



BioPharmaceutical Services

At **Astro Pak**, we understand the importance of maintaining residue and corrosion-free high purity systems in order to meet FDA and internal standards. With over 50 years of chemical cleaning and stainless steel passivating experience, we're able to deliver the most effective technologically advanced processes to biopharmaceutical manufacturing facilities throughout the world.

System Experience

- Water for Injection (WFI)
- Clean Steam/Generators
- Reverse Osmosis (RO)
- De-Ionized Water (DI)
- High Purity Gas & Vacuum
- Autoclaves & Lyophilizers
- Production Vessels & Tanks
- Fermenters & Bio-Reactors

Our Capabilities

- Pre-Operational Alkaline Cleaning
- Passivation of Stainless Steel
- Preventive Maintenance Cleaning
- Deroxing of Piping & Equipment
- Analytical Lab Services
- Sanitization of Process & Utility Piping
- Biofilm & Organic Desposit Removal
- Electropolishing
- Shop Services

DEROUGING • PASSIVATION

