Since 1983, High Purity Technology has supplied Semiconductor OEM’s and End Users with tubing and fittings cleaned for ultra-high purity systems and related applications. Located in the Hudson River Valley of New York, HPT has built its reputation as the leader in ultra-high purity products and services through experience, commitment to quality and a strong dedication to customer service and support.

A continuous process of research and development to meet the ever increasing ultra-high purity technology requirements has placed HPT in the forefront of advancement, resulting in a unique diversification of products and services. We pride ourselves on our versatility and customer satisfaction. With continuous facility improvements and the constant acquisition of state of the art testing and manufacturing equipment, HPT will continue our responsive services into the future.

As a member of the Neumo Ehrenberg Group, HPT is the primary distributor of the SCiMax ® brand of UHP tubing and fittings throughout the Americas. Our extensive distribution network and stocking programs provides us the ability to meet your delivery requirements - keeping your projects on schedule.

The NEUMO Ehrenberg Group, a diversified multi-national organization headquartered in Germany, was founded by Senator Henry Ehrenberg in 1947. The know-how, experience, and impressive track record of its companies, NEUMO, VNE and EGMO, have been garnered over four decades. Today, the Group is a leading manufacturer of worldwide stainless steel fittings and components. The group's worldwide distribution network supports major multinational accounts.

High Purity Technology, Inc.
Ultra High Purity Tubing Products & Services
ABOUT HPT

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For over 30 years, HPT has been supplying electropolished tubing and fittings for all types of industries. Customers in the fields of semiconductor, photovoltaic and air and space to biopharmaceutical, instrumentation and laboratories have continuously experienced the quality of our products and services. We have the capability of electropolishing tubing from 1/4¨ to 1¨ with a surface finish average of 5 Ra and fittings and components up to any size called out in your specification. HPT manufactures and stocks tubing and fittings from 1/8¨ to 6¨, meeting any of our customers needs. With multiple levels of cleanliness available (mechanically, chemical and electropolishing), we can deliver what is needed when needed - for any application.

When our services are needed for cleaning copper for O2 service, the surfaces (O.D. & I.D.) of all tubing and fittings will be cleaned to the GAC G 4.1 specification. After cleaning, all components are rinsed to remove any trace of hydrocarbon residue and particulate contamination. All surfaces are to retain a uniform finish. Tubing is purged with nitrogen or an oil free air source.

High Purity Copper
At HPT, all of our high purity copper surfaces (O.D. & I.D.) for tube and fittings are mechanically and/or chemically polished to remove tarnish, stains and discoloration. After chemical polishing, all components are rinsed in DI water for final cleaning to remove any trace of hydrocarbon residue and particulate contamination. All surfaces are cleaned to retain a uniform finish that resists re-tarnishing. Tubing is always purged with filtered nitrogen from our bulk nitrogen cryogenic source. Our high purity copper is type ASTM B88, C 12200 hard drawn copper tube and fittings. This type of copper is in compliance with CGA G-4.1, for oxygen service; NFPA 99, medical gas systems; and high purity gas specification. Sizes available are 1/4¨ through 6¨, hard drawn tube and coils, and semi-hard copper.

High Purity Non-Metallic
At HPT, we have complete expertise in cleaning non-metallic fittings, tubing, pumps and components necessary for DI water service and other High Purity fluid distribution systems. Materials such as PVC, CPVC, PFA, PVDF, lined products, etc. are standard products cleaned.

Custom Products / Fabricated Specials
As part of our many services offered, HPT has the ability to manufacture all types of specialty fittings needed to meet your application or engineering requirements. Our engineering design team uses the latest design software, allowing us the ability to provide our customers with products that meet the most demanding specifications. With access to the most modern machining tools available today, HPT is confident in our ability to supply you with what you need, when you need it, when it comes to specialty fittings.

Cleaning
HPT offers a wide array of cleaning:
- Passivation
- Chemical
- Ultrasonic
- Specialty precision grinding
- Mechanical
- ID and OD cleaning and polishing on tubing and fittings

Disassemble, clean, reassemble and certification services for pumps, valves, regulators, gauges, flanges, etc., are available as well.

Electropolishing
- 20' tube lengths from 1/4¨ to 1¨ OD performed and controlled in house
- Distributor for sizes up to 6¨ - tubing and fittings
- Average of 5 Ra on tubing ID
- Custom EP tanks up to 8' long
- Capable of electropolishing racks, carts, tables, pumps, flanges, fittings, components, etc.

Industries Served:
- Semiconductor
- Bio-Pharmaceutical
- Photovoltaic
- Medical Device
- Aerospace
- Food and Beverage

HPT will also clean, polish, and certify customer provided equipment or materials.

SCiMax - Ultra Purity With Guaranteed Ra

SCiMax Semiconductor Flow Equipment is specially designed to meet the stringent standards of the semiconductor industry, delivering maximum results.

- **Maximum Guaranteed Ra**
  Using unique polishing technology, EGMO guarantees the Ra on all internal surfaces, including bent areas where it is difficult to polish and measure.

- **Maximum Cleanability**
  The multi-step cleaning cycle (degreasing, pickling, and electropolishing) is conducted to ensure that products are cleaned with a perfect passivation layer. Final cleaning with ultra pure water is undertaken in a clean room.

- **Maximum Availability**
  State-of-the-art manufacturing facilities and full marketing, distribution, and support in Europe, the USA, and Asia enables EGMO to supply semiconductor flow equipment of the highest quality standards to meet customer’s demands.

- **Full Traceability**
  Each step of our production process is documented and recorded starting from raw materials through finished goods.
High Purity Stainless Steel
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CLEANING & ELECTROPOLISHING

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