AIXIN MEDICAL

USER MANUAL

AX-D1 Electrolytic Polisher



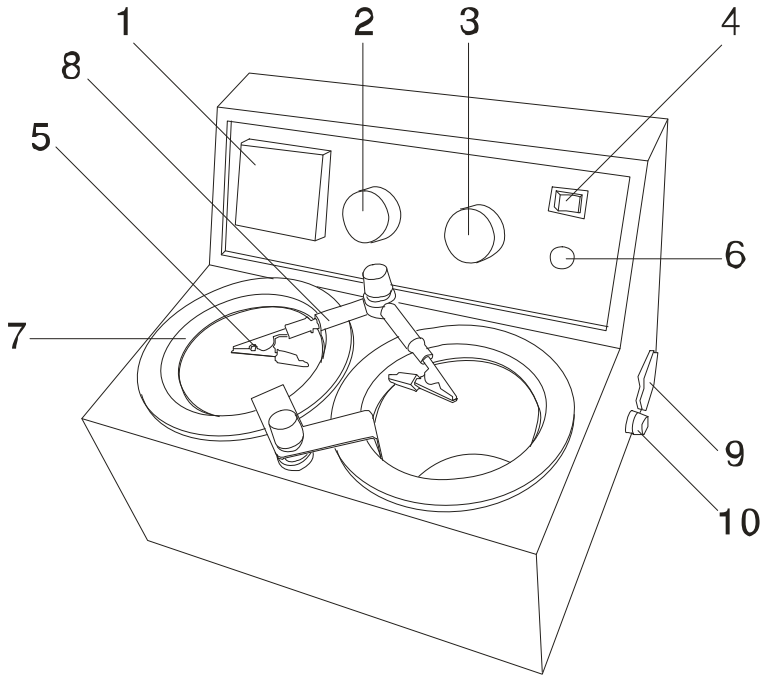
Description:

The AX-D1 Electrolytic Polisher is used in restorative dentistry, it can be used to polish objects that are polished by sandblasters such as cobalt-chrome alloys or objects made of stainless steel: denture frames, crowns and bridges and clasps. This machine can also be used to polish workpieces that are made of special materials. It has a delicate design and beautiful shape, its small size makes it a compact device. The two cylindrical electrolytic baths can work at the same time to improve its efficiency, and it can polish objects from all directions. The electrolytic baths are its cathode, and the anode is the clip which is used to hang castings. The timer controls the duration of electrolytic polishing, and the current can be controlled during the polishing process.

Specifications:

Power supply voltage	AC 220V / 110V　50HZ / 60HZ ±10％
Power	150W
Timer	0-15mins
Current	10A
Dimensions	30×26×23 (cm)

Diagram：



1. Ammeter
2. Current regulator
3. Timer
4. Power switch
5. Crocodile clip
6. Power indicator
7. Electrolytic bath
8. V-shaped bracket

9. Electric outlet with fuse tube (1A)
10. DC fuse tube (7A)

Instructions:

1. After unpack the package, check if all the accessories are inside, read this manual carefully before using.
2. Connect the machine to an electric outlet, turn on the power, the power indicator should be on, and the machine is in standby mode.
3. Pour right amount of electrolyte into the baths.
4. Tie the casting to a metal wire and hang it on the L-shaped anode bracket. Soak the casting completely into the electrolyte in the cathode ring. Do not let the casting on the anode touch the cathode to avoid short circuit.
5. Adjust the timer clockwise to the desired time and turn on the power switch.
6. Turn the currency knob to control the electrolytic current, the amount of current is indicated on the ammeter. Adjust the current amount to 3-3.5A for single bath operations, and 4-4.5A for double bath operations.
7. The machine will automatically stop after the timer runs out of time. If user wants to stop the machine immediately, turn the power knob anti-clockwise to 0. for polishing small objects, please use small electric current, and watch the process carefully to avoid over-polishing which may damage the polished objects.

Cautions:

1. Make sure that the power supply voltage fits the voltage of this machine.
2. Check the electrolytic bath regularly, replace when there is a leak.
3. Make sure there is good contact among the polished casting, stainless steel wire and the clip.
4. Check if there is short circuit among the polished item, stainless steel wire and the cathode, make sure there is no short circuit before using.
5. The surface of the polished casting must be treated properly (deoxidizing, degreasing etc.), otherwise the desirable effect may no be achieved.
6. Make sure the temperature of the electrolyte does not go above the temperature rating (80°C).
7. Please change the electrolyte regularly. If the electric current decreases or stays the same after the voltage has been raised, or if the electrolytic process takes longer time and the effect is not good enough, it indicates that the electrolyte is dirty and needs to be changed immediately.
8. Stop the machine for 30 minutes after using it for more than 90 minutes.
9. Please make repairs after the power if off.
10. There must be a good contact between the cathode pole and the cathode hole.
11. There should be a reliable ground connection to the case of the machine.

Accessories:

Manual	1
Power cord	1
Fuse tube (7A)	2
Crocodile clip	1