

The world's foremost development; already in mass production.

Non-cyanogen-type speculum copper-tin alloy plating liquid.

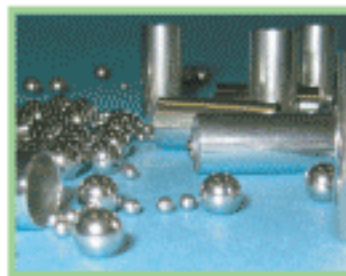
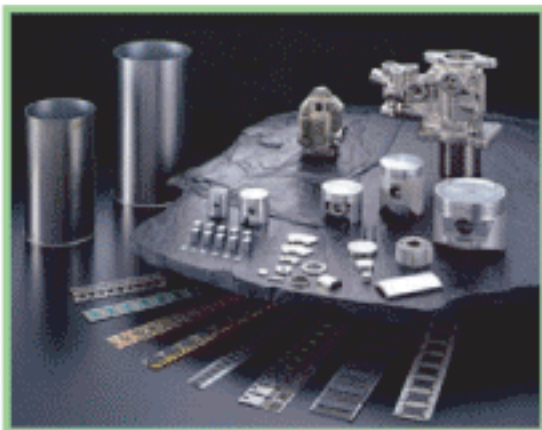
# SOFIALLOY

Pyrophosphoric acid bath

NC-100 series (brightener), NC-200 series (additive), NC-300 series (adjuvant)

Acquired international patents

**Countermeasures against nickel allergies and restrictions on cyanogens are expected to become stricter in the near future, both domestically and internationally. Our non-cyanogen-type speculum copper-tin alloy plating liquid, "SOFIALLOY," can be thought of as a match for these needs. It can be used in electronics, for decorative items, as well as for many other things. Please give it a try.**



Actual color tone differs from that in printing

■ From testing to mass production, we will meet everyone's needs with advanced processing techniques.

We maintain clean construction and factory facilities, and endeavor to be environmentally friendly. An example of this is the implementation of "non-cyanogen factories." We seek to forbid the possession and use of cyanogens as quickly as possible, and implement clean and safe factories.

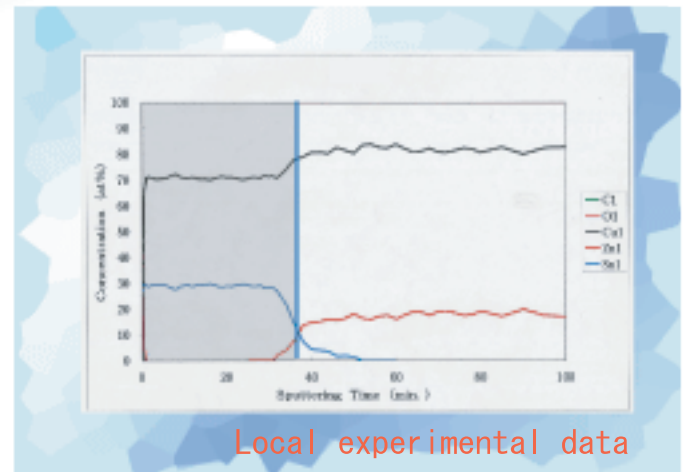


ISO 9001 certified and registered company

NIHON NEW CHROME CO.,LTD

## Plating membrane composition (Auger analysis results)

Results of auger depth analysis:  
Confirmed speculum construction with  
a **Cu:Sn ratio of 70:30at% (55:45wt%)**



## Plating characteristics and plated materials

- **Hardness (Vickers)** :Approximately 500Hv of hardness gained.
- **Corrosion resistance of membrane** :Corrosion resistance greater than that of nickel plating (SST: 96hours)
- **Colortone of membrane** :A whiter (silver-white) tone than nickel plating
- **Conductivity of membrane** :Similar conductivity to nickel plating
- **Soldering characteristics of membrane** :Similar to the soldering characteristics of nickel plating
- **Magnetism of membrane** :Non magnetic
- **Allergy characteristics** :Since it does not contain nickel, it does not affect those with nickel allergies

## Plating liquid characteristics

- A copper-tin alloy plating liquid that does not contain cyanogens (non-cyanogen).
- Applicable to iron, copper, nickel silver, brass, tin, zinc, and stainless steel.
- Can plate with either the barrel or catch jig system.
- Produced safely due to lack of cyanogens.
- Does not contain cyanogens, so processing to ensure water-safe cyanogens is not needed, and drainage is simple.

Distributor

Manufacturer



NIHON NEW CHROME CO.,LTD