



# Ceramicmaster Press

Automatic programmable vacuum furnace for dental press ceramics.

- designed for all available types of dental press ceramics
- no need of compressor for pressure
- can be used for metal ceramics and sintering of pure ceramics, based on aluminium oxide
- 100 operating programmes
- completely controlled process - 21 programmable parameters in every program: start temperature, first drying, second drying, first firing, second firing, time and strength of pressing, first cooling, second cooling, vacuum control
- improved system for self-diagnostics
- multifunctional handle easy for operation
- a quartz muffle

	Technical data
Power supply	220V ~ ±10% / 50Hz
Power consumption:	
Furnace and vacuum pump	1700 W
Furnace without vacuum pump	1550 W
Vacuum pump data:	
Suction capacity	22 l/min
Adjustable vacuum	from 0.10 - 0.90 bar
Maximum firing temperature	1200 °C
Effective firing chamber dimensions	φ 95 mm, h 60 mm
Dimensions	
-width-depth-height	370 - 380 - 740 mm
Weight with vacuum pump	30 kg



# Dentmaster 80i

Microprocessor based programmable vacuum furnace for dental ceramics.

- 99 operating programmes
- for all types of dental metal ceramics
- vacuum range from 60 to 100 mbar
- automatic parameter control

	Technical data
Power supply	220V ~ ±10% / 50Hz
Power consumption	
- furnace and vacuum pump	1400 W
- furnace without vacuum pump	1250 W
Vacuum pump data	
- suction capacity	22 l/min
- vacuum	from 0,9 to 0.92 bar
Maximum firing temperature	1180 °C
Effective firing chamber dimensions	φ 80 mm, h 38 mm
Dimensions of closed furnace	
- width - depth - height	435 - 470 - 310 mm
Weight with vacuum pump	29 kg



Programmable parameters for **Dentmaster 80i**

- standby temperature
- temperature increase
- drying time
- holding time
- vacuum start
- vacuum release
- long term cooling time
- firing temperature

## Ceramicmaster E1000 ●●●

Automatic programmable vacuum furnace for dental ceramics.

- designed for all types of dental pure ceramics, based on aluminium oxide
- can be used for metal ceramics
- 100 operational programmes
- completely controlled process - 19 programmable parameters in each program: start temperature, first drying, second drying, first firing, second firing, first cooling, second cooling, vacuum control
- improved system for self-diagnostics
- multifunctional handle easy for operation
- a quartz muffle
- an additional timer for real time
- an option for automatic continuation of the programme on brief power breakdown
- an option for transfer of programme parameters on series interface RS232
- an option for a remote analysis of the damage

	Technical data
Power supply	220V ~ ±10% / 50Hz
Power consumption:	
Furnace and vacuum pump	1700 W
Furnace without vacuum pump	1550 W
Vacuum pump data:	
Suction capacity	22 l/min
Adjustable vacuum	from 0.10 - 0.90 bar
Maximum firing temperature	1200 °C
Effective firing chamber dimensions	φ 95 mm, h 60 mm
Dimensions of closed furnace:	
-width-depth-height	370 - 380 - 580 mm
Weight with vacuum pump	27 kg



**NEW**

## Ceramicmaster E 10 ●●●

Automatic programmable vacuum furnace for dental ceramics.

- designed for all types of dental metal ceramics
- 100 operational programmes
- completely controlled process - 14 programmable parameters in every program: name, idle temperature, dry temperature, predrying time, drying time, firing, first cooling time, second cooling time, vacuum control
- improved system for self-diagnostics
- multifunctional handle easy for operation
- a quartz muffle
- an option for automatic continuation of the programme on brief power breakdown
- an option for transfer of programme parameters on series interface RS232
- an option for a remote analysis of the damage

	Technical data
Power supply	220V ~ ±10% / 50Hz
Power consumption:	
Furnace and vacuum pump	1700 W
Furnace without vacuum pump	1550 W
Vacuum pump data:	
Suction capacity	22 l/min
Vacuum	from 0.90 to 0.92 Bar
Maximum firing temperature	1150 °C
Effective firing chamber dimensions	φ 95 mm, h 60 mm
Dimensions	
-width-depth-height	370 - 380 - 580 mm
Weight with vacuum pump	26 kg



# ZirconMaster

Microprocessor based programmable furnace for sintering of zirconium oxide frames.

- for sintering of all the brands of zirconium oxide available on the dental market
- 100 operating programmes
- 8 programmable parameters in each programme: starting temperature, speed of increasing of the temperature 1, first firing (temperature and time), speed of increasing of the temperature 2, second firing (temperature and time), temperature for starting opening of the furnace, delayed cooling
- automatic control of the parameters and double protection against overheating
- an option for connection with PC through RS-232 cable
- an option for proceeding with the work of the programme after a brief problem with the power supply
- delayed start of the programme

	Technical data
Power supply	220V ~ ±10% / 50Hz
Maximum power consumption	3500 W;
Internal dimensions of the chamber	150x150hx100mm(2.25l)
Dimensions	
- wight - length - height	510 - 500 - 1120 mm
Maximum temperature in the chamber	1550°C
Type of the closing	lower loading automatic lifting
Weight	61 kg



# Poly AM

NEW

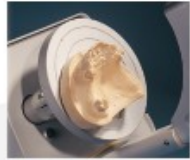
Pressure polymerization unit with temperature range up to 125 °C

- Continuously adjustable temperature for hot and cold polymerization
- Completely automatic process
- Precise microprocessor control of the temperature and the time for polymerization
- Chamber made of stainless steel
- Option for manual and automatic draining of the water
- Electromagnetic valve for drainage
- No special maintenance required

	Technical data
Power supply	220V ~ ±10% / 50Hz
Maximum power consumption	1220 W
Power of the heater	1200 W
Internal measurements of the working chamber	φ 140 mm / height 145 mm
Effective volume of the device	1,5 l
Maximum working pressure	6 Bar
Programmable working temperature	from 40 up to 125 °C
Programmable time for polymerization	from 1 up to 99 min
Dimensions	
- wight - length - height	315 - 350 - 260 mm
Weight	13 kg



## PinPrecise PP100 ●●●



- precise mechanical positioning
- drill revolution regulation
- automatic switching on system
- adaptive to all kinds of systems for models preparation by drill movement revolution
- compact and ergonomic
- dust reduction system

Technical data	
Electrical supply	220V ~ ±10% / 50Hz
Max power	100 W
Max drill revolutions	4000 min <sup>-1</sup>
Collet diameter	φ 3 mm
Drill regulating movement	12 mm
Laser	class 3 max 5 mW
Dimensions	
- wight - length - height	157/410/160
Weight	5 kg



Pins are positioned maximum precisely due to the laser aiming in apertures drilling.

The laser used for positioning of the drilling instrument gives two indisputable priorities: precision and excellent visibility of the laser marker on the model even in bright light background.

Optimal drilling speed can be achieved by revolution regulation of drilling instrument.

Automatic switching on system of the motor during the pressure on working table gives possibility for the apparatus to be in working position for a long time without disturbing your work.

Foldable support of the apparatus makes it handy for carriage and storage and comfortable even in a sitting position while working.

Dusting system makes your working environment more comfortable.

Dust container is integrated in the working table and it is handy for removal and cleaning.

## SlitPrecise SP100 ●●●

A new generation of electronic separator for plaster moulds with a laser marker.

- the cutting is made from the side of the model's base
- the direction of the cut is selected by means of a laser marker
- an option for engaging to an aspiration
- a specially designed diamond separator for easier cutting
- a special system for cutting safety



Technical data	
Electrical supply	220V ~ ±10% / 50Hz
Max power	200 W
Max drill revolutions	9000 min <sup>-1</sup>
Depth section	26,5 mm
Width of the section	0.3 mm
Diamond separator	φ 85 x φ 16 x 0,3
Laser	class 2
Joining dimensions for aspiration system	external φ 40 mm internal φ 37 mm.
Dimensions	
- wight - length - height	290 - 320 - 170 mm
Weight	10 kg



## DFM - 75E ●●●

### Dental milling machine

- free milling of wax and metal
- precise milling and drilling
- usage as a parallelometer
- electromagnetic connection of the table
- local lighting

Technical data	
Power supply	220V ~ ±10% / 50Hz
Power consumption	140 W
Micromotor type 3M160-2	
- type	brushless
- power output	160 W
- speed	from 450 to 30 000 min <sup>-1</sup>
- reverse direction	possible
Working space	
- free motion - Y axis	75 mm
- free motion - Z axis	30 mm
- free motion - φ axis	360°
Vertical travel of executive mechanism - Z axis	70 mm
Dimensions	
- width - length - height	245 - 340 - max. 520 mm
Weight	18 kg



## Firemagic FM4 Plus ●●●

Microprocessor programmable furnace for preliminary thermal treatment for model moulding and precious metals.

- 10+1 user programmes (power independent)
- five temperature stages
- programmable speed of temperature increase between stages from 1° to 10° C/min
- automatic parameter control
- defered starting - up to 90 hours
- additional option - programmable active steam extraction
- an option for working with shock investments

Technical data	
Power supply	220V ~ ±10% / 50Hz
Power consumption	2000 W
Maximum firing temperature	1100 °C
Maximum program duration	100 h
Effective firing chamber dimensions B/H/L	
with ceramic wax collection tray	100/170/180 mm
Overall dimensions	
- width without control panel	360 mm
- width with control panel	525 mm
- depth	400 mm
- height	360 mm
Weight	28 kg



Steam extractor for Firemagic FM4 Plus

## LC - Cast 60 ●●●

Machine for centrifugal casting with inductive high frequency metal melting.

- Designed for casting of Co-Cr, Ni-Cr and precious alloys used in dentistry
- An autonomous water cooling



Technical data	
Power supply	220V ~ ±10%/50Hz
Maximum power consumption	3 kW
Minimum alloy quantity in the crucible	7 g
Maximum alloy quantity in the crucible	80 g
Crucible material	ceramics
Crucible material when casting precious alloys	ceramics with graphite insertion
Maximum time for full melting of 30g of alloy	60 s
Cooling	water, autonomous
HF power rating adjustment when melting Ni-Cr-Co alloys or precious alloys	manual
Motor acceleration adjustment	manual
Casting	manual
Dimensions L/B/H	620/660/1060 mm
Weight	130 kg



## LC - Cast 600 ●●●

Machine for centrifugal casting with inductive high frequency metal melting.

- Designed for casting of Co-Cr, Ni-Cr and precious alloys used in dentistry
- Manual and automatic mode of melting
- An option for an automatic maintenance of optimum power
- Automatic mode of casting
- An autonomous water cooling
- A handy vacuum-fluorescent information display

Technical data	
Power supply	220V ~ ±10%/50Hz
Maximum power consumption	3 kW
Minimum alloy quantity in the crucible	7 g
Maximum alloy quantity in the crucible	80 g
Crucible material	ceramics
Crucible material when casting precious alloys	ceramics with graphite insertion
Maximum time for full melting of 30g of alloy	60 s
Cooling	water, autonomous
HF power rating adjustment when melting Ni-Cr-Co alloys or precious alloys	automatic/manual
Motor acceleration adjustment	manual
Casting	automatic
Dimensions L/B/H	620/620/1060 mm
Weight	135 kg



## PVD-G22

Vacuum pump

Technical data	
Power supply	220V ~ ±10% / 50Hz
Max. power	150W
Suction capacity	22 l/min
Ultimate pressure	80 mbar
Dimensions	
- width - depth - height	160 - 240 - 170 mm
Weight	4 kg



## Dentwax

Thermocontrolled pot for wax melting

- easy electronic temperature control
- high accuracy of assigned temperature maintaining

Technical data	
Power supply	220V ~ ±10% / 50Hz
Power consumption	36 W
Temperature range	from 40 to 100 °C
Accuracy of supporting of assigned temperature	± 2 °C
Volume	45 ml
Maximum time of reaching of assigned temperature	10 min
Dimensions	
diameter - height	φ 72 mm - 138 mm
Weight	0,6 kg



## Waxmag 60

Electromagnetic heater for wax knives

- heating without open fire
- automatic on/off switching of the heating if there is (there isn't) a wax knife in the working area
- movable working head for handy work
- absence of any hazardous emissions and overheating in the working premises
- economy of spirit and gas, used in the classic technology

Technical data	
Power supply	220V ~ ±10% / 50Hz
Power consumption	
- in 'stand by' mode	32 W
- in working mode	120 W
Maximum deflection of the working head movement from central position	18°
Dimensions	
- width - depth - height	101 - 210 - 135 mm
Weight	0.65 kg

