

Diagnostics at Fraunhofer IMM

Precision microfluidics experts for microfluidic systems

Application fields

Medical applications

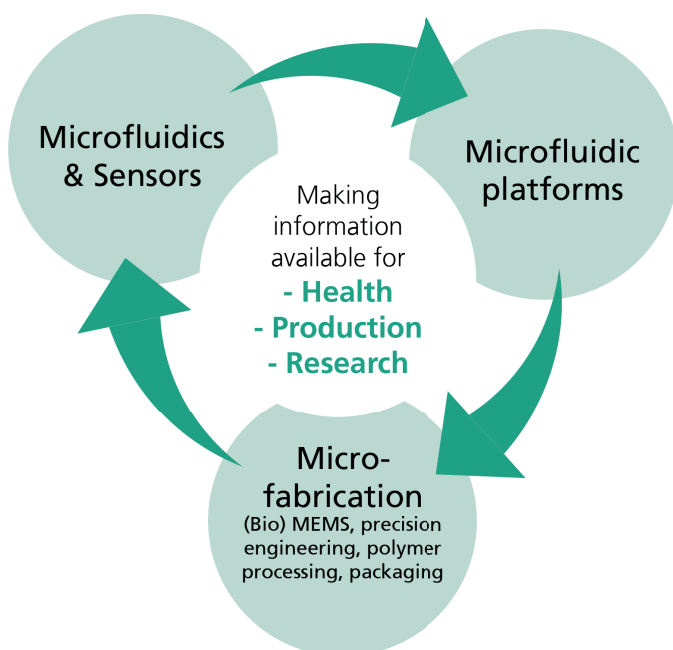
Analyzing small-volume biological samples or investigation of organ specific cells or biomarkers to screen, diagnose diseases, monitor health and improve treatments

Biotechnology applications

Investigation of chemical, biological, and genetic materials in new drug and biomolecule discovery

Environmental applications

Testing and analyzing plant and soil samples



What makes us unique?

Our focus on an exciting new design, technology, process optimization or solution with a clear and informed understanding of the specific problem and the customer's needs!

Our technology platform enables:

- Improved recapitulation of in vivo or in vitro conditions
- Unique and extremely sensitive diagnostic system
- Quantitative and validated microfluidic test method.
- Standardization of design and fabrication processes to emphasize scale-up, improve usability
- Improving usability and reducing the dependence on technical expertise, peripheral equipment, and laboratory infrastructure
- Refinement of materials, designs, and dynamic control systems to better recapitulate biology, physiology, and in vivo conditions without sacrificing usability

