



Astro Pak Locations

Costa Mesa, CA (HQ)

Benicia, CA

Downey, CA

Indianapolis, IN

Piscataway, NJ

Milford, MA

Chesapeake, VA

Durham, NC

Bayamón, Puerto Rico

Querétaro, Mexico

Cork, Ireland

introduction

At Astro Pak, we understand it is critical for biopharmaceutical manufacturing facilities to achieve and **maintain residue and corrosion free high purity systems** in order to meet FDA and internal standards. Leveraging **over 50 years of chemical cleaning and stainless steel passivating experience**, we are able to deliver the most effective and technologically advanced processes in the industry. From pre-commissioning and emergency outages to maintenance projects and planned shutdowns, Astro Pak has a proven track record of **cleaning and passivating systems and components to precise cleanliness standards**. Let Astro Pak's experienced and professional team of chemists, project managers, and technicians EXCEED all of your high purity cleaning and passivation expectations.

astropakadvantage

- ✓ Legacy of Over 5 Decades of Chemical Cleaning Experience
- ✓ Comprehensive Documentation - cGMP Format Meets FDA Requirements
- ✓ Trained Personnel - You Can Trust Your Systems & Equipment with Us
- ✓ Rapid Response - Minimized Downtime
- ✓ Technical Advisors with Over 30 Years of Industry Experience - Superior Passivation Results
- ✓ On-Site and In-House Services - Flexibility to Meet Your Needs

servicesoffered

System Experience

- Water for Injection (WFI)
- Pure Steam
- Pure Steam Generators
- Reverse Osmosis
- De-Ionized Water
- High Purity Gas and Vacuum
- CIP and SIP Skids and Components
- Autoclaves and Lyophilizers
- Production Vessels and Tanks
- Fermenters and Bio-Reactors

Astro Pak Capabilities

- Pre-Operational Alkaline Cleaning
- Passivation of Stainless Steel
- Preventative Maintenance Cleaning and Passivation
- Derouging of Piping and Equipment Due to Corrosion
- Class 100 to Class 1000 Cleanrooms for Large and Small Component and Piping Cleaning
- Flushing of Pre-Operational Construction Debris
- Biofilm and Organic Deposits Removal
- Sanitization of Process and Utility Piping
- Analytical Lab Services
- Professional Consulting Services



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For more information about Astro Pak's chemical cleaning and passivation services, visit us online at **astropak.com**, contact your Astro Pak **Technical Sales Manager**, or call us at **1.888.ASTRO PAK (278.7672)**.