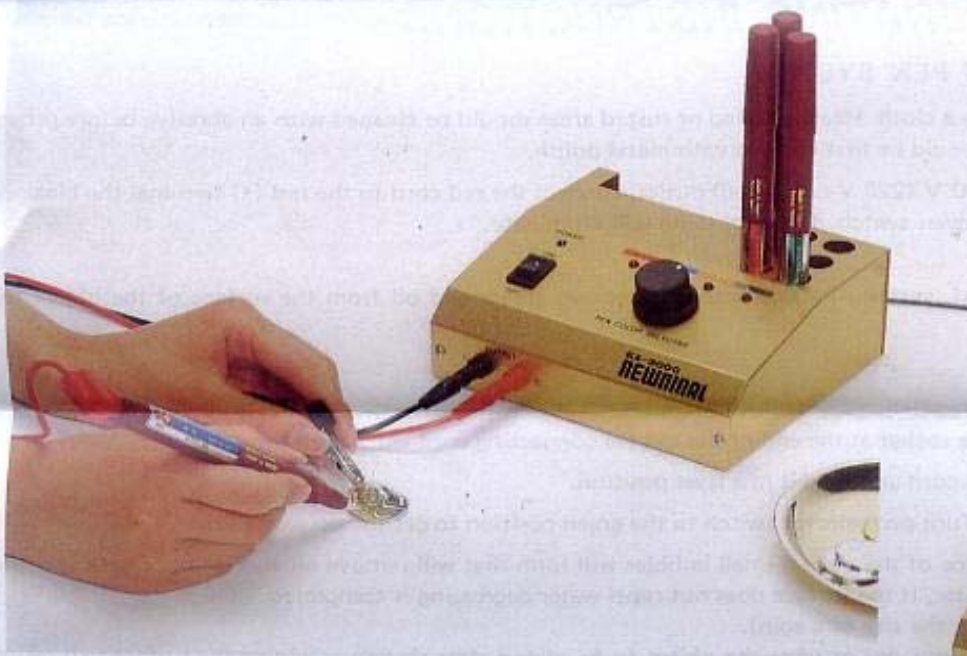


OPERATING INSTRUCTIONS

FOR THE

NEWNINAL[®]

PEN PLATING SYSTEM



DIMENSION:

160mm x 140mm x 75mm

GLOSS WEIGHT:

300g

* Above are figure out
at case package.



A REVOLUTIONARY NEW WAY TO PLATE!

NEWNINAL STANDARD SET

NEWNINAL[®] pen plater rectifier with black & red leads

NEWNINAL[®] degreaser pen

NEWNINAL[®] 18k gold plating pen

NEWNINAL[®] silver plating pen

Instruction manual

OPTIONAL PLATING PENS

- NEWNINAL[®] copper plating pen
- NEWNINAL[®] nickel plating pen
- NEWNINAL[®] black nickel plating pen
- NEWNINAL[®] chrome color plating pen
- NEWNINAL[®] 24k gold plating pen
- NEWNINAL[®] 14k gold plating pen
- NEWNINAL[®] pink gold plating pen
- NEWNINAL[®] 24k heavy gold plating pen
- NEWNINAL[®] 18k heavy gold plating pen
- NEWNINAL[®] heavy silver plating pen
- NEWNINAL[®] rhodium plating pen
- NEWNINAL[®] degreaser pen for stainless steel

- All pens contain 10 ml. of solution which is equal to approximately .5 liquid ounces.



JOIN THE PLATING REVOLUTION!

WITH THE NEWNINAL[®] PEN PLATING SYSTEM

NEWNINAL makes it easy for you to electroplate safely and quickly with our new PEN PLATING SYSTEM. Using disposable pens, the NEWNINAL PLATING SYSTEM is perfect for OPTICAL FRAMES, JEWELRY, ORNAMENTS, ACCESORIES, SMALL PARTS and any item that requires a new finish.

FEATURES

1. **SIMPLE:** The greatest feature of NEWNINAL is that any person without specialized technical skill can use it easily because its marking pen type cartridge contains the plating solution.
2. **PERFECT FINISH:** There is no difference at all in plating quality between the conventional electroplating methods and the NEWNINAL equipment.
3. **PLATING AREA AVAILABLE:** All pens contain 10 ml. of solution which can plate 60 cm x 60 cm.

OPERATING INSTRUCTIONS

USING THE NEWNINAL PLATING PEN SYSTEM

1. Clean the area thoroughly by wiping with a cloth. Heavily soiled or rusted areas should be cleaned with an abrasive before proceeding. For best results items to be plated should be first cleaned with metal polish.
2. Plug the plating unit into a standard 120 V (220 V converted) outlet, connect the red cord to the red (+) terminal the black cord to the black (-) terminal. Turn on the power switch. The pilot lamp will illuminate.
3. **DEGREASING PROCESS**
In all plating, including our NEWNINAL system, it is essential to remove grease and oil from the surface of the object to be plated.

TO DEGREASE

- Plug the end of the degreasing pen into the socket at the end of the red (+) connecting cord and uncap the pen.
- Clip the object at the end of the black (-) cord and hold it in a level position.
- Degreasing pen has a green colored strip. Turn pen selector switch to the green position to get the correct voltage.
- Rub degreasing pen lightly over the surface of the object, small bubbles will form that will remove oil and grease. Check if degreasing is complete by rinsing the object in water. If the surface does not repel water degreasing is completed. (about 10 seconds are enough for an object the size of a coin).
Rinse the surface well in water. Please do not dry or wipe the object to be plated after rinsing as wiping the surface will result in poorer plating.

4. METAL PLATING USING THE CODING SYSTEM

The NEWNINAL pen has a color coding system which correctly matches the desired plating pen with the corresponding voltage to be used. For example, when plating gold objects the gold plating pen has a blue colored strip along its base. This blue strip indicates the correct voltage that should be used. Simply adjust the corresponding position on the pen selector to insure that you are using the proper voltage.

5. RINSE AGAIN

Rinse the surface again after the metal plating and wipe with soft cloth.

- All NEWNINAL plating pens are designed to drip sufficient solution when holding the pens in a point-downward position. The solution will continue to drip when the pens are held with the point down. Operators should use the pens at an angle to control solution flow and prevent excessive drip.

CAUTION

1. Aluminum and Titanium cannot be plated.
2. Chromium cannot be plated over.
3. For stainless steel material, use the special degreasing pen, Degreaser for stainless steel, only.
4. Keep the pens in the upright position when not in use (tip up).
5. Keep out of reach of children.

JOIN THE PLATING REVOLUTION! WITH THE NEWNINAL[®] PEN PLATING SYSTEM

FEATURES

1. **SIMPLE:** The greatest feature of NEWNINAL is that any person without specialized technical skill can use it easily because its marking pen type cartridge contains the plating solution.
2. **PERFECT FINISH:** There is no difference at all in plating quality between the conventional electroplating methods and the NEWNINAL equipment.
3. **PLATING AREA AVAILABLE:** All pens contain 10 ml. of solution which can plate 60cm. x 60cm.

OPERATING INSTRUCTIONS

POLISH

Clean the area thoroughly by wiping with a cloth. Heavily soiled or rusted areas should be cleaned with an abrasive before proceeding. For best results items to be plated should be first cleaned with metal polish.



PREPARATION

Plug the plating unit into a standard 110V (220V converted) outlet, connect the red cord to the red (+) terminal the black cord to the black (-) terminal. Turn on the power switch. The pilot lamp will illuminate.



DEGREASE

In all plating, including our NEWNINAL system, it is essential to remove grease and oil from the surface of the object to be plated.

Plug the end of the degreasing pen into the socket at the end of the red (+) connecting cord and uncap the pen.

Clip the object at the end of the black (-) cord and hold it in a level position.

Degreasing pen has a green colored strip. Turn pen selector switch to the green position to get the correct voltage.

Rub degreasing pen lightly over the surface of the object, small bubbles will form that will remove oil and grease. Check if degreasing is complete by rinsing the object in water. If the surface does not repel water degreasing is completed, (about 10 seconds are enough for an object the size of a coin).



RINSE WITH WATER

Rinse the surface well in water. Please do not dry or wipe the object to be plated after rinsing as wiping the surface will result in poorer plating.



PLATING

The NEWNINAL pen has a color coding system which correctly matches the desired plating pen with the corresponding voltage to be used. For example, when plating gold object the gold plating pen has a blue colored strip along its base. This blue strip indicates the correct voltage that should be used. Simply adjust the corresponding position on the pen selector to insure that you are using the proper voltage.

Procedure for metal plating is the same as degreasing. Plug the pen into the socket of the red (+) cord and clip the object with the black (-) cord. Put the tip of the pen to the object's surface and rub lightly back and forth*. Plating will start on the surface. 15-20 seconds is enough to plate an object the size of a coin.



RINSE AGAIN

Rinse the surface again after the metal plating and wipe with soft cloth.

All NEWNINAL plating pen are designed to drip sufficient solution when holding the pen in a point-downward position. The solution will continue to drip when the pens are held with the point down. Operators should use the pens at an angle to control solution flow and prevent excessive drip.

OPTIONAL PLATING PENS

NEWNINAL [®]	Degreaser
NEWNINAL [®]	Copper
NEWNINAL [®]	Nickel
NEWNINAL [®]	Chrom-Colour
NEWNINAL [®]	Black-Nickel
NEWNINAL [®]	Gold 24K
NEWNINAL [®]	Gold 18K
NEWNINAL [®]	Gold 14K
NEWNINAL [®]	Pink Gold
NEWNINAL [®]	Gold 24K (R)
NEWNINAL [®]	Gold18K(R)
NEWNINAL [®]	Silver
NEWNINAL [®]	Silver (R)
NEWNINAL [®]	Rhodium
NEWNINAL [®]	Degreaser for Stainless Steel.

* (R) Represents Heavy Duty

All pens contain 10ml. of solution which is equal to approximately .5 liquid ounces.

CAUTION

1. Aluminium and Titanium cannot be plated.
2. Chromium cannot be plated over.
3. For stainless steel material, use the special degreasing pen, Degreaser for stainless steel, only.
4. Keep the pens in the upright position when not in use (tip up).
5. Keep out of reach of children.

