

Customized MEMS

LioniX International is a leading provider of customized MEMS solutions

Small to medium volume production

LioniX International produces customized MEMS in small to medium volumes. To fabricate our MEMS we use standard processes which can be customized if required.

Process Control & Instrumentation and Life Science

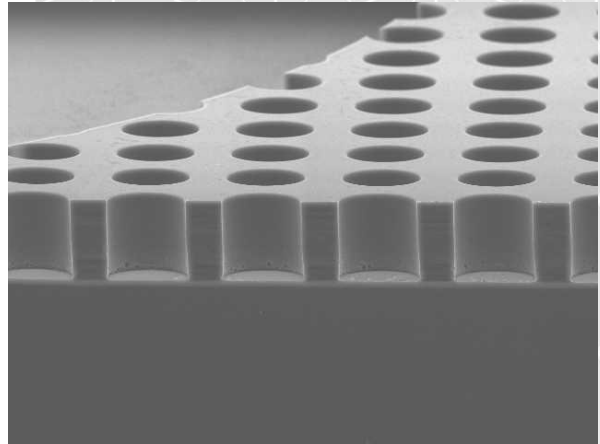
Our customers operate mainly in the Process Control & Instrumentation and Life Sciences markets. Among our customers are start-ups, SME's as well as multinational corporations.

Serving today's MEMS needs

LioniX International supports hundreds of customers using thousands of photomasks and run charts. Today, a considerable number of products are being produced and brought to the market by our customers. Usually, this is a key part in one of their innovative products, enabling them to address new markets and applications.

State-of-the-art technology

To produce your MEMS we use standard fabrication technologies such as photolithography, Low Pressure or Plasma Enhanced Chemical Vapor Deposition (LPCVD or PECVD), Reactive Ion Etching (RIE), sputtering and evaporation, completed with state-of-the-art MEMS technologies such as Deep RIE, (DRIE) Vapour release etch, Silicon on Insulator (SOI) and Wafer Level Packaging (WLP).

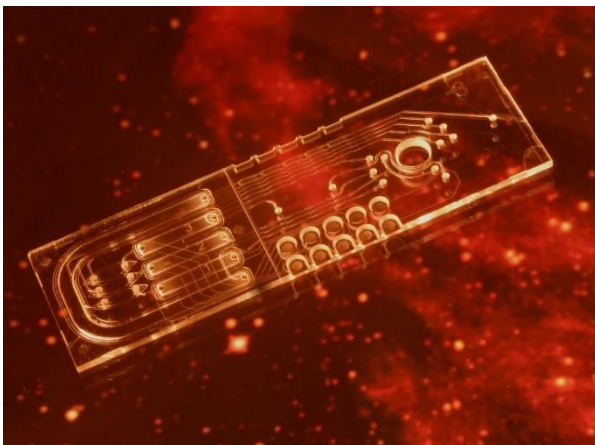


LioniX International

LioniX International was established in 2001. We are a flourishing enterprise with a team of more than 50 experienced employees who individually build on a comprehensive knowledge base composed of an extraordinary number of years of cumulative experience ranging back to the early years of MEMS.

Meet product requirements without compromise

The success of LioniX International arises from our wide range of standard processes and know-how, which are utilized in new products whenever possible. However, we do not compromise your product specifications by fitting the manufacturing process in a standard format. We continuously explore new techniques and processes and are prepared to develop customized solutions to meet your product specifications.



Field	Examples
Sensors	Flow sensor (anemometric and Coriolis) Pressure sensor ISFET Conductivity sensor CMUT Ammonia sensing system
BioMEMS	DNA chip PCR chip Microneedles
Microfluidics	Microreactor and micromixer Electrophoresis chip Phase separator chip Life Marker chip to explore life on Mars
Inertial MEMS	Accelerometer Gyroscope
OEM parts	TEM specimen holder TEM Grid Manifold for a mass spectrometer
MOEMS	Adjustable mirror Picobeamer Flexible integrated waveguides
Nozzles	Inkjet printhead Emulsifier
Probing	AFM tips, CIPT probe Nanoindenter
Integrated Optics	PICs (photonic integrated circuits) Interferometric biosensors Biosensors (absorption, evanescent field) Spectrometer



Customized MEMS

- Small to medium-volume production
- Focus on Process Control & Instrumentation and Life Science Markets
- Serving today's MEMS needs
- State-of-the-art technology
- Meet product requirements without compromise

More information can be found on <https://mems.lionix-international.com>

Our chips drive your business

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