



HINGLAJ
ELECTROPLATING PVT LTD

CHEMICALS & EQUIPMENTS

PRECIOUS
METALS
ELECTRO
PLATING



COMPANY OVERVIEW:

HINGLAJ ELECTROPLATING is a pioneering Indian chemical company exclusively dedicated to the specialization of electroplating solutions. Our mission is to design, develop, and produce a comprehensive range of innovative and reliable electroplating products and machinery that cater to diverse sectors including goldsmithing, fashion, medical, and applied engineering.

With a commitment to excellence, HINGLAJ stands out as the sole Indian company in this niche, striving to enhance the quality and effectiveness of electroplating processes across various applications.

QUALITY ASSURANCE:

At HINGLAJ, we prioritize quality at every stage of our production process. Our formulations' effectiveness and reliability are guaranteed through the following practices:

In-house Production: All our solutions are produced internally, allowing for stringent quality control and consistency.

Process Monitoring: Each phase of our production process is meticulously checked and controlled to maintain our high standards.

Premium Raw Materials: We utilize metal sponges, sheets, and ingots of the highest purity, ensuring that our products meet the highest industry standards.

Custom Solutions: We offer full process customization to meet the unique needs of our clients, ensuring the best possible results for their specific applications.



VISION & MISSION:

HINGLAJ ELECTROPLATING aims to lead the electroplating industry by fostering innovation and delivering superior quality products. Our mission is to empower our clients with exceptional electroplating solutions that enhance their operational capabilities and product offerings.

COMMITMENT TO SUSTAINABILITY:

As a forward-thinking organization, HINGLAJ is also dedicated to sustainable practices in our production processes, ensuring that we contribute positively to the environment while delivering outstanding products.

CONCLUSION:

HINGLAJ ELECTROPLATING is dedicated to setting new benchmarks in the electroplating industry through innovation, quality, and customer-centric solutions. By partnering with us, clients gain access to a wealth of expertise and a commitment to excellence that propels their business forward. Join us in shaping the future of electroplating with superior products and exceptional service.

CORE OFFERINGS:

Electroplating Solutions: A wide range of high-performance formulations specifically engineered for various industries, ensuring optimal output and premium quality finishes.

Electroplating Machinery: State-of-the-art equipment designed to enhance efficiency and precision in electroplating processes.

GOLD FLASH

The "Flash" gold electrolytes are crafted for bath plating, providing a consistent, glossy layer in multiple colours. Perfect for decorative purposes, they allow for a deposit thickness of up to 0.2 microns.

- 01 Flash Gold (0.68 g)**
Prepared for bath 1L/(0.68g/L)t
- 02 Hard Gold (1g)**
Prepared for bath 1L/(1g/L)
- 03 Hard Gold Dc (1g)**
Prepared for bath 1L/(1g/L)
- 04 Hard Gold 3d (1g)**
Prepared for bath 1L/(1g/L)
- 05 3n Flash Gold (0.68g)**
Prepared for bath 1L/(0.68 g/L)
- 06 3n Hard Gold (1g)**
Prepared for bath 1L/(1g/L)
- 07 Stainless steel Gold flash bath (1g/L)**
(Gold Plating on stainless steel)



ROSE GOLD

- 01 Rose Gold (1g/L)**
- 02 Brown Gold (1g/L)**

PEN SOLUTIONS

- 01 Pen Gold Solutions For Silver Jewellery (2G/100 ml)**
- 02 Pen Touch Up Solution (1g/100 ml)**



MICRO PLATING

Gold micron plating solutions, or hard-gold electrolytes, include metals like iron and nickel to achieve up to 3 microns thickness. They offer precise color control, matching NIHS color standards. (1N-14, 2N-18, etc)

- 01 HARD GOLD 18 KT Gold**
Micron Bath Plating (5 g/l)
- 02 HARD GOLD 14 KT Gold**
Micron Bath Plating (5 g/l)
- 03 ROSE GOLD 18 KT Gold**
Micron Bath Plating (5 g/l)

RHODIUM BATH PLATING SOLUTIONS

White rhodium's whiteness varies with its L coordinate value; a higher L means a whiter appearance. Production size, demands, and substrate types affect this value. We offer four fine-tuned process types to meet different needs.

- 01 **RB 102 Rhodium Bath Plating Solution**
(RHODIUM SULPHATE SOLUTION) 2g/100 ml
- 02 **RB 101 Rhodium Bath Plating Solution**
(RHODIUM SULPHATE SOLUTION) 2g/100 ml
- 03 **Rb 104 Rhodium Bath Plating Solution**
(RHODIUM PHOSPHATE SOLUTION)
2g/100 ml
- 04 **Rb 555 Blue Rhodium Bath Plating Solution**
2g/100 ml
- 05 **Rb 556 Black Rhodium Bath Plating Solution**
- 06 **RB 102 REPLENISHER**
RH 2g/100 ml
- 07 **RB 102 REPLENISHER**
RH 5g/100 ml
- 08 **RB 102 REPLENISHER**
RH 20g/1L



PEN SOLUTIONS

- 01 **PP 102 RHODIUM PEN SOLUTION**
2 g/100 ml
- 02 **PP 101 RHODIUM PEN SOLUTION**
1 g/100 ml
- 03 **PP 556 Black Pen Solution**
2 g /100 ml



PLATINUM

PT4 is a platinum plating solution for bath plating, depositing a bright grey layer of 99.97% pure platinum. Its flexible chemistry supports metal concentrations from 2 to 20 grams per liter, enabling a maximum deposit thickness of 20 microns. Ideal for both decorative and technical electroplating applications.

- 01 PLATINUM SOLUTION
2g/100 ML BATH PLATING SOLUTION
- 02 PLATINUM (+) SOLUTION
2g/100 ML
- 03 EXTRA BRIGHT PLATINUM BATH PLATING
SOLUTION NEXT TO RHODIUM
- 04 PLATINUM SOLUTION REPLENISHER
2 g/100 ml
- 05 PLATINUM (+) SOLUTION REPLENISHER
2 g/100 ml
- 06 PLATINUM(+) SOLUTION REPLENISHER
20 g/1Lt



PALLADIUM FLASH

Palladium flash plating solutions, used internationally in jewelry, provide pure metal layers with a maximum thickness of 0.5 micron. Flash palladium is used as a nickel substitute, enhancing adhesion and preventing copper migration on challenging substrates.

- 01
 - Standard Palladium Plating Bath
 - Great Nickel Alternative
 - Prevents Copper Migration



HM MULTI BEAKER SEMI-AUTOMATIC MACHINE

HM Multi Beaker Semi-Automatic Machine comes with 3, 4 and 5 beaker setup. The machine capacity can be customised according to customer needs. The setup shown in the picture is a 4 beaker programmable electroplating unit setup with 4 litre beaker capacity each. Customisation can be made based on customer requirement.



HM INDUSTRIAL PLATING MACHINE

HM Industrial Plating Machine comes with a customizable setup. The machine capacity can be customized according to customer needs. The setup shown in the picture is a multi beaker programmable electroplating unit setup with multi capacity beakers.



HM TUFF COAT

HM Tuff Coat is used to coat HM Teflon Coating, an anti tarnish coating applied on the jewellery without compromising on the color and brightness. A thin invisible layer is formed over the jewellery using a simple immersion technique to protect it from discolouring, oxidation and mechanical stress. It is also chemically resistant and dirt and water resistant. Its application is mostly in the jewellery industry to increase the life span of the plating.



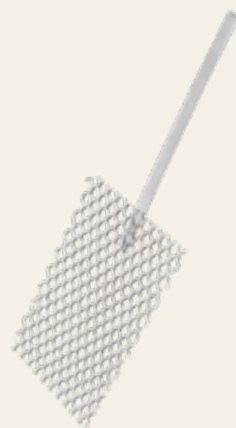
EQUIPMENTS



01 Jigs



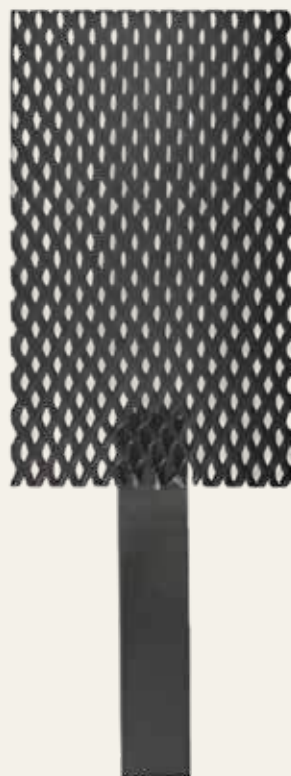
02 Heater



03 Platinised Titanium Anodes



04 Nips



05 Rhodium Pens

06 MMO (Mixed Metal Oxide Anode)

ACCESSORIES



HINGLAJ ELECTROPLATING
PRIVATE LIMITED

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