

# Metal Deposition Solutions

# RHODUNA® 271 Rhodium electrolyte





With RHODUNA® 271, targeted, partial rhodium plating is possible with a pen plating unit. In this process, small surface elements of the article are rhodium-plated by means of direct current and by wiping contact with the tip of the pad. The process is mainly used to apply decorative patterns to jewelry, eyeglasses, etc.

Although decorative applications typically require layer thicknesses of 0.1 - 0.2  $\mu$ m, the process also provides bright, pure white layers up to approx. 1  $\mu$ m. RHODUNA® 271 is characterized by a particularly fast deposition rate and high deposition efficiency.



#### Advantages

- Abrasion-resistant, bright, brilliant coatings
- $\cdot~$  Up to 1  $\mu m$  crack-free
- High coverage speed
- High deposition efficiency

#### Applications

- Jewelry
- Watches
- Writing utensils
- Spectacle frames
- Fittings

## RHODUNA® 271 Rhodium electrolyte

## **TECHNICAL SPECIFICATIONS**

Electrolyte characteristics		
Electrolyte type	Strongly acidic	
Metal content	2 g/l	
pH value	< 1	
Operating temperature	RT (20 - 40) °C	
Voltage	3 - 30 volts	
Plating speed	up to 0.2 µm/min	

Coating characteristics		
Coating	Rhodium	
Purity	99.9 wt.% Rh	
Colour of deposit	White	
Brightness	Bright, brilliant	
Hardness of deposit HV 0.015 (Vickers) approx. values	approx. 800 HV	

### **YOUR CONTACT**

Do you have a specific question or would you like a no-obligation quote calculation? Our specialist will be happy to help you with any technical questions you might have.



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