



Houston Plating & Coatings

The One-Stop-Shop For Corrosion and Wear Protection Services

Electroless Nickel Plating • SBN-QPQ • Teflon® Coating • Polyurethane • Multi-Coat Epoxy Systems
Dry Film Lubricant • Phosphate and Oil • Xylan® Fluoropolymer • Molybdenum Disulfide

Houston Plating & Coatings (HP&C) has provided electroless nickel plating (EN), a wide array of spray coatings, salt bath nitriding (SBN-QPQ), phosphating, and other corrosion and wear protection services to petroleum equipment and other manufacturers since 1988.

HP&C has dramatically expanded its nickel plating, spray coating, SBN-QPQ, and phosphating capacities and capabilities to include:

- Largest EN tanks in the Southwest
- Tripled SBN-QPQ capacity
- Additional ovens including 10'x10'x20' Gehnrich double oven
- Multiple phosphate lines (zinc & manganese)
- 25, 13.8 & 5 ton overhead cranes
- 18 & 25 ton capacity forklifts
- 60,000 sq. ft. spray coating, phosphating, and SBN-QPQ facility in Humble, TX with dedicated epoxy coating facility
- Expanded QA and inspection departments
- NACE certified coating inspectors for NORSOK coating systems
- Dedicated process supervisors insuring full compliance with specifications and certifications



With the addition of SBN-QPQ and additional coating and phosphate services, HP&C has become one of the few plating and coating specialty firms in the nation that offers a full range of corrosion and wear protection services which produces significant operating efficiencies for its customers. HP&C provides "One Stop Shopping" for the majority of its customers' corrosion and wear protection needs.

Additionally, HP&C partners with its customers to develop supply chain based solutions for finishing requirements which could include satellite operations at OEM facilities, scheduled pick-up and delivery, coordinated trucking, as well as streamlined procedures for tracking parts and processing purchase orders, invoices and other administrative tasks.

"Our customers know and trust our commitment to get their job done right the first time, on schedule and on budget. Our recent expansion of facilities, services, and capabilities evidences our commitment to continuous improvement."

Bill Howard, CEO and President

For additional information on our Electroless Nickel, SBN-QPQ, Phosphate or other coatings services, please contact your Houston Plating & Coatings sales representative at 713.946.8920.

ELECTROLESS NICKEL

Electroless Nickel plating is a chemically applied, uniformly deposited, thin plating that provides superior corrosion protection and friction resistance. EN plating significantly increases the life of carbon and stainless steel parts.

The EN thickness varies according to the environment in which the part will be used, but typically ranges from 1-3 thousandths of an inch. The hardness of an EN plated part can be enhanced through additional heat treating, thus providing a more cost and time efficient process to chrome plating.

The combination of trained and experienced staff, new equipment, and the largest tank capacity in the Southwest, allows HP&C to produce the highest quality and fastest turnaround EN plating services to a broad range of industries.

EN services are offered at HP&C's South Houston plant. With a tank capacity of over 8,000 gallons, HP&C has the ability to handle the largest nickel plating jobs efficiently while fully complying to the ASTM B733 Type V and ISO 4527 industry standards.



SPRAY COATINGS

HP&C offers a wide variety of spray coating applications, including: multi-coat epoxy systems, molybdenum disulfide, Xylan, and Teflon coatings, many of which require oven curing.

All parts are carefully inspected, thoroughly cleaned, and masked as necessary, before coating and curing. Each order undergoes multiple inspections to assure that it meets rigorous quality standards.

In addition to ISO Certification, HP&C is one of the few plating and coating companies in the Houston-area that employs a Level III NACE Certified Coating Inspector on staff as well as several other NACE certified inspectors. NACE certified inspectors are required for NORSOK epoxy coating applications.

HP&C offers an extensive range of coatings that match customer specifications and allows HP&C customers to have virtually all their coating needs provided at one location, saving time and reducing cost. Spray coating services are offered at both plants.





SBN-QPQSM

HP&C is the largest provider in the Southwest for the remarkable salt bath nitriding/quench-polish-quench finishing process. The SBN-QPQ process significantly hardens the outer layer of steel, which is particularly important to oilfield service companies whose parts are subject to high levels of friction.



SBN-QPQ is a molten salt bath diffusion process that adds no measurable dimensions to the part while hardening its surface (up to three times the strength of steel). SBN-QPQ produces superior wear resistance, improved fatigue strength, and surface lubricity. Parts to be treated with the SBN-QPQ process must be heat-treated and tempered at least 1,075 degrees before processing.

The SBN-QPQ process also provides corrosion protection of cast iron and carbon steel components, is fully AMS 2753C compliant, and is a more cost effective and environmentally acceptable alternative to chrome plating. The SBN-QPQ process produces a cosmetically appealing black finish and is available at both locations.

PHOSPHATE

A phosphate coating is typically used as a pretreatment (primer) prior to applying a spray coating finish, which increases overall corrosion protection, lubricity (the friction properties of sliding components) and adhesion of the top coat.

Phosphate coatings, along with a top-coat of oil are also widely utilized as an interim coating for inventoried and threaded parts to prevent rusting and/or galling.

HP&C offers two different types of phosphate coatings – Manganese and Zinc. Manganese phosphate is softer than zinc phosphate and provides superior corrosion and anti-galling properties. Zinc phosphate has a larger crystal structure than manganese, which provides for better adhesion of various high performance top-coats.

Manganese and zinc phosphate are offered at both its South Houston and Humble facilities and comply with the MIL-DTL-16232G industry standard.



FIREARMS

Houston Plating & Coatings is expert at applying specialized Electroless Nickel plating and SBN-QPQ to firearm parts. Adding these finishes to the firearm provides significant benefits, both aesthetic and functional. Functional benefits include improved reliability and simplified cleaning and maintenance. These finishes also significantly extend the service life of firearms and component parts.

Over the past 10 years HP&C has served both manufacturers and distributors of firearms with high volume plating and finishing services to produce firearms of great visual appeal and extended durability.

For more information, please contact your HP&C sales representative.



"Your performance not only allowed Cameron to meet a very tight delivery schedule for our customer, but to improve upon it. This riser order set a new delivery record for Cameron and resulted in a very satisfied customer."



HP&C is proud to have been named as "Supplier of the Year" for 2007-2008 by FMC Technologies, Fluid Control Division with a Quality Score of 100% and an On Time Delivery of 94% over the two year time period.



"...they work nights, and all weekend if we want, and are there for us for just about everything we throw their way."



"In the past 20 years working with Houston Plating, I have been most impressed with your customer service. When we call, there is always someone that is willing to go the extra mile. Thanks for your efforts."



"Houston Plating is very responsive to our needs – always meets our delivery requests – product is always coated properly."



"The customer support has especially been outstanding. The turnaround time and communication is key, when working under pressure, and this company has consistently delivered this on a regular basis, without sacrificing the quality of work."



Houston Plating & Coatings

Electroless Nickel Plating / Spray Coatings / SBN-QPQ
ISO 9001:2000 Certified

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Products Finishing magazine has named Houston Plating & Coatings as one of the best finishing shops in North America for both its plating and coating operations; one of only four firms in North America winning in both categories.



In 2014, HP&C was included on Inc. Magazine's 2015 Inc. 5000 list of America's fastest growing private companies over the previous four years.

Industries Served Include:
Aerospace • Automotive • Defense • Electronics
Firearms • Food Service Machinery • Marine
Medical Equipment • Oil Field Equipment
Petrochemical • Printing • Recreational Vehicles • Tool & Die