

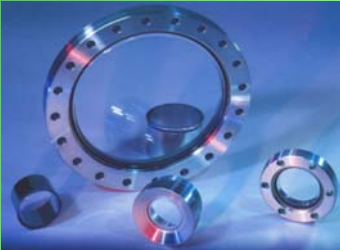


Vacuum & Gas Components





xtronix KF-ISO-CF vacuum flanges & fittings are manufactured from high quality 304L (1.4306) or the higher specification 316LN (1.4429). These materials are the accepted standards throughout the vacuum industry. Both stainless steel grades are low carbon varieties designed to avoid inter-granular corrosion after welding. Aluminium KF components also available.



xtronix viewports are available from NW16 to NW150 in Kodial and Quartz. MgF₂ anti-reflective coating can be applied to the Kodial viewports. Zero-length magnesium fluoride viewports are available in NW35 size.

Kodial and Quartz "tabulation" viewports are standard and we also propose the open tubulation versions, including in Pyrex® grade. KF and ISO viewports are also available.



xtronix proposes a range of feedthroughs for liquids, instrumentation and power.

Ceramic or glass sealed models are available, as well as ceramic breaks for high current isolation applications.

Custom models will be considered!



xtronix Quality Quartz Crystals for thin film deposition monitors are tested and guaranteed to meet or exceed the original manufacturers' specifications. From our selection of the most consistently cut and finished quartz crystals, to the deposition of the contact electrodes in a class 100 process area, we strive to minimize the variability that is often seen in thin film deposition crystals.



xtronix Specialty Pump Fluids & Greases are readily available from stock.

Whether it is silicon oil or Polyphenyl Ether for vacuum diffusion pumps or still Perfluoropolyethers (PFPE) for rotary vane pumps in aggressive applications, we stay well stocked up for quick deliveries.

HORIBASTEC is a world class leader in flow management products. Their broad range of **Mass Flow Meters & Controllers** caters to markets requiring economical models for tight budgets as well as for higher demanding applications with very tight norms such as in state-of-the-art wafer fabs. The product family includes multi-gas / multi-range MFCs. We also undertake design and construction of custom gas panels and blending systems.



HORIBASTEC digital liquid Mass Flow Controllers & Liquid Source Vaporization Control systems lead the market in this field.



Liquid flow instruments offer micro-liter to ultra-low flow rate control enabling precision control of low boiling point and high viscosity liquids. These feature the world's first sensor with a unique cooling method.

A large selection of **Flowlink Diaphragm and Bellows Gas Valves** complements our gas management product family. These come in 2-ways, 3 & 4-ways. Manual or pneumatic actuators are available for most models.



Check valves with cracking pressures up to 100 psi and gas filters completes the gas valve product family.

HORIBASTEC can propose rack mounted or table top 1, 2 or 4-channel state-of-the-art power supply / readout boxes for mass flow instruments. The two displays give the possibility of monitoring simultaneously both reading and setpoint values. The RS-485 serial communication allows user to have full control over the instrument from a host PC, using dedicated software supplied with the instruments.



HORIBASTEC FTIR GAS ANALYZER for semiconductor (dry) process. Compact and easy to use in places with limited space. Continuous measurement using liquid nitrogen-free detector. Dedicated sampling unit. Dual cell available. Portable, dedicated sampling unit available. Optimal real-time analysis software. Operates at ambient temperatures to 100°C. Extensive library of species.



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In addition to our activities as a major supplier of components and consumables for vacuum and thin film applications, *xtronix* is active in helium cryogenics, high energy particle physics, surface science and thin film systems technology for Universities, Research Centers and Hi-Tech Industries. Our customers are in over 25 countries, from Scandinavia to South Africa and from Asia to North America. By proxy of our OEM business we reach out to many more nations around the globe.