

**Advanced Surface Technologies, Inc.**

6155 West 54th Avenue, Arvada  
Colorado 80002

**Phone:** 303-432-8500 • **Fax:** 303-432-8555

**Email:** sales@astfinishing.com • **Web Address:**www.astfinishing.com

## Silver Plating

Silver plating services for parts or components made of virtually all metallic substrates, including steel, aluminum, and copper, are offered at our job shop. Silver plating services are performed with rack line and barrel line equipment in a separate area outfitted with an independent air system. This ensures the controlled environment required for the plating process.

With strict adherence to QQ-S-365 specifications, we ensure that your parts are silver-plated with finishes of your choice - matter, semi-bright, and fully bright. The purity of the silver that we plate ranges from 99.0% to as high as 99.9%. We also offer the option of an additional chromate treatment for your silver-plated parts, if required.

We can also provide other additional services, such as heat treatment, masking, and plugging for your plated parts. The electronics, medical, electrical, and aerospace industries utilize our silver plating services, especially for the highly conductive nature of silver plating we offer. In addition, silver, with its resistance to oxidization, makes it an ideal choice for applications where corrosion protection is crucial.

· [CAPABILITIES](#) · [QQ-S-365 SPECIFICATIONS](#) · [ASTM B 700 SPECIFICATIONS](#) · [ADDITIONAL INFORMATION](#)

### CAPABILITIES

Substrates	Aluminum Beryllium Brass Bronze Copper Magnesium Stainless Steel Steel Titanium Virtually Any Metal Zinc
Plating Capabilities	Barrel Plating Rack Plating
Additional Capabilities	Heat Treatment (Hardness and Hydrogen embrittlement) Masking Parts Stripping Parts-Cleaning Plugging
Underplating Options	Nickel
Standards Met	ASTM B 700 QQ-S-365
Finish	Bright Matte Semi-bright

### QQ-S-365 SPECIFICATIONS

Finish Type	Type-I Matte Finish Type-II Semi-Bright Finish Type-III Bright Finish
Post Treatment Grade	Grade A With supplementary tarnish-resistant treatment (chromate treatment) Grade B Without supplementary tarnish-resistant treatment

## ASTM B 700 SPECIFICATIONS

Purity	Type-1 99.9% Silver Minimum Type-2 99.0% Silver Minimum Type-3 98.0 % Silver Minimum
Hardness	Grade A Matte, no brighteners in plating bath Grade B Bright, by use of brighteners in plating bath Grade C Bright, by mechanical or chemical polishing of Grade-A Grade D Semibright, by use of brighteners in plating bath
Post Treatment Classes	Class N No chromate treatment Class S With supplementary tarnish-resistant chromate treatment

## ADDITIONAL INFORMATION

Applications	Bearing Surfaces Electric Bus Bars Electrical Contacts High-Tech Electronic Components
Industries Served	Aerospace Automotive Communications Computer Electronics Household Appliances Medical Equipment Oil & Gas Equipment Pharmaceutical Recreational Equipment Solar Tool & Die
Certifications	ISO 14001 Certified ISO 9001:2000 Certified
Quality System Features	Dedicated to company-wide continuous improvement In-house laboratory facilities
Environmental System Features	State-of-the-art, computer-controlled waste treatment system
Professional Associations and Awards	<ul style="list-style-type: none"> <li>• Charter member of the Strategic Goals Program, a cooperative effort between the metal finishing industry and EPA <ul style="list-style-type: none"> <li>• Recipient of the Colorado Environmental Leadership Award <ul style="list-style-type: none"> <li>• National Association of Metal Finishers (NAMF)</li> </ul> </li> </ul> </li> <li>• American Electroplaters and Surface Finishers Society (AESF)</li> </ul>
Service Features	A staff that understands the importance of quick response for our customers Production scheduling and production flexibility that minimize turnaround time