



# 新榮科技公司

## SUN WING TECHNOLOGY COMPANY

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## WB500 Cyanide-Free, Lead-Free White Bronze Plating

**WB500 Cyanide-Free, Lead-Free White Bronze** is an acidic, cyanide and lead free bronze process for rack plating. The Bronze process produces bright, uniform white deposits ideal for thickness from 0.5 to 3.0  $\mu\text{m}$  thick. The deposited alloy consists of 40 – 45% tin and 55 – 60% copper. **WB500** can be used as an intermediate layer or final finish for replacement of Nickel.

### ADVANTAGES

- Cyanide and lead free
- Environmentally friendly
- Slight higher plating efficiency than alkaline cyanide process
- Room temperature conditions (25°C)

### DEPOSIT CHARACTERISTICS

Alloy composition	40 – 45 % Sn 55 – 60 % Cu
Hardness (Vickers)	400 – 500 mHV <sub>50</sub>
Specific gravity (for 1 $\mu\text{m}$ )	8,0 – 8,3 g/cm <sup>3</sup> (80 – 83 mg/dm <sup>2</sup> )