

Tripp Plating Finishes & Processes

An alphabetical listing of finishes/processes, the metals associated with them and the benefits provided

BRASS PLATING: All Metals - Decorative

Gives a muted yellow color, somewhat similar to gold. It is relatively resistant to tarnishing when lacquered. Normally preceded by bright nickel plate and post treated with a coat of clear lacquer or baked enamel.

BRIGHT DIPS: Copper - Bright Cosmetic Brass - Removes Oxides

Bright Dip is a chemical process that removes oxides and enhances the brightness of base metals while at the same time providing a shiny finish to the original base material color. The finish part brightness depends on the type of base material. Also will not leave any deposit on the surface of the part for future processing steps.

BLACK OXIDE PLATING: Steel

Coating formed by a chemical reaction with iron in the metal to form an integral protective surface.

CHROME PLATING: Steel - Decorative Chrome (Bright) Brass - Decorative Chrome (Satin) Copper, Aluminum, Zinc

Decorative chrome is normally applied over copper and nickel plate. Type I bright coating is put on either the base metal that is polished or as is. Type II satin coating is put on the base metal that is either blasted, grained or brushed. Hard chrome is plated directly on the base metal. Parts requiring heavy metal deposits should be over-plated and ground to the final finished dimension and/or nickel.

COPPER PLATING: Electrical (Conductive) Undercoat, Mask

Provides excellent electrical conductivity properties for applications such as electronics and telecommunications. Excellent undercoat for nickel and chromium decorative coatings. Used as a mask in surface hardening procedures.

DEBURRING: All Metals

Removes machine burrs from machined parts. Smooths objects.

IRIDITE PLATING: Aluminum (Good paint base) Magnesium (Corrosion protection)

We need some copy for Iridite Plating.

NICKEL PLATING: Wrought Brass (Anti-corrosion) Cast Brass (Electrical conductivity) Aluminum (Barrier) Copper (Paint masks) Zinc, Carbon, Stainless steel

Provides bright or dull corrosion protection for polished or unpolished for stainless steel, Carbon, Zinc, Copper, Cast Brass, Aluminum, Wrought Brass. Provides excellent corrosion resistant coating over cosmetic copper plate and as a undercoat for decorative chrome. Excellent electrical conductivity. Serves as a barrier layer.

PASSIVATION: Stainless Steel

Removes surface contaminants. Promotes the natural corrosion resistance of stainless steels by providing a thin, clear oxide film.

PICKLING: All Metals - Cleans metals

Pickling removes surface impurities such as stains, rust or scale.

POLISHING: All Metals - Smooths & shines metals

Polishing prepares the base material for decorative finishing.

TIN PLATING: All Metals - Bright

Provides bright cosmetic surface, excellent solderability, excellent electrical conductivity, good corrosion resistance.

ZINC PLATING: Various - Clear/Yellow/Seal

Provides excellent, attractive finish and good corrosion resistance, enhanced corrosion resistance with clear chromate and seal, enhanced corrosion resistance with yellow chromate and seal, attractive final finish, good paint base.

Feel free to call us for more detailed finishing specifications.



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