

Not the slightest compromise

Setting new standards



# All-in-One

## ■ Discovering completeness

Take benefit of the perfectly adjusted integration of the innovative components that form a perfect unity. Your high demands have been reflected in the performance features of the Multimat®2 Touch+Press. A new furnace that focuses on more benefits – added value for you! – building on the success platform of **MULTIMAT Touch, the world's most widely sold furnace for all pressable and veneering ceramics.**

To fulfil your requirements, the Multimat®2 places a special emphasis on technical innovation and on firing safety.

## ■ Non-reflecting foil touch screen

The most resistant screen available against scratching, chemical substances, heat and water. The non-reflecting foil additionally protects the keyboard from dust and ensures a brilliant, reflection-free data display, for your ease of use.

## ■ USB Slave interface for standard PC-printers

The USB Slave interface makes it easy to print firing protocols or to document firing sequences as per applicable QM standards using your PC and any commercially available printer.

## ■ 16-bit precision control technology

allows higher frequency rates and increases the precision of the temperature control cycles for assuring excellent firing results.

## ■ Smart Media Card technology

offers ample memory for all 300 programs and for the software itself – no PC required for updating.

## ■ Automatic power factor

Compensates for voltage peaks and mains power fluctuations.

## ■ Dual overheating protection

The firing muffle is controlled by a separate monitoring circuit.



Touch  
+ Press

# Visible added value

More than the sum of its advantages

For firing  
and/or for  
pressing

Power-fail  
protection  
for  
added safety

Excellent firing  
results through  
16-bit precision  
control  
technology

Software memory  
for 300 individual  
firing sequences

Double  
overheating  
protection  
for  
firing muffle

Automatic power  
factor compensates  
for voltage peaks  
and mains power  
fluctuations

Non-reflecting  
foil touch screen  
for brilliant  
reproduction

USB  
Slave connector  
for  
PC/Printer

Added flexibility  
thanks to  
Smart Media Card  
technology

Intuitive  
user interface  
and  
easy-to-understand  
logics



# This is how you benefit

Standard and exclusivity – in a single furnace

Demands are increasing. Those who want to deliver excellent work will need excellent tools. Therefore, your requirements towards dental furnaces have increased as well. We have further improved the famous classic furnace and can now present a furnace that impresses with its ease of handling and perfect firing results.

## Controlled, result-driven work

The unique control-panel concept lets you control a great variety of different programs using the same logical principles. The graphic display shows the entire firing curve for the currently selected program in brilliant display quality.

## Precision

Precision has been our main goal when we developed our 16-bit precision control technology with increased frequency. This allows for maximum exactness in temperature control and yields top-of-the-line firing precision. The excellent quality of the firing results will convince you.

## Logging

USB Slave is an interface concept that is ready for the future. The Touch + Save PC software lets you log, save and print firing or pressing data for documentation purposes as required by quality management standards. This feature can be utilized using any industry-standard PC and commercial printer.

There are different ways to bring the furnace up to date with the most recent software version available. Updates are performed using the Smart Media Card technology. The Smart Media Card can be used for all parameter settings or for storing the user software.

## The variety of the furnace

Three hundred freely selectable and storable firing programs can be programmed quickly, and easily, via the intuitive user interface. Manufacturer-defined programs can be modified to suit your individual requirements. The versatility, even with the work processes, is assured by freely choosing between firing or pressing plus firing. This combination furnace is really a fusion of two devices that simplifies the workflow and, in addition, saves valuable bench top space.

■ Beyond all expectations



# Technical specifications

Multimat®2 Touch

- **Height:** closed approx. 435 mm, open approx. 585 mm
- **Width:** approx. 320 mm
- **Depth:** approx. 425 mm
- **Weight:** approx. 27 kg
- **Voltage:** 100 V, 110 V, 115 V, 125 V, 230 V
- **Frequency:** 50–60 Hz
- **Power:** 1300 VA  
without pump

Multimat®2 Touch + Press

- **Height:** closed approx. 593 mm, open approx. 748 mm
- **Width:** approx. 320 mm
- **Depth:** approx. 425 mm
- **Weight:** approx. 28 kg
- **Voltage:** 100 V, 110 V, 115 V, 125 V, 230 V
- **Frequency:** 50–60 Hz
- **Power:** 1300 VA  
without pump

| Parameter                | Lower limit      | Upper limit            |
|--------------------------|------------------|------------------------|
| Standby temperature      | 100 °C           | 300 °C                 |
| Temperature              | 30 °C            | 1200 °C                |
| Adjustable firing times  | 00:00 seconds    | 99:59 hours            |
| Heating rate, controlled | 0.1 °C/min       | 120 °C/min             |
| Heating rate, max.       |                  | approx. 120 °C/min     |
| Cooling rate             | 1 °C/min         | 120 °C/min, controlled |
| Cooling rate, max.       |                  | Heater off             |
| Vacuum                   | 1 hPa (0.1 inHg) | 1013 hPa (29.9 inHg)   |
| View                     | 00:01 min        | 3:00 min               |
| Vacuum on                | room temperature | 1200 °C                |
| Vacuum off               | room temperature | 1200 °C                |
| Firing chamber positions |                  | 150                    |
| Steps                    | 1                | 9                      |

Colour graphic display

- 5.7 in., 320 x 240 pixels
- External dimensions 154.6 x 114.8 x 8.5 mm
- Visible area 118.8 x 89.38 mm

Number of programs

- 300

Interfaces

- USB Slave
- Smart Media Card  
(for external data backup)
- RS232 port

Technical specifications may change without notice.

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