

HYDRAULIC PRESS



item: 719/00 - HYDRAULIC PRESS

The hydraulic press is used by the dental technician to mould mobile prosthesis, through the compression of the resin inside the muffle.

The hydraulic press "GD" is able to clamp up to 3 muffles and reach a maximum pressure of 400 bars, exerting on the muffles a force of 15000 Kg (150.000 N). This is an excessive pressure and in order not to damage the muffles, the working pressure should be limited to 200 bar. The press features a manual pump operated directly by the user through a lever. The strength operated on the lever is proportioned to the inner pressure, therefore with an increasing pressure the strength used by the operator must increase as well.

This is to avoid reaching too high pressures which could damage the machine. The oil-pressure circuit is fully airtight and doesn't need any maintenance.

TECHNICAL FEATURES:

Working pressure:	200 bar
Max pressure:	400 bar
Max force:	15.000 Kg
Base material:	hydraulic cast iron
Weight:	20 Kg

item: 719/01 - Brass muffle in four parts.

item: 719/02 - Molten aluminium flask (for one muffle).

item: 719/03 - Molten aluminium flask (for two muffle).

DRILL PLASTER MACHINE



item: 746/00 - PIN 2000

The PIN 2000 drill plaster machine is capable of drilling plaster models or plexi-glass and PVC bases for the application of conical pins in the removable stump technique. The machine is supplied with a Laser pointer system that allows a fast and safe alignment of the perforation. This is done by holding firmly with both hands the model in the position where the drill must be performed (indicated by the red laser beam) and at the same time, by lowering the working surface towards the rotating tip. The perforation depth can be regulated by rotating a nut, clearly located on the front of the machine. This machine is very precise and vibrations free: a due condition if a perfect drilling wants to be obtained. The engine is powerful and enables the end user to drill also plexi-glass and PVC bases.

TECHNICAL FEATURES:

Power supply:	120 Watt
Rotating speed:	2.800 rpm
Feeding:	220 V AC-50 Hz
Tip diameter:	3 mm
Dimensions:	25x26x40 cm
Weight:	15 Kg

CERAMIC FURNACE



item: 834/00 - ZEUS 4

This furnace is suitable for all types of ceramics. The furnace is supplied with electronic vacuum control, a large LCD display and it has 100 free programmes and features a quartz chamber, which enables it to obtain a complete and perfect firing process, thanks to the "Infrared rays". It is the last generation furnace, designed and manufactured to obtain the best outcome with all types of dental ceramics. The technician can set up to 15 functions (variables) per programme which optimize the firing cycle of all types of ceramic. Zeus 4 manages the vacuum at its best, that is, one can set the desired vacuum level and the pump stays On only for the time needed to obtain the pre-set vacuum and turns itself On again only to reset the vacuum level if there are drops happening during the firing cycle. It is also possible to set the speed of the raising plate, the display brightness, the sound signal mode and the position of the plate during the cooling phase. The furnace can perform with any type of pump and it is supplied with a protective electric valve which prevents the oil from re-entering in case of an oil pump. The electronic control is managed by a very powerful microprocessor, and software updates or corrections can be installed directly by the operator.

TECHNICAL FEATURES:

Feeding:	230 V-50/60 Hz
Power (without pump):	1200 Watt
Fuse:	10A
Dimensions:	40x44x49 cm
Available programs:	100 (80+20)
Chamber:	quartz resistance
Max temperature:	1200 °C
Self-calibrating program:	OK
Manual calibration program:	OK
Vacuum level:	OK

item: 834/30 - OIL VACUUM PUMP

Very powerful, compact and noiseless, it creates a vacuum higher than 99% of the absolute vacuum (755mmHg).

PRE-HEATING CYLINDER FURNACE



Electronic control with microprocessor, the furnace manages 7 programmes with 4 phases per programme. The following can be set for each phase: temperature, raising speed and holding time. An ignition delay up to 100 hours can also be set. The furnace comes in 3 versions: small (S), medium (M) and large (L). The furnace ZEUS comes with a monobloc ceramic muffle with an external wrapped around resistance. This enables the temperature to be homogeneous in all its 4 sides: upper, lower and laterals. The fumes follows a natural circulation and come out from a rear chimney. To improve the exit of the fumes a chimney, which is supplied as an accessory, can be installed (SR731). Such installation is extremely simple and can be done by the operator. The oven features a safety micro-switch, which stops the resistance in case the chamber is opened. The oven is airtight with environmental materials in compliance with the requirements. Another useful accessory is the dewaxing plate which we also advise to buy, in fact it prevents the liquid wax from being absorbed by the muffle, keeping it free from abrasions and deteriorations which can damage it.

item: 835/00 - ZEUS 1

item: 836/00 - ZEUS 2

item: 837/00 - ZEUS 3

TECHNICAL FEATURES:	ZEUS 1	ZEUS 2	ZEUS 3
Feeding:	220-240 V	220-240 V	220-240 V
Overall dimensions:	32x40x50 cm	36x46x52 cm	42x53x55 cm
Chamber dimensions:	16x16x10 cm	18x23x11,5 cm	23x30x15 cm
Max temperature:	1100 °C	1100 °C	1100 °C
Weight:	28 Kg	35 Kg	45 Kg