



PRODUCT CATALOGUE

2019





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Download and registration area

If you intend to register your device, please connect to our homepage (www.zubler.de) or directly to our Download Center (www.download.zubler.de). Here you can rapidly access various advantages and simplifications in the daily handling of our products and services.

The Zubler download area offers:

- Download of firmware for ceramic and sinter furnaces
- Download of firing and pressing programs for all ceramics commonly used in the dental market
- Download of User Guides
- Registration of ceramic firing and pressing furnaces for the purpose of a warranty extension (1+1)
- Overview of all registered products, incl. date of purchase and serial number





ZUBLER SUCTION SYSTEMS





Z1-AT

Single work station suction unit

With innovative Smart-Drive control for carbon brush motors

- External panel to manage directly at the working area (optional)
- Individual suction level adjustment
- 700 W suction power
- Sound level in operation from 43dB(A) to 58dB(A)
- Integrated Bluetooth module and Zubler Suction Technology App for individual settings, service and remote maintenance
- Filter with approx. 3 litre capacity



Z1-AT

Replacement unit for single work station

With innovative Smart-Drive control for carbon brush motors

- Compatible with Freuding work benches
- Plug and play at the substitution of the Freuding suction unit A82-AT
- External panel to manage directly at the working area (optional)
- Individual suction level adjustment
- 700 W suction power
- Sound level in operation from 43dB(A) to 58dB(A)
- Integrated Bluetooth module and Zubler Suction Technology App for individual settings, service and remote maintenance





Z1 ECO

Single work station suction system

The ideal system for individual workstations and dust-generating equipment. This modern suction system is characterized by high efficiency in dust collection and at the same time low noise-level of the motor.

With innovative Smart-Drive control for carbon brush motors

- Filter bag for normal up to high dust volume
- 700 W suction power
- Sound level in operation from 41dB(A) to 57dB(A)
- Tool-free change of filter and motor
- Integrated Bluetooth module and Zubler Suction Technology App for individual settings, service and remote maintenance



Z1 ECO PRO

Single work station suction system

This system was developed for individual workstations and dust-generating devices with very high dust levels. Its motor impresses with high running stability and low noise even during intensive use.

With innovative Smart-Drive control for carbon brush motors

- Z1 ECO PRO for individual workstations and dust-generating equipment
- Permanent filter system for high dust generation
- 700 W suction power
- Sound level in operation from 41dB(A) to 64dB(A)
- Online / offline cleaning of filters
- Tool-free change of filter and motor
- Integrated Bluetooth module and Zubler Suction Technology App for individual settings, service and remote maintenance





Z1 CAM

Suction system for milling machines

The Z1 CAM represents the ideal device for removing fine dust from milling machines with low to medium usage intensity. The geometry of the filter bucket ensures a high filling level of the filter bag while maintaining the selected suction power.

With innovative Smart-Drive control for carbon brush motors

- Z1 CAM for milling machines
- Filter bags for normal to high dust levels
- 1200 W suction power
- Sound level in operation from 41dB(A) to 57dB(A)
- Tool-free change of filter and motor
- Integrated Bluetooth module and Zubler Suction Technology App for individual settings, service and remote maintenance



Z1 CAM PRO

Suction system for milling machines

The suction system for milling machines with long working intervals and high dust generation. The use of two independent filter systems enables their dedusting during long working cycles without reducing the suction power.

With innovative Smart-Drive control for carbon brush motors

- Z1 CAM PRO for milling machines and long working intervals
- Permanent filter system for high dust generation
- 1200 W Suction power
- Sound level in operation from 41dB(A) to 64dB(A)
- Online / offline dedusting of the filters
- Tool-free change of filter and motor
- Integrated Bluetooth module and Zubler Suction Technology App for individual settings, service and remote maintenance





FZ1 VARIOmaster®

Multi-station suction system

The flexible concept of the FZ1 VARIOmaster® allows the connection of up to 4 suction stations, which are controlled by individual modules. The number of suction point openers is delivered as required. In clinical or dental laboratories of smaller dimensions with one or two technicians, the entire equipment or workplace area can be extracted.

Suction system for two workstations

- Can be expanded via external work station openers to accommodate up to four alternatively usable vacuum positions
- Permanent filter system with automatic filter dedusting system for high dust volume
- Suction turbine with bypass air cooling and complex outgoing air noise insulation
- 1200 W Suction power
- Sound level in operation from 44 dB(A) to 67 dB(A)
- Comes ready with an exhaust connection, but recirculation is also an option



FZ2 VARIOmatic®

Multi-station suction system

The FZ2 VARIOmatic® was developed for use in small to medium-sized dental laboratories. It offers a particularly reliable and clean vacuum solution even for high-dust preparatory workplaces and for functional equipment. Clinic labs or small-sized dental laboratories may be able to cover all requirements for device or workspace suction by installing a single FZ2 VARIOmatic® as a mini-central suction unit.

Suction system for four workstations

- Pneumatic filter reverse flow for high-performance suction of major dust loads
- Elimination of filter bags through a permanent filter with automatic filter dedusting system
- Can be expanded via additional external suction position openers to accommodate up to six alternatively usable vacuum positions
- Two vacuum turbines (three-phase AC) for low noise and low maintenance
- Sound level in operation from 49 dB(A) to 60 dB(A)
- More space at the individual workstation
- Improvement of the indoor climate by exhaust installation





FZVARIO

Multi-station suction system

Centrally controlled suction systems

- Improvement of the indoor climate
- No residual and micro dust at the workstation
- Elimination of vapours in resin manufacturing
- Elimination of suction engine noise at the workplace
- Increasing cleanliness in the laboratory
- Low energy costs due to high-efficiency motors
- More space to move at the workplace due to the elimination of stationary suction units and filter boxes



ACCESSORIES

R1700

Spraybox

- Uniform spray fog distribution before scanning the models
- Flexible arm for free positioning at the workstation
- Circular suction geometry
- Free moving space for the technician during the working process



AV1000

Grinding box

- Ergonomic
- For better cleanliness at the workplace
- Integrated nozzle for cleaning gypsum models and press rings
- Protective glass and work block for safe working



R1500

Suction hood

- Suction funnel for dust collection
- Flexible arm for flexible positioning at the workplace
- Optionally available with wall mount





ZUBLER
FURNACES





VARIO 200^{ZR}

Pure technology

The only firing chamber in the world
with an inside diameter of 120 mm

- The linear cooling TTC prevents tension and cracks in the ceramic after firing
- The diameter of 120mm guarantees a homogeneous temperature distribution over the entire firing tray
- The Z-Drying mode dries the ceramic at a constant temperature before the furnace closes in a defined time
- Safety through Power Fail Control (PFC)
- USB connection for easy transfer of software and program data



VARIO 200

Pure technology

The only firing chamber in the world
with an inside diameter of 120 mm

- The diameter of 120mm guarantees a homogeneous temperature distribution over the entire firing tray
- The Z-Drying mode dries the ceramic at a constant temperature before the furnace closes in a defined time
- Safety through Power Fail Control (PFC)
- USB connection for easy transfer of software and program data





VARIO PRESS® 300.eZR

With patented ADVANCED PRESS™ technology

Developed as a press oven and also outstanding as a firing oven

- The ADVANCED PRESS™ method guarantees a homogeneous temperature distribution inside the ring during the pressing process
- The ADVANCED PRESS™ method reduces the pressing time by up to 50%
- The low working temperature in the ADVANCED PRESS™ method and the short pressing time ensure perfect surfaces and excellent physical properties of LiSi_2
- The linear cooling TTC prevents tension and cracks in the ceramic after firing
- Z-Drying mode as in the VARIO 200 series
- USB connection for easy transfer of software and program data

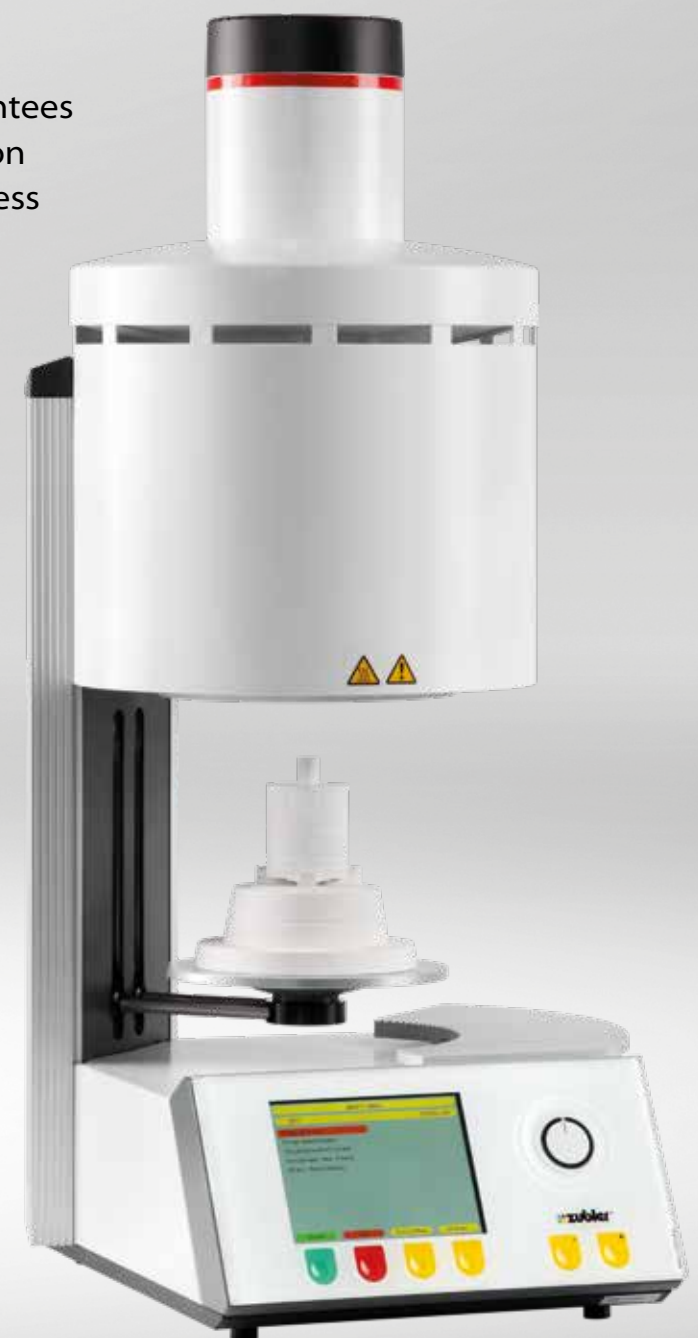


VARIO PRESS® 300.e

With patented ADVANCED PRESS™ technology

Developed as a press oven and also outstanding as a firing oven

- The ADVANCED PRESS™ method guarantees a homogeneous temperature distribution inside the ring during the pressing process
- The ADVANCED PRESS™ method reduces the pressing time by up to 50%
- The low working temperature in the ADVANCED PRESS™ method and the short pressing time ensure perfect surfaces and excellent physical properties of LiSi_2
- Z-Drying mode as in the VARIO 200 series
- USB connection for easy transfer of software and program data





PRODUCT COMPARISON



Firing furnace	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pressing furnace	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ADVANCED PRESS™ Technology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Intelligent Press	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Z- Drying (pre-drying at constant temperature at the object)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TTC - active linear cooling mode	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2-step programs (two freely selectable heating rates)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2-step programs with TTC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PFC (Power Fail Control)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pressing force programmable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
USB port	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Shock- and heat-resistant LCD glass touch screen	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pre-programmed according to customer specification	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Honeycomb tray with 5 pins	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2-years warranty*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

VARIO S400

Technological superiority for a safe sintering process

Individually programmable for conventional and speed sintering

- 5+1 freely programmable heating ramps for an individual sintering process
- Molybdenum disilicide heating elements for all types of sintering processes
- Low follow-up costs thanks to high energy efficiency
- Power-Fail-Control (PFC) Assistance in case of power blackout
- Large firing chamber for 2-level sintering bowls
- TTC - Linear cooling for a safe zirconia manufacturing procedure
- USB connection for easy transfer of software and program data





ZUBLER GRINDING SYSTEMS





VARIOstar K50 HANDPIECE SYSTEM

Knee control unit and micromotor

The all-round handpiece for the modern dental laboratory

- Comfortable handling in daily laboratory use
- Simple input of rotation speed via keyboard
- Clear start-up signal for all suction units available on the market
- Easy to read, continuous rotation speed indicator on the knee control device
- Left-hand/right-hand rotation up to 50.000 rpm
- Fine dosage by 40 mm knee control movement



VARIOstar T50 HANDPIECE SYSTEM

Table top control unit and micromotor

The all-round handpiece for the modern dental laboratory

- Easy to select speed using the rotary knob
- Clear start-up signal for all suction systems available on the market
- Easy to read, continuous rotation speed indicator on the table top control device
- Left-hand/right-hand rotation up to 50,000 rpm
- Speed control function
- Freely selectable, maximum achievable speed programmable via safety switch
- Compact construction in a new design





VARIO SC

Surface Conditioner

Unerringly to the perfect pressing result

- Controlled solidification of lithium disilicate glass ceramics
- Avoiding defects of the ceramic in the marginal area of crowns, inlays and veneers
- Uniform and defined cooling of the pressed investment ring
- Reduction of the cooling period by approx. 50%



VARIO BALANCE

A dosage system for investment materials, gypsums and resins

- Fast and easy to highest precision
- Reliably reproducible results
- Very low error rate (max. 1%)



FLEXRING SYSTEM

The Flexring investment system for all press ceramics in different ingot sizes has been convincing for years due to its variability and intelligent design.



- Form stability over a long time
- Patented, ribbed surface
- Faster and more homogeneous heating of the investment ring before pressing
- Sector markings make it easier to find the objects when divesting
- Free expansion due to unique composition of the synthetic material



DISPOSABLE PLUNGERS

For pressing dental ceramics and lithium disilicate

Disposable plungers avoid heat accumulation in contact with the pressed ceramic and ensure the highest quality of the material after the pressing process.



- Easy handling
- No separator required when pressing lithium disilicate or feldspar ceramics
- No preheating of the plunger
- No cleaning of the plungers after divesting



CERAMAY DENTAL CERAMICS





INVESTMENT

CONCEPT VEST™

the special investment for lithium disilicate ceramics

This investment material specially formulated for the processing of lithium disilicate glass-ceramics guarantees ...

- Perfect surfaces
- A minimum reaction layer after pressing
- Detail-exact reproduction of the pressed objects
- Constant expansion values due to strict quality controls



conceptPress

The high strength lithium disilicate pressed ceramic

ConceptPress ingots are processed in a dental press technique to produce precise restorations in tooth shade and subsequently veneered and/or stained with DC Ceram™ 9.2 ceramics.

They are all colour coordinated and available in different opacities and translucencies. Translucency level selection is based on clinical requirements as well as desired processing techniques (layering, staining or cut-back technique).



- 420 Mpa flexural strength
- Minimum press waste due to the use of stackable 2g and 3g ingots
- 5 different opacity levels available
- Fluorescence of natural teeth
- A perfect fit with excellent surface quality
- Versatile indication range





DC Ceram™ 9.2

Veneering ceramic for lithium disilicate and zirconium oxide

The innovative DC Ceram™ 9.2 veneering ceramic for lithium disilicate and zirconium oxide material is by its chemical composition a new standard in the field of dental ceramics. The micro structure remains virtually unchanged during consecutive firing cycles and prevents uncontrollable dimensional changes which often result in cracking. Introduced with the basic components, opalescent ceramic accessories lend a remarkable luminosity with adequate translucency to the ceramic.

Technical Data:

- CTE (25 - 500°C): $9,2 - 9,4 \times 10^{-6} \times K^{-1}$
- Flexural strength > 100 MPa
- Chemical solubility < $30 \mu g \times cm^{-2}$
- Transformation temperature 500°C



DC Ceram™ 12.5

Veneering and pressing ceramic for dental alloys

In 2014, a new two-phase leucite glass-ceramic DC Ceram™ 12.5 for crowns and bridges on alloys with conventional CTE was introduced to the market.

The core of this development is an innovative base material, which is introduced by the increased light through reflective opalescent elements, and thus gives the ceramic a natural brightness. Its extraordinary brilliance and natural beauty stands out, even when processing very little material.

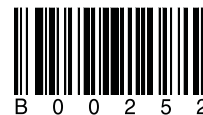
Technical Data:

- CTE (25 - 500°C): $12,5 \times 10^{-6} \times K^{-1}$
- Flexural strength > 90 MPa
- Chemical solubility < $35 \mu g \times cm^{-2}$
- Transformation temperature 505°C





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Subject to technical changes.

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