



Finishes and Capabilities

Hundreds of manufacturers nationwide have come to rely on our expertise for both rack and barrel plating in a wide variety of finishes.

Our well-equipped quality lab features state-of-the-art x-ray fluorescence thickness testing and atomic absorption spectrophotometry for precise bath control.

Select a finishing option from the list below to learn more. If you need a finish that you don't see listed, let us know—we would like to provide it for you.

Gold Plating

Our gold plating capability meets the requirements of ASTM B 488. Most of our gold plating is hard acid gold for good wear and brightness. The following colors are available:

- 14K gold
- 18K gold
- 24K gold
- Rose gold
- Green gold

Thickness of gold ranges from a few millionths of an inch to 3 microns (120 millionths of an inch). Thickness is verified by x-ray spectrometry.

Gold plating is available in SHINY, SATIN and MATTE finishes.

Vermeil

The Federal Trade Commission has defined "vermeil" as sterling silver plated with a minimum of 2 ½ microns of gold. We will make sure your items meet this requirement.

Vermeil is available in SHINY, SATIN and MATTE finishes.

Rhodium

Rhodium is a hard white metal in the platinum group. It is very resistant to corrosion and will not tarnish. It is also very reflective.

Rhodium plating is available in SHINY, SATIN and MATTE finishes.

Silver

Silver is the whitest of all metals and is plated on items for decorative purposes, solderability, corrosion protection, electrical contact, and lubrication. We can coat your silver-plated items with a thin, invisible film to reduce tarnish. Our silver plating capability meets the requirements of QQ-S-365 and ASTM B 700-97.

Silver plating is available in SHINY, SATIN and MATTE finishes.

Two-Tone Plating

We use both pen plating and masking to produce the beautiful effect of two contrasting metals such as gold and rhodium on your items.



Nickel

Nickel is a hard, white, abrasion-resistant metal. As an under-plate it provides corrosion protection and helps brighten the finish. Our nickel plating capability meets the requirements of QQ-N-290.

Copper

Copper is a red, soft and ductile metal. As an under-plate it provides corrosion protection and helps brighten the finish.

Anti-Tarnish Coatings

Sterling silver can be plated with rhodium to eliminate tarnish or fine silver plated and then coated with a invisible tarnish shield to greatly reduce the tarnish. It can also be lacquered.

Copper can be coated with a tarnish shield or lacquered.

Antique Finishes

We have a variety of ways to provide a dark or black coating in the recessed areas of your items. The finished appearance depends on the metal we are working with, the geometry of your item, and the desired result. (Note that not all finishes are practical on all items.)

Tin

Tin plating is a silvery-white finish that is solderable, ductile, and tarnish-resistant. Our tin plating capability meets the requirements of ASTM B 545.

Tin-Lead

This alloy plating provides a very solderable surface and corrosion protection. Our tin-lead plating capability meets the requirements of ASTM B 579.

Electroless Copper

This copper plating provides a conductive base for subsequent plating on select non-conductive materials.

Special Finishes

Some of our customers are using special techniques to create interesting finishes, such as bead blasting patterns into a shiny surface or using coarse sandpaper to achieve a nice texture. We will work with you to enhance your surface or create something new. Please call us to discuss your great idea.

Tumble Finishing

We can use rotary and vibratory finishing machines to provide a improved surface on your items.

Barrel Plating And Rack Plating

The two most common ways to handle items to be plated are to attach them individually on a rack or to load them in a barrel in mass. Racked items are less likely to be damaged in processing but the cost is higher than barrel-plating.