

# Silver Plating

ERG provides silver electroplating process to meet the needs of customers.

## Silver Plating

Silver plating is widely applied in many areas for its good electrical and antibacterial properties. ERG's silver plating is used for many contact parts because of its high hardness, good wear resistance, and etc.. Some application examples include car connectors and relay contacts, and silver antibacterial properties may lead to more applications in medical and household articles.

## Features

ERG's silver plating is characterized by its high purity (99%), good contact resistance, which is almost the same with purity silver, and our silver has higher hardness(Hv75-95), compared with purity silver.

### ■ Barrel silver plating

Application Large mass production for small parts or unrackable parts.

Process Put the parts inside a barrel, and rotate barrel to cause parts to tumble while plating. This process has advantages like small variations in thickness, and mass production.

### ■ Rack silver plating

Application Suitable for parts which are tangling, nesting, or distorting while other plating methods.

Process Fixture individual parts into an array that is mounted on a frame so-called plating rack. Rack process may result in much higher handling cost, and sometimes produce rack mark.

Silver plating process and application examples

Plating process	Appearance	Plating method	App. examples
Bright silver	Bright	Barrel • Rack	Connector • Terminal
Semi-bright silver	Semi-bright	Barrel • Rack	Revet • Spring

### Product Examples

Revet



Connector



Spring



Terminal



Screw



## Responsible silver plating

■ Bright silver plating

■ Semi-bright silver plating

■ Add an underlayer before your silver plating? Please feel free to contact us!

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ERG plating



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