



# High Purity Services

Our specialized cleaning process removes microscopic impurities—such as particulates, oils, residues, oxides, and biofilms—from both internal and external surfaces of equipment and piping used in highly regulated environments. We deliver surface finishes and cleanliness levels that meet or exceed strict industry standards, ensuring systems perform reliably and remain contaminant-free.



Our services include precision cleaning, passivation, and surface preparation tailored for mission-critical applications. Leveraging advanced techniques and operating within cleanroom environments when required, we ensure full compliance with the most stringent industry standards. These services safeguard product integrity, extend equipment life, and minimize operational risk.

## Clean for Oxygen

Originally developed for oxygen-rich environments, Clean for Oxygen Service has become the industry benchmark for cleanliness in gaseous and high-purity water systems. This specialized process removes microscopic impurities and contaminants that could compromise product quality, safety, or system performance.

With its rigorous standards and meticulous execution, Clean for Oxygen Service delivers an exceptional level of purity—one that is not only highly desirable, but often essential for today's advanced high-purity applications.

## ISO 7 Certified Cleanroom Services

Within our ISO 7 certified cleanroom, we adhere to the most rigorous high purity cleanliness standards, including:

- American Society for Testing and Materials (ASTM) G93 Level A
- Compressed Gas Association (CGA) g4.1

We can handle a wide range of components—from the smallest fittings to large-scale equipment, including:

- Piping up to 24 inch diameter and 20 feet in length
- Vessels up to 8 feet in diameter and 10 feet long

## Service Highlights

- **Comprehensive High Purity Cleaning** – Removal of organic and inorganic contaminants, including oils, greases, and particulates to meet ASTM G93 Level A and CGA g4.1 standards.
- **Certification** – Clean for Oxygen Service certification provided upon completion.
- **Packaging** – Sealed and packaged to maintain cleanliness until installation. Double bagging and nitrogen overlay bagging available upon request.
- **Documentation** – cGMP documentation included with each project.





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## Passivation

Passivation is a chemical process that improves the corrosion resistance of stainless steel and higher alloys by removing free iron and surface contaminants. This allows a protective oxide layer to form, improving the longevity, durability, and reliability used in demanding environments.

DECCO offers both **in-house** and **field passivation services**, ensuring flexibility and precision for projects of all sizes.

## Facility & Field Capabilities

- **20,000 sq ft Facility** – Equipped to handle large volumes and oversized equipment.
- **Logistics-Friendly Location** – Easy highway access and a spacious yard for convenient drop-off and pick-up.
- **Field Services** – Mobile equipment and experienced teams ready to meet diverse on-site requirements.

## Service Highlights

- **Surface Treatment** – Utilization of proprietary cleaning chemistries to create a thick passive layer on stainless steel surfaces.
- **Compliance** – Adherence to ASTM A967 and ASTM A380 standards.
- **Documentation** – cGMP compliant passivation report packages.
- **Customization** – Tailored chemistries and adaptable testing methods to meet specific client and industry requirements.



## Mechanical Polishing & Electropolishing

We offer full mechanical polishing and electropolishing services for a wide range of applications, including:

- Process contact surfaces
- Vessel exteriors and skids
- Stainless steel mezzanines, stairs, and more

Our services are available **in-house** and **in the field**, providing flexible, high-quality services tailored to your project's needs.



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