



dentamatic

500

chameleon MX

PRESS

microprocessor - controlled vacuum furnace for all porcelain-fused-to-metal, metal-free crowns, and press ceramic

Dentamatic 500 Chameleon MX PRESS is a fully-automated vacuum furnace. Firing 100 custom programs, and more, if used with a PC.

ADVANCED FEATURES

- programmable standby temperature
- programmable drying and cooling
- automatic temperature calibration after start of each program
- vacuum control by time, temperature and both
- long life quartz protected heater
- programmable vacuum as function of temperature, time or both

IMPORTANT FEATURES

- LCD display
- maximum temperature 1200°C (optional)
- programmable drying and cooling
- increases temperature by speed or by time
- enamelled steel chamber for better vacuum
- programmable stand-by temperature
- custom temperature correction for each program from -25 to +25°C
- 100 programs (all customizable by the user)
- fan cooling with uninterruptible power supply
- protection against heater damage, in case of thermal sensor failure
- operation in °C or °F
- vacuum level in Bar, cmHg or InHg
- suitable for continuous non-stop usage
- PC control
- thread thermal calibration (optional)
- estimated life-expectancy of the muffle and the heater (quartz) - 10 years, if the temperature used is up to 1000°C
- programmable force and time for pressing

SPECIFICATIONS

MECHANICAL

height	only 635 mm
depth	only 300 mm
width	only 230 mm
weight	19.5 kg
gross weight	20.5 kg
chamber diameter	92 mm
chamber height	80 mm

ELECTRICAL

power supply	220÷230V/50÷60Hz 110V/60Hz (optional)
maximum power consumption /without pump/	1350W
admissible variation of the supply voltage	+10/-10%
average power consumption in operation	approx. 300W
pump power consumption	max 270W

OPERATION PARAMETERS

max. temperature (optional)	1200°C
heat rate	1÷200°C/min
max. program duration	9:59:59 h
standby temperature	100÷800°C
drying time	00:00÷99:59 min
lift position	0÷100%
closing time	00:00÷Drying time
preheating time	0:00:00÷9:59:59 h
start temperature (tempI)	stby÷tempII(max 700°C)
heat time	0:00:00÷9:59:59 h
final temperature (tempII)	tempI÷max.temp. tempII
hold time	0:00:00÷9:59:59 h
press start	0:00:00÷hold time
press time	0:00:00÷(hold-start)
press speed	5÷20 mm/s
press force	5÷25 kg
cooling time	00:00÷99:59 min
coolhold time	00:00÷99:59 min
opening time	00:00÷99:59 min
lift position for opening	0÷100%
cooling temperature	100°C÷tempII
opening temperature	100°C÷tempII
vacuum level	-0.30÷-0.99Bar or MAX
vacuum start / stop	by time, by temp&time, permanent