



FOR IMMEDIATE RELEASE

Texas Precision Plating Integrates Digital Chemistry Monitoring Across Operations

GARLAND, TX – Sept. 14, 2026 – Texas Precision Plating (TPP), a provider of high-reliability metal finishing services for aerospace prime contractors and defense original equipment manufacturers (OEMs), has officially integrated a digital chemistry monitoring platform into its Garland facility operations. Building on TPP's ISO 9001:2015 and AS9100 Rev D certified Quality Management System, the platform automates and tightens chemical bath parameters across continuous production tanks. This initiative establishes the empirical foundation required for defense primes and accelerates the company's active path toward formal Nadcap accreditation and ITAR registration.

In high-reliability metal finishing—including Gold, Silver, Sulfuric Anodizing, Electroless Nickel, and Passivation—coating integrity depends directly on maintaining precise chemical equilibrium within processing tanks. Historically, wet chemical analysis, titration records, and addition calculations relied on manual logs or disparate spreadsheets, introducing latent risks during high-volume production.

The newly deployed digital monitoring platform replaces manual tracking with a real-time, centralized chemical control platform engineered for complex metal finishing lines. Processing routine laboratory titration data, the system computes exact addition requirements, bath maintenance needs, and drag-out replenishment. This continuous feedback loop eliminates manual mathematical errors, holds bath chemistry within narrow operational limits, and alerts technicians before key parameters drift out of specification.

Minor variances in pH, metallic concentration, or brightener levels can manifest as thickness non-conformances, adhesion failures, or hydrogen embrittlement in defense hardware. The digital monitoring platform embeds verification into shop-floor workflows to

directly support Nadcap accreditation and ITAR alignment:

- **Automated Statistical Process Control (SPC):** Automatically plots analytical chemistry results over time, providing quality engineers with predictive control.
- **Digital Traceability & Audit Readiness:** Digitally logs every chemical addition, titration timestamp, and operator action in an unalterable audit trail required for Nadcap chemical processing audits.
- **Standardized Operational Controls:** System-driven operational limits enforce disciplined bath management across all shifts.

*"Our objective at Texas Precision Plating is to deliver verifiable quality control on every job that leaves our facility," said **Matt Amin, CEO of Texas Precision Plating**. "As we actively work toward Nadcap accreditation and ITAR registration, bringing digital chemical monitoring online gives our team visibility into our bath chemistry. It converts quality assurance from a post-process inspection into a continuous standard on the shop floor."*

The integration represents a core milestone under TPP's operational revitalization strategy focused on Infrastructure, Technology, and People. By pairing modern digital laboratory tools with shop-floor expertise, TPP enhances process repeatability, reduces turnaround lead times, and strengthens operational reliability.

*"Digital monitoring gives our lab technicians and line operators immediate visibility into tank health," said **Dwayne Elliott, General Manager**. "It eliminates calculation errors, reduces downtime for bath adjustments, and streamlines our reporting."*

The platform is fully operational at TPP's Garland processing facility. Aerospace prime contractors, defense OEMs, and quality engineering teams seeking technical specification reviews or part drawing consultations can connect directly with the team at texasprecision.net/quote/.

About Texas Precision Plating

Texas Precision Plating (TPP), located in Garland, Texas, is a provider of precision metal finishing solutions engineered for high-reliability aerospace, defense, and industrial applications. Holding ISO 9001:2015 and AS9100 Rev D certifications, TPP specializes in high-specification processes including Gold, Silver, Sulfuric Anodizing, Electroless Nickel, and Passivation. Through continuous investments in infrastructure, technology, and shop-floor talent, TPP delivers verified coating uniformity and dependable turnaround times for defense prime contractors and commercial aerospace manufacturers.

Website: <https://texasprecision.net>

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