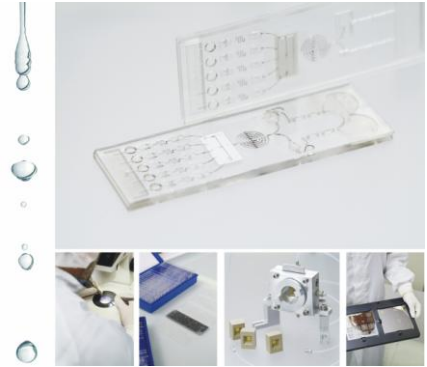


Active Microfluidics at this years BIOTECHNICA

Bartels Mikrotechnik, the leading provider of development services in active microfluidics, is presenting examples of successful developments in the design and realization of complex microfluidic systems, including the integration of hybrid components; continuous and discontinuous fluid delivery; micro dosing; micro spraying and generation of mist and droplet based liquid handling. This year's novelty is the mobile dispenser system mp6JET.



Many applications require the contactless dispensing of small amounts of liquids as a mobile, disposable and sterilizable unit. The mp6JET from the fluidic specialist Bartels Mikrotechnik GmbH, Dortmund, opens up



The mp6JET dispenser head.

new possibilities with its specific design for mobile and medical applications. Micro controller operated, the cost optimized system can be controlled with high accuracy down to a single pulse.

Single volumes from sub- μ l to the μ l range can be dosed contact less over a distance of 80 mm with ultra short dosing cycles of ~ 10 ms. The control electronics and the reservoir have also been realized for mobile applications in a miniaturized design.

Product manager Severin Dahms informs „There are many areas of applications. Due to the choice of materials, which is USP class VI, medical use is possible. The dosing head can be sterilized and re-used or disposed after contamination. Customer specific requirements are always in our focus. For example in biotechnology or medical technology high repeatability of the dispensed volumes, with deviations less than 5 % are of interest.“

A standard system is offered for evaluation. A flexible adaptation of the dispenser to the application is offered upon customer request.

Meet Bartels Mikrotechnik at the BIOTECHNICA in Hall 9, booth E 18 (Bio.NRW).

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Bartels Mikrotechnik at BIOTECHNICA 2011: Hall 9, booth E18 (Bio.NRW)

