

Brennan Industries carries a wide range of Instrumentation components that are used in MRO and OEM applications across multiple industries. With over 10,000 SKUs available, distribution/manufacturing across the globe, and a testament to quality products, Brennan Industries is a leader in the instrumentation components industry.



Originating in Israel in 1950, Ham-Let specializes in gas instrumentation fittings, valves, manifolds and innovative solutions designed for the ultrahigh purity and process industries.



Please contact your Brennan representative for any additional questions.



- Landing gear systems
- Rocket and Jet Test Stands Use many common Stainless Steel fittings and valves
- Flight Simulators
- Breathing air testing systems



- Special Effects systems including the following
 - Laser/Light shows with smoke machines
 - Fire effects propane or natural gas
 - High Pressure water systems gysers and water jets
 - Smoke effects various chemicals (high purity)
 - Chemical effects Helium/Hydrogen
- Water fountain systems fittings and valves exposed to caustic or high salinity.
- Stainless steel compression & pipe fittings
- Car & Coach gasoline/natural gas/propane burning systems
- Paint booths



- Tractor and farming machinery, including sprayers
- Stainless Steel components for chemical delivery systems

 pesticides, herbicides, and other critical fluids that may
 be hazardous or toxic if not properly contained.
- Onsite processing applications food packaging gases (High pressure or onsite generation)
- Testing laboratories GC, LC/MS
- Used widely in the wine, alcohol and nutraceutical markets.



- Packaging systems head space filling applications (pure gas or cryogenic)
- Stainless food grade fittings







- Emissions testing
- Paint booths
- Environmental monitoring
- Laser systems
- Robotic welding cells shielding gases and critical air line connections.
- Plant air or compressed gas systems.



• Brass and steel pipe fittings are prevalent. Many pneumatic fitting opportunities as well



- Flue and stack testing
- Analytical lab ICP and/or ICP-MS for heavy metal testing
- Continuous monitoring testing and calibration



- Stainless Steel fittings used on boat cranes and in on board canneries
- Cryogenic systems and food packaging







- Require 316 grade stainless steel adapters for sanitary purposes.
- Wastewater control systems CO2 for buffering
- Food testing labs numerous analytical devices and detectors, including; GC, LC, MS, ICP
- Cryogenic transfer lines for freezing tunnels
- Packaging gases



- · Vehicle Emissions testing
- Environmental testing equipment
- Field calibration equipment pressure testing
- Emissions monitoring systems chemical/continuous
- Laboratory Equipment MS, LC, GC, ICP
- Sample collection equipment
- · Chemical handling equipment



- Brennan SS Double and Single Ferrule Instrumentation Fittings are very common
- Analytical Labs UHP gas connections
- Manufacturing applications requiring high purity/leak free connections
- Chemical Transfer lines
- Plant Air lines
- Specialty Refrigeration lines for manufacturing free dryers
- Cryogenic liquid transfer lines
 - Control rate freezers
 - Sample storage
 - Seed banks
 - LN2 freeze dryer applications.



- Vehicle Emission and Oxygen monitoring systems
- Field sampling connections sample cylinders
- Calibration applications Explosive environments
- Gas Handling equipment
- Laboratory Equipment MS, LC, GC, ICP







- Laboratory Equipment MS, LC, GC, ICP
- Utilities—meter and regulator assemblies
- Wastewater Management buffering CO2 and acidic treatment chemicals, gas monitoring and calibration connections.
- Parks & Recreation Departments Ice rink refrigeration, propane, and cryogenic systems require a leak tight connection.
- Swimming Pools water treatment with CO2



 Head space and preservation gas systems – Argon, Oxygen, Nitrogen, Carbon Dioxide



- Solutions for UPSTREAM, MIDSTREAM and DOWNSTREAM applications
- Steam system components
- Calibrating and switching modules
- Fast Loop components
- Field station replacement parts
- Sample Probe modules
- Field distribution headers
- Instrumentation monitoring system components
- Calibration connections
- Process lines and components
- Gas handling system components



- Steam systems
- Acidic and Caustic lines
- Instrumentation monitoring system components
- Stack testing and Environmental monitoring







- Continuous gas monitoring systems CH4/methane
- Laboratory Equipment MS, LC, GC, ICP
- Landfill Area monitoring & flue gases
- Stack testing and calibration equipment



- High quality stainless steel (316/316L) parts required for hydrogen applications
- Nuclear power turbines utilizing hydrogen for reduced resistance
- Liquid handling systems at cryogenic temperatures
- Inert gases Helium, Argon, Nitrogen
- Calibration equipment
- Stack testing calibration gas systems, sample cylinders, leak free component connections
- Steam system components



- 316/316L SS components used throughout the shipbuilding process
- Instrumentation fittings used on welding lines especially in facilities near saltwater environments.



- Bulk Gas Delivery System nitrogen, helium, hydrogen and argon
- Toxic Gas Handling systems Silane or siloxane, hexafluoride, halides, and hydrocarbons
- Cleanrooms
- Deposition machines segmented into Chemical vapor deposition (CVD), Physical vapor deposition (PVD) and Epitaxv
- Chip manufacturers use dicing machines, probing machines, polish and edge grinders (inert atmosphere)
- Chemical mechanical planarization (CMP) and photolithography equipment
- Sliced wafer demounting and cleaning machines
- Environmental test chambers







- Solutions for UPSTREAM, MIDSTREAM and DOWNSTREAM applications
- Steam system components
- Calibrating and switching modules
- Fast Loop components
- Field station replacement parts
- Sample Probe modules
- Field distribution headers
- Instrumentation monitoring system components
- Calibration connections
- Process lines and components
- Gas handling system components

For additional information please visit www.brennaninc.com

List of Analytical Devices:

MS = Mass Spectrometer

ICP = Inductively Coupled Plasma

GC = Gas Chromatograph

LC = Liquid Chromatograph

NOTE:

Some devices may be listed in combination, for example a GC-MS would be a Gas Chromatograph with an additional Mass Spectrometer analyzer built in.



- Level 3 and 4 labs contained and require dedicated fluid supplies, including breathing air and other specialty gas supply.
- Analytical Labs UHP gas connections
- Gas delivery systems vacuum, air, oxygen
- Chemical Transfer lines
- Short term storage freezers CO2 supply.
- Cryogenic liquid transfer lines
 - Control rate freezers
 - Sample storage
 - Seed banks
 - LN2 freeze dryer applications.



