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Cyanide-Free Yellow Bronze

1. Introduction

Yellow bronze is an alkali copper tin cyanide-free plating system. The deposit consists of 85-90% copper and 10-15% Tin. Hardness is 250 – 350HV. It can be used as undercoat for Chromium or precious metal deposit.

2. Make Up Bath

The Cyanide-Free yellow bronze make up solution is ready-to-use.

3. Equipment Requirements:

- 1) Tank: PP, PE
- 2) Pump: use PP filter cartridge (porosity less than 5 micron) for continuous filtering. Filter cartridge shall be immersed in 10% Potassium Hydroxide for a few hours. Then, use running water to rinse thoroughly before use. The pump shall be able to filter the whole bath volume for two to three times per hour.
- 3) Agitation: use mechanical agitation together with pump filtration.
- 4) Temperature: 20-30⁰C
- 5) Anode: Stainless steel anode or Graphite