



Bringing MicroFluidics to Life

PHILIPS

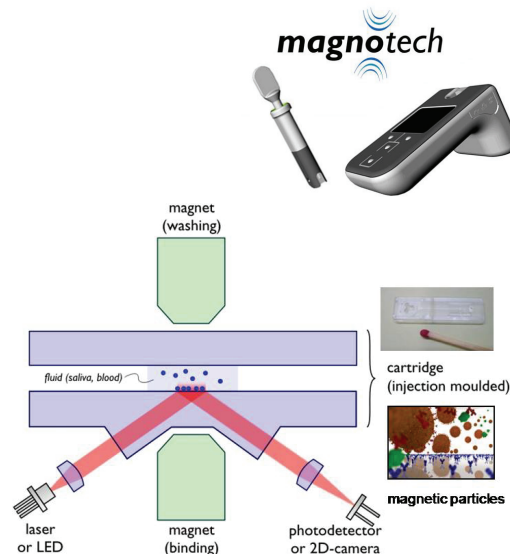
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Philips Applied Technologies

sense and simplicity

BACKGROUND and BASICS

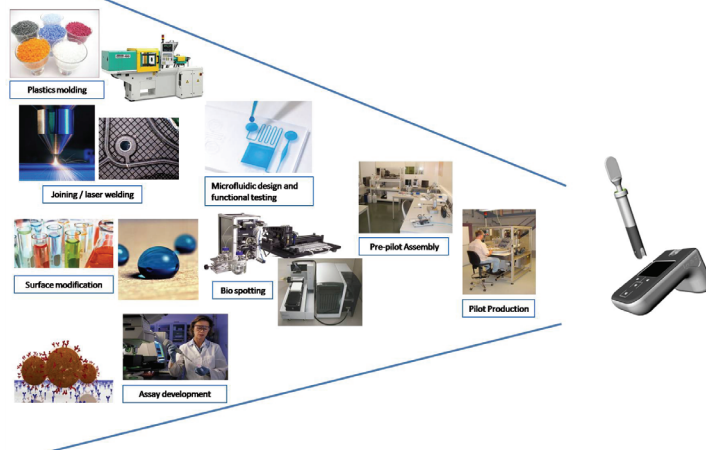
- In general, a new generation of IVD devices based on microfluidics technology is on the verge of market entry. Presently, Cozart (a wholly owned subsidiary of Concateno plc) and Philips Healthcare incubator are engaged to develop and commercialize an innovative new handheld drugs-of-abuse testing product based on the Philips Magnotech™ technology. The development of the microfluidic based disposable was performed at Philips Applied Technologies.
- In general, disposables for IVD applications contain more and more functionalities that have to be integrated into a product design such that cost effective mass manufacturing is guaranteed based on robust manufacturing processes.



CONCEPT and SOLUTION

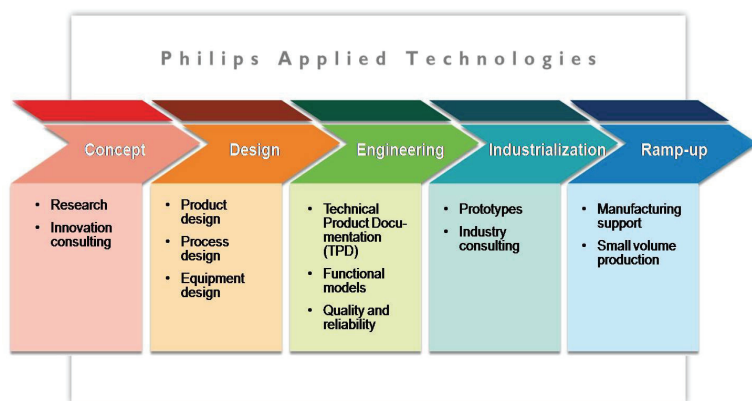
Successful development of complex disposables based on microsystems technology requires:

- System architecting
- A structured way of working to align the various aspects of the product development cycle (e.g. product design, manufacturing processes, process equipment, supply chain, etc.)
- A multidisciplinary team
- Access to a broad range of manufacturing technologies



STATUS and OUTLOOK

- Philips Applied Technologies performs integrated product design and manufacturing of microfluidic based disposables on a contract basis, also for third parties.
- Our activities range from system architecture and product design to process and equipment development for pilot-series production.
- A one stop solution for product development and manufacturing of microfluidic based disposables for IVD applications.



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