

Engineering Services for Active Fluid Handling

Bartels Mikrotechnik is a leading provider of development services in active microfluidics for miniaturized and portable applications. With more than 15 years of background in production and development of microfluidic solutions, Bartels Mikrotechnik is an experienced partner for handling small amounts of fluid. Based on individual customer requests, the business unit microEngineering offers development services in the design and realization of microfluidic systems, continuous and discontinuous fluid delivery, micro dosing, micro spraying and generation of mist, droplet based liquid handling and micro hydraulics. Thereby our strength lies in the flexibility of our services based on our development knowhow.



With our long term expertise in microfluidics and the comprehensive market knowledge we support our customers in the design of complex fluidic systems from the reservoir to the delivery unit, development and integration of customer specific micropumps and passive or active valves, integration of hybrid components as flow or pressure sensors, integration of other peripheric components as for example flow restrictors, filter or membranes as well as the measurement and characterization of fluidic systems in order to offer competitive solutions.

We work in partnership with our customers to develop new products, creating innovation from advances in technology. Our clients value our ability to solve challenging technical problems. The experienced team of development engineers from different technical backgrounds is specialized in transforming complex technology into simple, intuitive solutions.

Additionally the ISO 9001 certified company supplies space-saving micropumps and microvalves through its microComponents business unit.

About Bartels Mikrotechnik

Ever since its foundation in 1996 Bartels Mikrotechnik GmbH has been a synonym for great innovative power and microtechnological know-how.

Bartels specializes in innovative applications of micro systems technology (MST) in the branches of classical consumer goods, mechanical engineering and medical technology. Microfluidics, microactuation and micromechanics constitute the company's technological focus. The international activities of Bartels Mikrotechnik subdivide into two business segments: Bartels microEngineering and Bartels microComponents.

Bartels Mikrotechnik at ComPaMED 2011: Hall 8a, booth H19.4

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