



101 N. Haven St.
Baltimore, MD 21224

(410) 342-1400

www.cohler.com

ENTERPRISES, INC.

Platinum Pen[™]

Decorative Platinum Plate (Decorative)

Product Description

Platinum Pen[™] is a resilient platinum pen plating solution which deposits platinum over nickel, sterling silver, platinum, rhodium, palladium and most other similar metals.

Platinum Pen[™] plates a resilient white/rhodium looking finish. It provides excellent coverage and leveling ability.

Platinum Pen[™] offers a cyanide-free and non-hazardous alternative to hazardous pen plating solutions.

Platinum Pen[™] is supplied as ready to use, for ease of set-up and operation.

Applications:

Over nickel, sterling silver, platinum, rhodium, palladium and most other similar metals.

Cautions: Read all safety information before using this product

1. Use only with proper ventilation.
2. Wear gloves, safety goggles, and apron.
3. Avoid contact with eyes and skin.

Operating Conditions:

Temperature	Room temperature
Current Density	6-10 Volts (depending on size of part)
PH	9.2-10.0
Equipment	Standard pen plating equipment

Bath Set Up:

1. Use solution directly out of jar.
2. Check connections from pen plater to be sure the negative (-) and positive (+) wires are connected properly. The work should be charged negative (-), and the pen (anode) positive (+). Turn Unit On.
3. Plate for 30-45 seconds in a continuous motion seconds at 6-10 volts depending on size of part and coverage desired.
4. Larger parts require slightly higher voltage (8-10V), while smaller parts require lower voltage (4-8V). If part shows any burning such as a dark or rich orange deposit around the edges, you are burning the part and must lower the voltage. If part is not a platinum color after 45-60 seconds of plating, voltage is too low, therefore, increase voltage slightly.
5. After platinum plating rinse part thoroughly in deionized water and dry completely with either a steam cleaner or a hot air dryer.

Trouble Shooting:

Pieces not Plating

- Check power supply or pen plating unit, make sure switch is on.
- If switch is on, check fuse.
- Check connections from power supply to anode or cathode (part).

Pieces turn dark gray or black

- Anode/cathode connections are reversed.
- Current is too high.

Pieces turn hazy, cloudy,

- Current too low. Adjust to higher current.
- Plate for a longer time.
- Organics are too high. Solution is used up - discard.

Pieces are too rich in platinum color

- Current too high. Adjust to lower current.
- Plate for a shorter time.
- If solution is old, organics are too high. Solution is used up - discard.

Discard & Replace:

Platinum-Pen™ is a rugged solution and is designed to help assure long life. If, however, a problem should arise that cannot be solved by any of the above recommendations, or recommendations by our or any other qualified laboratory, the bath may need to be replaced: Transfer to a D.O.T. approved container. Check with local authorities for proper disposal.