temperature
- ▶ Perfectly uniform heat distribution throughout the firing chamber during firing and pressing thanks to heating elements covering the entire chamber
- ▶ Chamber sufficiently large for dental work of all dimensions
- ▶ Custom pressure control for all types and amounts of pressable ceramics
- ▶ Uniform application of pressing force and smooth filling of the ring
- ▶ Programmable pressure levels
- ▶ Two-year warranty
- ▶ In-depth technical consultations
- ▶ Premium support and service

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innovative dental products

www.zubler.de

Zubler Gerätebau GmbH
Buchbrunnenweg 26
D-89081 Ulm-Jungingen
Fon +49(0)731-14 52 0
Fax +49(0)731-14 52 13