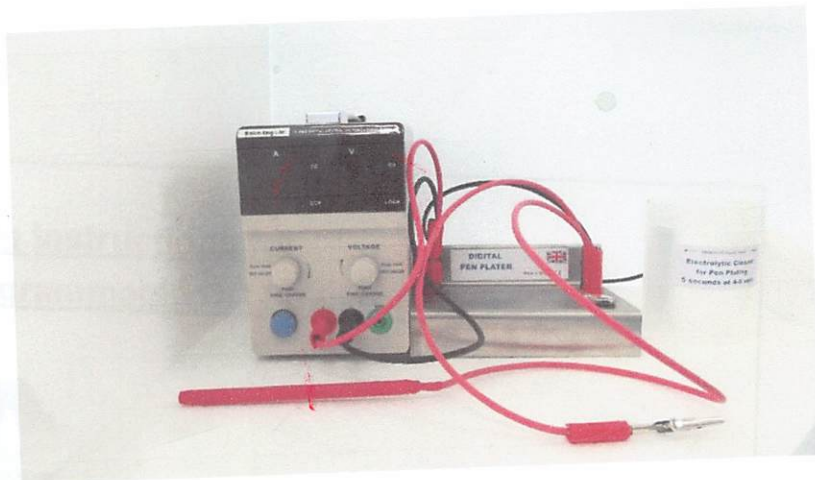


DIGITAL PEN PLATER

With electrolytic cleaning and base cathode plate to produce top quality selective plating.



INSTRUCTIONS for set up

1. Set up your DIGITAL PEN PLATER as the illustration above.
2. Connect all the red connections only to red sockets and black connections to black sockets. Connect the red clip to the threaded connector at the rear of the ELECTROLYTIC cleaner tank.
3. Make up the ELECTROLYTIC CLEANER by dissolving all the salts in 500 ml of tap water and pouring the mixture into the 500 ml bottle provided.
4. Pour 200mls of the ELECTROLYTIC CLEANER solution into the small bath fitted with an anode. This a non-toxic solution.
5. Pour a small amount of Pen Plating solution into the 5ml beaker mounted on the work plate.
6. Plug POWER SUPPLY unit into mains and switch on. Refer to separate instructions for POWER SUPPLY set up. Set the Voltage reading to 5 volts.
7. Remove the plastic cover from the pen tip, fit a clean nib and place the tip into the Pen Plating solution. If the nib is new it is suggested that you leave the pen in plating solution for 3 minutes to ensure the felt nib is evenly soaked.

OPERATION

1. Take the item to be plated and suspend it on a piece of copper wire or opened paper clip. Clip the black crocodile clip to the connecting wire or hook and place the item under the surface into the ELECTROLYTIC CLEANER. Bubbles will start to appear and the digital amp meter will start to read. Leave for 10 seconds, remove and rinse well in clean tap water - Rinsing is the most important part of electroplating.
2. Dry the item a little to remove excess water using an absorbent paper. It is not necessary to remove all the water.
- 3 Place on the stainless steel work area or clip the black lead to the item if this is more convenient.
4. Remove the pen from the 5ml beaker and gently move the pen tip over the area requiring electroplating. Do not rub the surface, you need to create a miniature wet cell on the surface of the item. Plate for 5 to 30 seconds.
5. Rinse the item and dry.

NOTES

- A. For difficult areas, use a Lacquer pen to stop off the area not requiring electroplating.
- B. Place the red cover onto the 5ml beaker to reduce evaporation.
- C. Keep nib covered using the provided cap to stop the nib drying out.
- D. Change nibs for different solutions, wash pen between change of solutions.

DATA

Voltages: Rhodium = 3 to 6 . Gold = 4 - 8 volts Silver = 2 to 4 volts.
Solutions for pen plating. 18, 22 and 24K Hard Gold
White and Black Rhodium, Silver, Copper, Nickel.

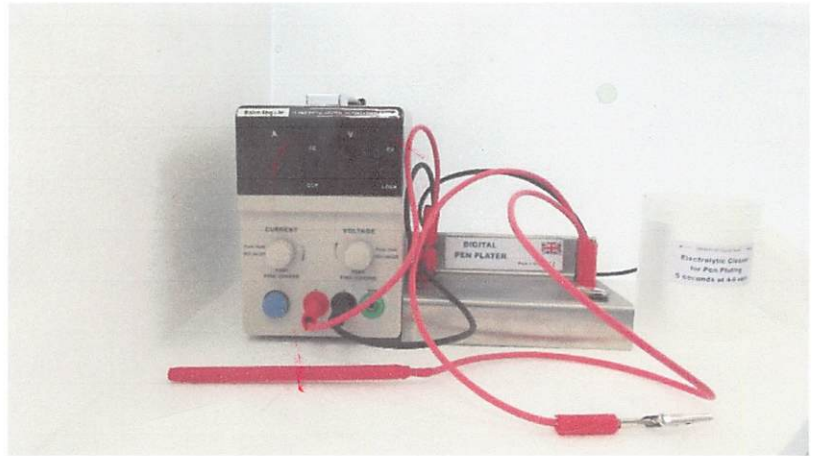


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Manufacturing processing equipment since 1969



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