



ARGUNA® 3230 Cyanide-free Fine Silver Electrolyte

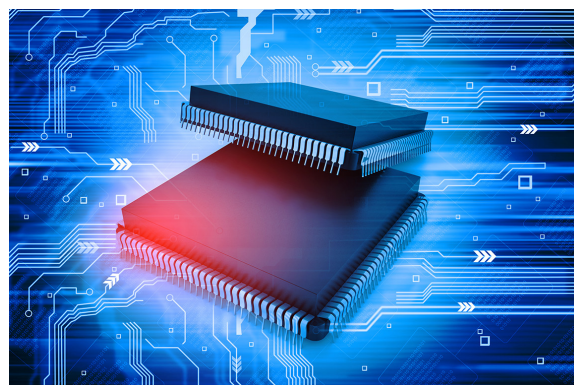
For deposition of fine silver layers

ARGUNA® 3230 is an alkaline, cyanide-free silver electrolyte for the deposition of technically functional silver layers. The layers are also suitable for decorative applications.

As the electrolyte does not contain any toxic cyanide compounds, it is therefore easier to use under the increasing environmental and safety requirements. Especially for the medical technology cyanide-free systems are often required.

The deposited layers are excellently suited for soldering and wire bonding applications as well as for electrical contacts e.g. in power electronics or high current technology.

ARGUNA® 3230 is ideal for rack and barrel applications. Copper materials can be coated directly, without pre-silver.



Electrolyte characteristics

Electrolyte type	alkaline, cyanide free
Metal content	20 (18 - 22) g/l
pH value	9.5 (9.2 - 9.8)
Operating temperature	50 (45 - 55) °C
Current density range	0.5 - 1.5 A/dm ²
Plating speed	1 µm in 1.5 min at 1.0 A/dm ²

Coating characteristics

Coating	Fine silver
Purity	>99 wt.% Ag

Colour of deposit	white
Hardness of deposit	90 - 100 HV in condition as deposited
Density of the coating	approx. 10.5 g/cm ³

Advantages

- Cyanide-free, significantly reduced exposure to hazardous substances
- Excellent soldering and bonding
- Excellent electrical properties
- Ideal for rack and barrel coating

Applications

- Electrical assembly and connection technology
- Power Electronics
- Medical Technology

Your contact person



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