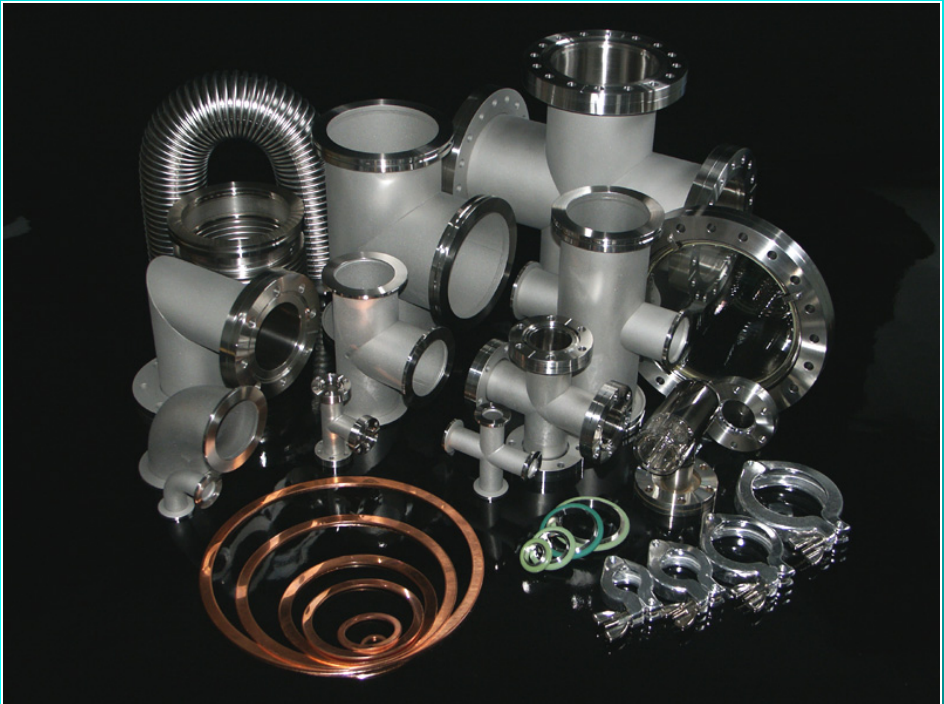
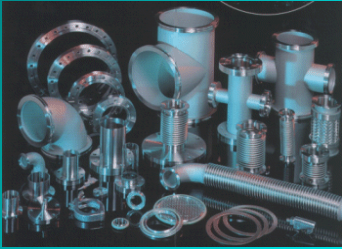




**xtronix**  
www.x-tronix.com

## *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** range of components includes a range of **electrical multi-pin and single-pin connectors**. While some are for non-vacuum applications, we also offer a range to fit HV or UHV applications.

Connectors can include the standard Jaeger or mini-Jaeger, BNC and BAC models.



**xtronix** stocks **consumable items** for a variety of needs by vacuum and thin film users. Among others, molecular sieves and replacement filaments.

XT-704, XT-705 and Santovac-5 for vacuum diffusion pumps and Krytox PFPE for plasma rotary vane pumps are also on stock.



**xtronix** stocks **Bayard-Alpert** glass and UHV nude gauges as replacements to most the popular brands. Our B-A models cover practically 85%, if not more, of the models commonly available on the market.

We also stock **thermocouple** gauge heads and readout instruments.



**xtronix** **Quality Quartz Crystals** for thin film deposition controllers are on stock.

We maintain at all times generous inventories for most the popular American and European brands of controllers as well as for some Japanese models and retired brands.

## **HORIBASTEC** Liquid Source Vaporization / Delivery Systems

The compact liquid vaporizer alternative to baking or bubbler systems. They are typically used within Semiconductor manufacturing, glass coating and industrial coating industries.

The compact point of use vaporizer can be used to replace bubbler technology especially in thin film applications.

**HORIBASTEC's** different models can be used in conjunction with either a liquid mass flow meter or a high temperature mass flow controller.

- ▶ Highly compact and considerably smaller than conventional baking or bubbler systems.
- ▶ Fast, complete vaporization allowing for liquid delivery much closer to the point of use, reducing the risk of condensation and the need for long heated lines.
- ▶ Suitable for semiconductor films, such as LPCVD, MCVD, TEOS, TMPO, TMOA, TiCl<sub>4</sub>, MOCVD, PECVD, SACVD, HMDSO etc.
- ▶ Suitable for the Next Generation of Semiconductor Materials, such as Thin Ferroelectric Films, Ba, Ta, Ti, TiCl<sub>4</sub>, SiCl<sub>4</sub> and more.
- ▶ Other applications include SiO<sub>2</sub> thin film, Silicon Nitride, H<sub>2</sub>O water vaporization for fuel cell applications.

**HORIBASTEC** FT-730G FTIR gas analyzer is designed for semiconductor processes and contributes to the prevention of global warming through diverse analysis of dangerous greenhouse-effect gases and PFCs. Dual cell operation means that with a single touch it is possible to switch to continuous measurement of completely different measurement concentration points, such as those before and after the abatement system.



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X-TRONIX AG • av. de Morges 52 • 1027 Lonay • Switzerland  
☎ +41 (0)21 802 54 90 • 📠 +41 (0)21 802 54 91 • 📧 info@xtronix.ch



**HORIBASTEC** Mass Flow Meters and Controllers cover a very broad range of application needs and budgets. From the very economical SEC-E solenoid valve series to the SEC-Z digital family, the SEC-V with piezo actuator, high-speed CPU and DeviceNet, to the SEC-4000 ultra-clean models. Readout boxes field calibration standards and other peripheral products are available, including custom designed gas panels and blenders!

**xtronix** is active in surface science, helium cryogenics, high energy particle physics and thin film technology. Our customers are in over 25 countries, from Scandinavia to South Africa and from Asia to North America.