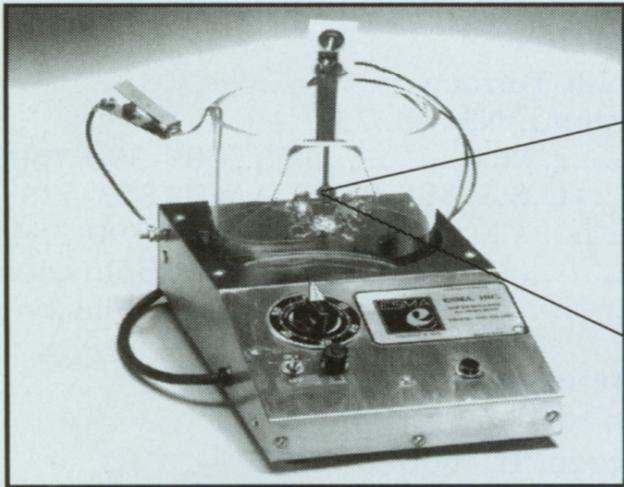




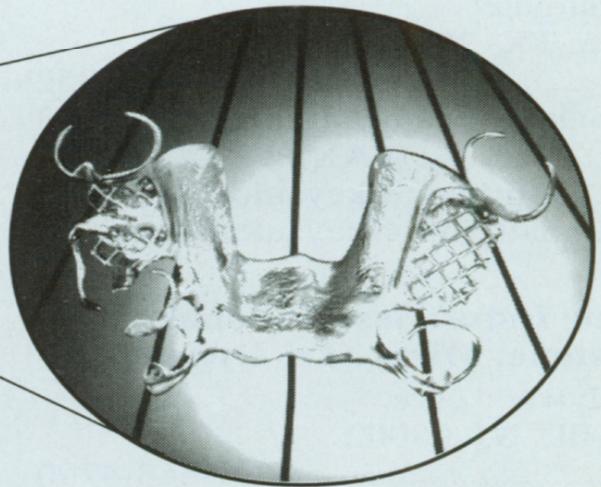
This little baby really delivers

(without the labor)

Esma introduces the "Baby" Electro Polisher Auxie-1S Model E796, to Our Auxie Electropolishing Family



AUXIE-1S



Ideal for labs that cast 3 to 5 partials per day

You can now achieve the same results high production labs have experienced for 20 years with the larger Auxie units. These features are:

- Elimination of most of the manual rubber wheeling
- Inside deep palate polishing
- Built of non-corroding alloys
- Temperature regulated heating platform

The "Auxies" when combined with ESMA-Brite Electropolishing solution results in superior shine and maximum labor savings.

***Call us today at
800-276-2466 for
more information***



P.O. Box 734
450 W. Taft Drive
South Holland, IL 60473
800-276-2466
*Designed and manufactured
in South Holland, Illinois, USA*

ESMA, Inc.

750 W. Taft Drive PO Box 734
South Holland, IL 60473
708-331-1855 800-276-2466
FAX 708-331-8919

INSTRUCTIONS FOR Model E796 Auxie-1S

AUXIE - 1S ELECTROPOLISHING UNIT, MODEL E796

The Auxie-1S unit is intended for labs that cast up to 5 partials per day. For higher daily volumes we recommend our automated electropolishers that will polish 3 to 5 partials at a time.

In the AUXIE units approximately 50% of the current (“juice”) is directed into the deep palate, resulting in uniform shine and substantially reduced attack on the clasps. Even the deepest palate of the largest “horseshoes” will attain a high uniform luster.

FOR BEST RESULTS, FINE-STONING, FOLLOWED BY SAND-BLASTING IS ABSOLUTELY NECESSARY.

HOW IT WORKS

Partial, clean of investment, moisture, oils, and foreign matter, is attached to holding device, with the auxiliary (additional) cathode position ½” to ¼” from the point of deepest recess of the partial’s palate. Device with partial is then mounted and treated for 30 minutes (followed by rinsing).

SAFETY PRECAUTIONS

The solution, although without volatile corrosive components, is acidic and presents hazards:

- Avoid contact with skin, if contacted - rinse off with plenty of water.
- Avoid contact with eyes: wear safety goggles when pouring or removing tank; if contacted - rinse with plenty of water; seek medical attention.
- Solution will damage clothes and carpeting.
- A small amount of solution is emitted during polishing as mist; avoid inhaling, install near draft, exhaust or ventilated area.

No corrosion will occur if ESMA-BRITE solution is used: corrosive damage will occur with many other solutions.

INSTALLATION

Install near sink and ventilated area. Place cathode in jar (see diagram 1) and place jar into recess of cabinet. Connect cathode clip (left side of unit) to cathode rod. Pour ESMA-BRITE solution into jar to approximately 1 ½” below top of jar. Solution should not touch plastic block of holding assembly. Connect cord of unit to properly grounded 3-prong, 120 VAC outlet.

OPERATION

- Turn unit ON and heating of solution will begin. The solution temperature will control at approximately 120 degrees F but it will take one hour minimum to reach this temperature. If the first partial of the day is polished while solution is still heating, just increase polishing time of first partial.

NOTE: If during heat-up you notice an odor, it is possible that solution was spilled on the heating platform; shut off unit, remove tank and after heating platform has cooled, wipe off any solution present on platform and tank (wipe off remnants of solution with clean wet {water} cloth). If odor persists—repeat the procedure and if no improvement, tank may be leaking (contact manufacturer).

- Attach partial to holder 13N with lingual side facing auxiliary cathode 35L(see diagram 2). Cathode 35L should be positioned ¼” to ½” from the deepest recess of partial; the vertical position of auxiliary cathode is fixed by adjusting wing nut 23F.

For the polishing of small attachments, clasps, etc., a clip (part 30D) with a welded extension wire can be purchased. This clip with wire are made of a special alloy.

Loosen wing nut 23E that secures partial to holder, and attach clip with wire to it. There is no need to remove the partial holder. Retighten the wing nut, making sure that the clip DOES NOT TOUCH the auxiliary cathode. Reduce the polishing time to 10 - 15 minutes, depending on the size of item to be polished.

AUXILIARY CATHODE MUST NOT TOUCH THE PARTIAL (SHORT-CIRCUIT!)

Mount holding assembly with attached partial on top edge of glass jar (see diagram). Insert red and black plugs into their respective sockets located on right side of unit.

- Turn the timer clockwise to the required setting and polishing will begin. (Gas bubbles should be visible at the cathodes). We recommend 20 minutes polishing for a lingual bar and 30 minutes for a medium horseshoe at the 120 degree F temperature. Longer polishing times maybe required if solution is cold or a large horseshoe is being polished.

END OF TREATMENT

End of treatment comes with the lapse of time on timer. A partial can be left for some time in the solution after completion of polishing with no danger of damage.

Unplug red and black wires from right side of unit and remove holding assembly with partial from jar. Partial and clip 13N should be rinsed under water before partial is removed from clip.

****FINE STONING**

To get the maximum shine on your partials, it is necessary to fine-stone the partial prior to electropolishing. Only if you fine-stone and sandblast the partial, will you eliminate most of the manual rubber wheeling and high-shinning. Several labs who have our AUXIE units report good results when stones manufactured by BRASSELER USA, INC. were used. The recommended stones are: Large Barrel 731-330. Taper Barrel 733-330 and inverted Cone 735-330. Free samples of these stones are enclosed along with ordering information.

CAREFUL FINE-stoning is the key to labor saving.

MAINTENANCE

According to reports from dental labs, it is possible to get up to 100-125 quality polished partial with one gallon of ESMA-BRITE (results vary from lab to lab and this figure should not be considered as binding on us in any way).

- Disconnect cathode clip from jar cathode rod.
- Slowly lift jar out of unit.
- Dispose of solution according to local regulations.
- Rinse and clean jar and dry with towel.
- Place jar back into cabinet and refill with ESMA-BRITE.

The cabinet is made of Stainless Steel. The finish can be restored by using a commercially available cleaner for kitchen appliances.

The holding assemblies need to be cleaned in 1-2 months depending on volume of work. During the electropolishing, the evolving gases carry a mist of ESMA-BRITE solution, which precipitates on various parts of the holding assembly.

Procedure for cleaning: loosen all connections of holding assembly, rinse with hot running water, use mild detergent and brush especially at joint and connections.

EXCHANGE OF ESMA-BRITE SOLUTION

Dental Labs realize outstanding savings with our Auxie electropolishers for Chrome Partial. The savings can be achieved only with our ESMA-BRITE

solution. Other solutions, some containing volatile corrosive components, may damage the unit but most important, not produce the superior results that warranted the purchase of the AUXIE in the first place.

Generally, good shine should be achieved up to 100 partials per gallon of ESMA BRITE. This will vary depending on the amount of water introduced into solution and the cleanliness of the electrical connections. When humid conditions exist, leaving unit on will keep solution warm to slow down the moisture pickup by solution.

For any technical information or cleaning supplies call 1-800-276-2466.

