

NEWS LETTER

 ALFA MIRAGE Co., Ltd.

PROMEX *plating machine*



Item Code	502-006	502-007
Model	Standard Set	Control Unit
Style	Pen type plating machine	
Weight / Dimensions	300 g / 140 x 160 x 75 mm	
Accessories	Control unit, AC Adaptor, Connecting cable, Polishing paste	
Pens	Degreaser, 18K Gold, Silver	-

Made in Japan

PROMEX plating machine enables you to plate easily & quickly!



Before



After

Silver ring plated with 24K Gold plating pen

FEATURE 01 EASY TO USE

The plating solution is packed in the pen, so there is no need to control the specific gravity or temperature of the solutions. Ready to use! Plating can be done easily in a few minutes!



※PROMEX PLATING PEN: It contains 10 ml of solutions inside the pen.

The pens are color-coded by voltage. Simply select the voltage that matches the color of the pen.



All you need is a PROMEX machine, plating pens, water, and a power outlet!
Simple to use with no special skill required.

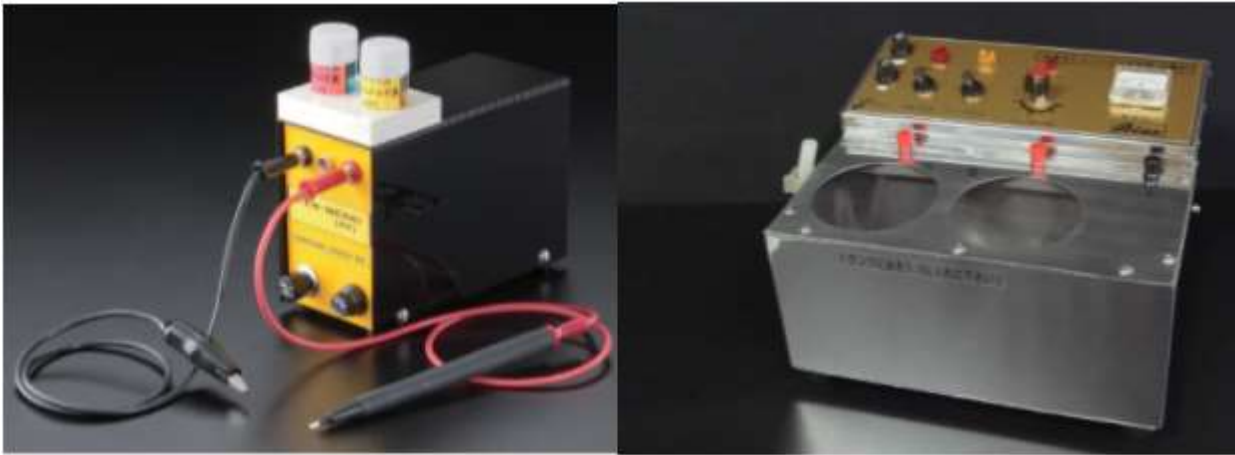


FEATURE 02 EASY TO MANAGE

PROMEX uses pen-type cartridges and disposable.

No need for complicated management such as preparing the plating bath or the plating solutions.

Conventional plating machine



Conventional method

Difficult to control the plating solutions. Strict humidity and temperature control are required.

The finish of plating depends on subtle changes in the daily humidity and temperature of the plating solution. Glasses and gloves are required in case the liquid splashes. Contamination occurs when impurities are mixed in.

Advantage of PROMEX against Conventional methods

No need to manage the plating solutions.

The pen-type plating pen is disposable, so no impurities can be mixed in.

Non-polluting, non-toxic plating solutions are used. Just dispose of the empty pen after use.

FEATURE.03 WIDE VARIETY OF PLATING PENS

Totally, **26 kinds** of pens are available!



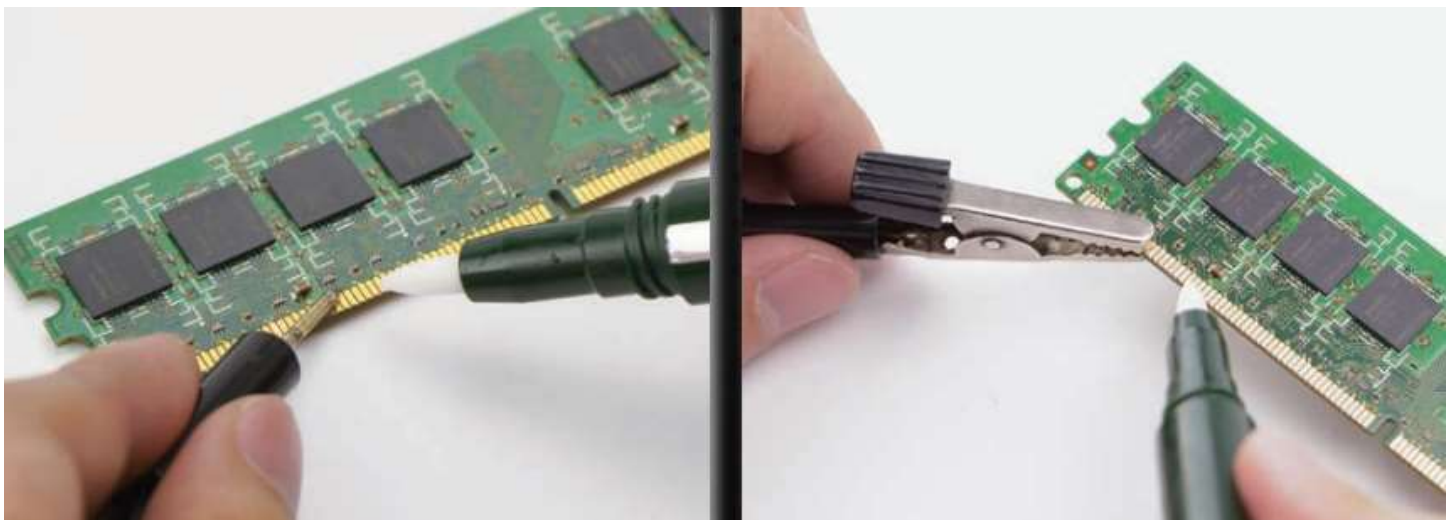
A variety of pens are available to meet a wide range of needs!

TYPE	ITEM CODE	DESCRIPTION
DEGREASER	502-008	PROMEX DEGREASER PEN
	502-009	PROMEX S-STEEL DEGREASER PEN
GOLD	502-017	PROMEX 24K GOLD PEN
	502-018	PROMEX 20K GOLD PEN
	502-019	PROMEX 18K GOLD PEN
	502-020	PROMEX 14K GOLD PEN
	502-036	PROMEX 12K GOLD PEN
	502-021	PROMEX PINK GOLD PEN
	502-022	PROMEX RED GOLD PEN
	502-023	PROMEX LUNA PINK (NO.1) GOLD PEN
	502-024	PROMEX LUNA PINK (NO.2) GOLD PEN
	502-025	PROMEX LUNA PINK (NO.3) GOLD PEN
RAPID	502-030	PROMEX 24K GOLD (RAPID) PEN
	502-029	PROMEX 18K GOLD (RAPID) PEN
	502-028	PROMEX SILVER (RAPID) PEN
	502-049	PROMEX COPPER(RAPID) PEN
	502-050	PROMEX NICKEL(RAPID) PEN
OTHERS	502-011	PROMEX COPPER PEN
	502-012	PROMEX NICKEL PEN
	502-014	PROMEX CHROME-COLOR PEN
	502-013	PROMEX BLACK-NICKEL PEN
	502-027	PROMEX RHODIUM PLATING PEN
	502-010	PROMEX SILVER PEN
	502-016	PROMEX ZINC PEN
	502-015	PROMEX TIN PLATING PEN
502-026	PROMEX PALLADIUM PEN	

FEATURE.04 MANY APPLICATIONS

Many applications include Jewelry, frames, watches, ornaments, accessories, and IC Board for repairing purposes.

Ex: The rework and re-plating of damaged gold contact areas and fingers on PCB.



Procedures

Step 1: Polish the objects well with the included polishing paste & soft cloth.

Step 2: Plug the cord into the electrode plug and turn on the power.

Step 3: Degrease the plated surface with a degreasing pen.

Step 4: Wash the degreased surface with water.

Step 5: Apply the desired plating pen and apply the plating with the tip of the pen.

Step 6: Wash the plated surface with water to finish.

TIPS:

Polishing properly before plating is very important to get a high shine luster and good finish! Remove the rust, grease, stain, and oxide layer completely with a soft cloth. Please apply a little bit of polishing paste.



Please check the below link for the details on how to use PROMEX!

<https://www.youtube.com/watch?v=HA9JiW16Vf4>



Pen Plating PROMEX

Promex Plating Machine enable you to plate safely & quickly with disposable pens. Each pen contains 10ml of solutions and can plate approximately 60x60cm plate. Pens: Degreaser, Copper, Nickel, Chrome-color, Black-Nickel, 24K gold, 20K gold, 18K gold, 14K gold, 12K gold, Pink gold, Rhodium, 24K gold (Rapid), 18K ...

www.youtube.com



Q: What is Plating & What for?

A: Plating is the process of covering the surface of a substance with a thin film of metal. Plating adds color, resistance to discoloration, rust resistance, strength, and makes the substance more usable.

In the case of jewelry, the items to be plated are often metals and are mainly used for decoration and a better appearance.

Q: How much area can be plated with one pen?

A: Each pen contains 10 ml of solutions and can plate approximately 60 x 60 cm.

However, there is a difference in the amount used between beginners and experienced users.

Q: How long does the gold plating last?

A: Gold plate lasts a very long time if you display or keep it on the shelf. If you put on or use it, the gold plate could be worn out. It depends on the condition, so it's difficult to say.

Q: What are rapid plating pens?

A: For thick plating, RAPID contains metallic substances 2~3 times compared to normal pens. This is recommended if you need thickness quickly.

Q: How to store? How long is the shelf life?

A: Please store the power supply unit and pens in a well-ventilated, cool, dark place.

Do not leave the product in direct sunlight, near a heater, or in a place with poor ventilation and a lot of moisture or dust.

We suggest that pens be stored on a shelf (no direct sunlight), with room temperature (not too hot, not too cold). And shelf life is in 1 year with the unopened condition.

Q: What is the limit for thick plating?

A: Approximately 0.3 microns can be plated at a time. The maximum thickness that can be applied is 1.5 microns.



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