
USER MANUAL

AX-PT3 POLYMERIZATION UNIT

DESCRIPTION

The AX-PT3 Polymerization Unit is an essential machine used in dental labs. This unit can be used to heat 2 flasks. It features short heating time to 99C, computerized chip with memory, and low water protection system. After the heating process is finished, it will be turned off automatically and the alarm will sound. This unit is the ideal equipment for making resin teeth, for example self-curing denture base polymer powder and heat-curing powder for synthetic polymer tooth and full baseplate.

SPECIFICATIONS

Voltage: 220V±10% 50/60Hz

Power: 2000W

Temperature: room temperature – 99C (Adjustable)

Dimensions: 600x270x480(mm)

INSTALLATION

1. Water supply should be available near the machine.
2. Make sure the voltage is 220v±10%, a 25A air socket should be installed and has proper grounding.
3. A drainage or water tank should be available near the machine for water release.

OPERATIONS

1. Plug in the power, open the lid and fill in 1/2 clean water, turn on the power, the power indicator should be on and the display shows the water temperature (ambient temperature).
2. The Maximum Temperature, Maintain Temperature, and Maintain Time can be adjusted, and the settings can be automatically stored.

Setting:

- 1) Press Test button to change the setting, Heat Indicator (first light) and Maintain Temperature Indicator (second light) light up, and the machine is in Setting Mode. The display shows the Maximum Temperature (default setting is 97C).
- 2) Press Test button again, the display shows the Maintain Temperature (default setting is 67C), the second indicator lights up.
- 3) Press Test button again, the display shows the current water temperature (room temperature).
- 4) Press Test button continuously, to check the three settings.
- 5) In setting mode:
 - a) Press HEAT/STOP button (first button), only the first indicator lights up, the Maximum Temperature can be adjusted within 85C - 99C (default setting is 97C), press the button once to increase 1C.
 - b) Press MAINTAIN/STOP button (second button), only the second indicator lights up, the Maintain Temperature can be adjusted within 38C - 85C, press the button once to increase 1C.
- 6) Press and hold the TEST button for more than 5 seconds, the machine

will exit Setting Mode and all the settings will be stored.

- 7) Press HEAT/STOP button (first button) to make the machine starts heating.

3. Heating Process

The machine heats to the Maximum Temperature and keeps heating for 10 minutes, then the temperature will drop to Maintain Temperature and keep for 1 hour. After that the alarm will sound, and the machine will turn off automatically.

CAUTIONS

1. The machine should have proper grounding, the grounding resistance should be $<0.4\Omega$.
2. The power supply should have enough power and the power cord should be more than 2.5mm^2 .
3. The water tank should be cleaned regularly.
4. The water level inside the water tank should always be more than 1/2.
5. The lid may be hot during heating, do NOT touch with hands.

ACCESSORIES

User Manual 1PCS