



Copper Plating

Automated Finishing Technology (AFT)

Copper plating provides good corrosion resistance when used as an undercoat for other plated coatings. Copper finishes range from matte to very shiny, and there are several copper plating processes available. Each process is designed for a specific purpose, ranging from decorative to heat treat stop-off.

Cyanide based bath chemistry produces a matte finish, which is favored for its diffusion blocking character. It is also essential for plating on aluminum, steel and zinc, as it adheres well and minimizes immersion deposits. Cyanide copper has excellent throwing power, which leads to less thickness variations.

AFT has extensive experience in plating threaded stainless steel parts for the petroleum industry to reduce galling of stainless valves and parts.



Centrally located in the Dallas/Forth Worth area, we provide service to our customers locally and throughout the United States.

Why AFT?

- High-Quality Plating
- Ability to Plate Large Pipes & Parts
- Shorter Lead Times
- Excellent Customer Service
- Competitive Prices
- Centrally Located



MIL-C-14550B

Can meet most private specifications



Customer service and quality are AFT's highest priorities. All processes are verified and guaranteed with certification sheets upon request.

Benefits of Copper

- Good diffusion barrier
- Excellent heat conductivity
- Important undercoat
- Outstanding electrical conductivity
- Adheres well to many substrates
- Easily polished
- Malleable

Common Uses of Copper

- Anti-galling on stainless steel threaded oil industry parts
- Underplating to enhance adhesion of deposits on other metals
- Improves electrical properties of products
- Impairs migration of alloying elements
- Improves overall corrosion resistance of products

AFT offers over 16 quality specified plating processes, including: silver, black oxide, zinc nickel, phosphate, tin, matte tin, and Xylan® Coatings.

Visit our website, www.AFT-Corp.com for a complete list of plating processes, or call us at **972-988-1999** to find out what AFT can do for you.

