

Williams Plating Company, Inc.

About Us

Founded in 1982 and based in Arden, North Carolina, Williams Plating Company, Inc. specializes in small-batch, critical precision metal finishing and chemical processing. We offer rack and barrel plating options, mechanical and chemical cleaning, and bead blasting. Each, quantity based, and minimum charge pricing available. Expedite services available on most orders.



Metal Finishes

Finish	Specifications	
Copper	MIL-C-14550	ASTM B734-97
Electroless Nickel	MIL-C-26074	ASTM B733-04
Sulfamate Nickel	QQ-N-290	ASTM B689-97
Gold (4 baths)	MIL-DTL-45204	ASTM B488-11
Silver	QQ-S-365	ASTM B700-08
Tin - RoHS Compliant - Matte/Dull or Bright	MIL-T-10727 Type 1	ASTM B545-13
Tin/Lead Solder Plate (90/10 bright; 60/40 matte)	MIL-P-81728	ASTM 579-73

Substrates Processed

Metalized ceramic	Silver alloys
Kovar	Tungsten and Tungsten alloys
Monel	Stainless steel
Copper alloys	Molybdenum
Nickel alloys	Platinum alloys
Aluminum	

Cleaning Processes

Mechanical Cleaning
Vibratory Finishing
Tumbling
Bead Blasting

Chemical Cleaning	
Chemical Deburr	Chemical Clean/Etch
Passivation	Derust and Preserve
Copper Bright Dip	Nitriting of Tungsten
Kovar Bright Dip	Electropolishing
Steel Bright Dip	Ultrasonic Cleaning

Quality Controls

- Williams Plating Company, Inc. utilizes two XRF machines to test thickness of plated deposits. Resolution measures in micro (μ) inches, with the added ability to identify composition of metal alloys including tin-lead solder plate and other alloy deposits.
- Our wet lab is equipped with Atomic Absorption Analysis for complete analytical control of all process solutions. This analysis provides us with superior process control to maximize the consistency and quality of our products.
- Quality control system is consistent with highest quality industry standards. All jobs are inspected in process and are sampled on an AQL basis at final inspection.
- A proactive approach to continual improvement is practiced at all levels of management and production.
- Special inspection and testing is implemented as required by print, contract, or other agreement.

Contact

www.williamsplating.com

6 Industrial Dr.
Arden, NC 28704
Phone: (828) 681-0301
Fax: (828) 681-0037

info@wilplate.com

