

JEWELLERY INDUSTRY



Electroplating jewellery, is the process of applying a thin layer of metal on another material, usually a less expensive type of metal. This technique, is commonly used with costume jewellery and can also be used to produce a number of artistic effects. Although the primary function of the gold is decorative, it also adds other features, such as tarnish resistance and durability. There are formulas, for achieving plated colours, that match the traditional colour values of various gold karats.

Nickel, is a highly durable metal, that holds it's colour well and has a reasonable price tag; understandably why it is one of the most popular materials of choice for jewellery manufacturers. Unfortunately, some people are sensitive to it. Some women experienced itching, flaking, swelling, soreness or inflammation, while wearing plated jewellery. In the manufacturing of 'nickel free', traditional nickel plating is not used. The best choice to replace the nickel plating and at the same time, maintain the effect of 'barrier layer' is the adoption of either bronze or palladium plating.



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As leader in the metal finishing in India, Grauer & Weil (I) Ltd. has introduced several cutting edge processes to offer complete platter to the user's to fulfill their requirements. The choices are as below:

Categories	Process	Unique Features
Specialized pre-treatment process	Groclean MSL	Neutral cleaner, specially designed for non-ferrous component
	Steelex K 20	Cleaner, that works on all surfaces
	Ginbond Z 72	Excellent soak cleaner for non-ferrous components
	Ginbond 814	Specialized electrocleaner
	Ginbond 814 SPL	Multi-purpose cleaner-suitable for automatic Installations
Copper Plating	Rochelle Copper	High efficiency cyanide based process
	Cuprobrite NC	Non-cyanide plating process for using as base coat on variety of substrates
	Pyroglo Copper	Bright pyrophosphate based copper plating process with excellent coverage
	Cuprobrite 3006 / Cuprobrac	Acid copper plating with superb brightness and levelling even at low current density shadowed areas. Specially designed to avoid piece to piece variation
Nickel Plating	Superglo Brightener 33 / 93G	Brightener system with exceptionally high throwing power with excellent over addition tolerance
	Superspec Brightener 907	Bright nickel process designed to produce whitish finish
	Growel Antique Nickel	Stable 'pewter' finish
	Tinilloy	Pewter finish with darker tone
	Groblack Nickel	Black nickel plating process
	Pearsheen Nickel 1249 / 1449	Glossy crystalline eye-catching satin nickel deposit
Brass Plating	Zinco Brass Salt	Highly stable brass plating process for consistent operation
Bronze Plating	Grobronze WT	White bronze plating - acts as 'barrier layer' replacing the requirement nickel deposit - nickel free jewellery. Ideal undercoat for silver plated article
	Grobronze YL	Yellow bronze plating - ideal undercoat for gold plated article
Palladium Plating	Palladium 100	White decorative coating on copper undercoat - ideal for nickel free jewellery
Silver Plating	Argobrite / Silvabright	Glossy bright finish - suitable for silver on silver
Anti Tarnish for Silver	Argocoat 13 / Silver Guard	Organic anti-tarnishing agent for silver plated components
Gold Plating	Grobond	Multitude of colour shades with consistency in operation
Electro-phoretic Lacquer	Growclear	Non-yellowing transparent coating multifold the durability along with style
Blackening Process	Gibonol C115	Provides specialized antique finishes for brass &/or copper plated components

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