

# INSTRUCTIONS

# RMGO! Rhodium & Gold Plating Kit

SKU: 2100018



## Components included with set (all solutions sold separately)

- (1) RMGO! Rectifier
- (3) 600ml Beaker/Cover (2102751/2102906)
- (3) 1000ml Beaker/Cover (2102801/2102910)
- (3) Red Lead Wires (2100020)
- (1) Black Lead Wire / Clip (2100021)
- (1) 4 Hook Jig Holder (2102554)
- (1) MOX Anode (2102512)
- (2) SS Anode (2102702)
- (100g) Electrocleaning Powder (2103304, 1 Kilogram)

## Available Solutions (sold separately)

- White Rhodium (2100904, 2100906)
- Black Rhodium (2100909)
- Cold Red Gold Plating Solution (2100910)
- Cold 24K Gold Plating Solution (2100911)
- Cold 18K Gold Plating Solution (2100912)
- Cold 14K Gold Plating Solution (2100913)

## Safety Instructions

- Improper use, or use for other purposes than those described in the instructions, is not permissible.
- Damages that result from improper and inappropriate use are not included in our warranty and no liability is assumed.
- Please follow the usual instructions when dealing with chemicals and pay attention to the safety data sheets.
- Place the RMGO! rectifier on a level, firm, non-flammable surface.
- Keep away from children, uninformed personnel or animals.

# RMGO! Rhodium & Gold Plating Kit Instructions

## Installation for Rhodium Plating

- Place the RMGO! rectifier on solid surface.
- Place an expanded mixed oxide (MOX) anode into one 1000ml glass beaker.
- Place an expanded SS anode into one 1000ml glass beaker.
- Plug in the red cables into the red connectors.
- Plug in the black cable into the black connector.
- Connect the stainless steel anode (electrolytic degreasing) with the flat connection of the red cable—plugged into “DEG”.
- Connect the mixed oxide (MOX) anode (rhodium plating) with the flat connection of the red cable—plugged in “RHO”.
- Fill the prepared electrolytes (electrolytic degreasing powder - 2103304) and Rhodium (2100904, 2100906, 2100909-Sold Separately) into the 1000ml glass beakers.
- Fill two 600 ml glass beakers with distilled water (not included) for rinsing process.
- Clamp the black cable on the jig and hang your pieces.

## Installation for Gold Plating

- Place the RMGO! rectifier on solid surface.
- Place an expanded SS anode into one 1000ml glass beaker.
- Plug in the red cables into the red connectors
- Plug in the black cable into the black connector
- Connect the stainless steel anode (electrolytic degreasing) with the flat connection of the red cable—plugged into “DEG”.
- Connect the other SS anode with the flat connection of the red cable—plugged into “RHO”.
- Fill the prepared electrolytes (electrolytic degreasing powder - 2103304) into the 1000ml glass beaker .
- Fill two 600 ml glass beakers with distilled water (not included) for rinsing process.
- Clamp the black cable on the jig and hang your pieces.
- Connect a stainless steel anode (gold plating) with the flat connection of the red cable which is plugged into “RHO”.
- Fill the gold electrolyte (2100910, 2100911, 2100912, 2100913 – Sold Separately) into a 1000ml glass beaker.

## Process Flow

1. Push time button (15sec/30 sec/ or push both to get 60 sec).
2. Push the “GO!” button.
3. Dip in electrolytic degreasing (2103304).
4. Rinse well in distilled water.
5. **For Rhodium:** push time button (15 sec/30 sec/ or push both to get 60 sec).  
**For Gold:** push the 15 sec time button.
6. Push the “GO!” button.
7. **For Rhodium:** dip in rhodium electrolyte (2100904, 2100906, 2100909-sold separately). Time depends on the required layer thickness.  
**For Gold:** dip in gold electrolyte (2100910, 2100911, 2100912, 2100913-sold separately).
8. Rinse well in distilled water.
9. Dry the piece.

## Please Note

- Rinsing water should be changed regularly (frequency depends on the usage).
- Rinse well, work clean and do not contaminate one chemical solution with another. Use a separate rinse for each solution. Extra beakers are available.
- Degreasing electrolyte should be changed regularly (frequency depends on the usage).
- Rhodium electrolyte should not be contaminated by parts made of steel, aluminum or with tin solder or lead.
- If rhodium electrolyte is exhausted, it must be replaced.
- Evaporation losses of the electrolytes must be compensated with distilled water.

## Technical Data

Case: Steel case, acid-resistant coated

Rectifier: Electrolytic degreasing 6V/6A — rhodium/gold plating 3V/3A, Nominal voltage: 110V or 230V, 60Hz