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Microfluidics & Polymer Micro- and Nanotechnology

microfluidic ChipShop offers services in two main areas: The design, prototyping and mass-fabrication of lab-on-a-chip-systems and the fabrication of polymer based micro- and nanodevices.

Microfluidics

For microfluidics microfluidic ChipShop has the clear mission: to shrink the biological and chemical laboratory to bring lab-on-a-chip systems into daily laboratory life at a reasonable cost.

Lab-on-a-Chip-Catalogue

Besides tailor-made lab-on-a-chip-systems, the company offers a comprehensive range of microfluidic chips as well as the necessary tools as e.g. thermocyclers to run chip-PCR, pumps to drive the flow in the microstructures, fluidic interfaces for prototyping as well as support kits including the "little helpers" to directly start with the experiments. The microfluidic ChipShop lab-on-a-chip-catalogue is the easy and cost-efficient way to start with microfluidics.

Multitude of Materials – Multitude of Applications

The expertise of microfluidic ChipShop covers the design and implementation of products in polymers, silicon, glass, ceramics, and metals offering the suitable material and fabrication technology for every application.

Polymer Micro- and Nanofabrication

For the production of polymer components microfluidic ChipShop owns a complete fabrication line, including injection and injection compression molding machines, a hot embossing station, surface functionalization, assembling and packaging stations and a class 1000 clean room. For the assembling of microfluidic devices – in particular for their use as in vitro-diagnostic-tools – microfluidic ChipShop operates a class 100 clean room.

Certified Quality Management System

Quality is part of the company's policy. Therefore, microfluidic ChipShop is certified according to DIN EN ISO 9001:2000 and DIN EN ISO 13485:2003.