



Passivation

Automated Finishing Technology (AFT)

Passivation, or passivating, is the process to remove "free iron" contamination on stainless steel that is left behind from machining and fabrication. This is done by means of a chemical dissolution, most typically by an acid solution treatment that will remove the surface contamination, but will not significantly affect the stainless steel itself. If the contaminations are not removed, this could lead to premature corrosion and deterioration of the component. The passivation process also facilitates the formation of a thin, transparent oxide film that protects the stainless steel from selective oxidation (corrosion).



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



QQ-P-35C
ASTM A380-99
AMS STD-753

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.

Production Capacity

- High volume rack and barrel
- Nitric acid passivation
- Citric acid passivation



Benefits of Passivation

- Surface rust removal
- Removes surface iron from machining process
- Enhances protective passive file



Specifications

- QQ-P-35C
- ASTM A380
- AMS STD-753
- AFT will meet or exceed most private specifications and standards



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.