

Electroless Nickel Plating

Automated Finishing Technology (AFT)

Electroless Nickel is an autocatalytic plating process that results in a reflective layer of nickel phosphorus. "E-Nickel" is chemically deposited, therefore the coating is uniform in thickness, making post machining unnecessary when dimensions are accurate.

AFT runs a High Phosphorus Nickel System by **Enthone Chemical, ENfinity Plus**. To ensure optimal plating chemistry, an Automated Chemical Feed System, Steady State, is used to keep the nickel bath running **100% concentration at all times**. By using this system, each part is plated with compressive nickel deposit, producing a consistent plating rate, and shorter lead times, by reducing down-time due to chemistry issues.



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
- 3 Production Lines
- Shorter Lead Times
- Excellent Customer Service
- Competitive Prices
- Centrally Located



Halliburton - ESC 153 1-3
Halliburton - 70.83673
Flowserve Corp
Weir SPM

Able to meet most OEM and ASTM Specifications and Standards



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

Electroless Nickel Plating Capacity

3 Production Nickel Plating Lines:

- **Main Line** - Offers Two Plating Tanks
 - 1 - 4 ft wide x 4 ft deep x 8 ft length (800 gallons)
 - 1 - 3 ft wide x 4 ft deep x 8 ft length (440 gallons)
 - Able to run pipes, parts and tools up to 9.5 ft in length
 - Hoist can support 2.5 tons
- **Small Parts Production** - Two Plating Lines
 - 4 Plating Tanks (total 1000 gallons)

Supporting Equipment

- **Ovens** - 2 Large High-Temperature Ovens - up to 850°F
- **Blast** - Walk-in Blast Room (20 ft x 8 ft x 8 ft) for large items, Blast Cabinet for smaller items
- **Masking Department** - Experienced in extensive masking, ID pipe and complex shapes, where selective nickel is required

In-House Laboratory

- Thickness Measuring Capabilities
- X-Ray
- Eddy Current
- Magnetic

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.

