

**Strategic partners for
advanced lab-on-a-chip consumables for
diagnostics, pharma and life science**





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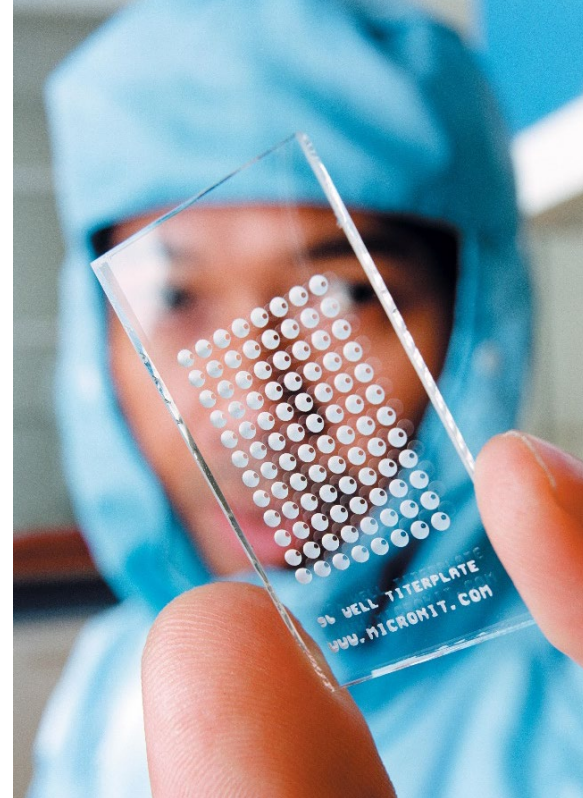
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About us

Experience and know how in every phase,
from concept to manufacturing



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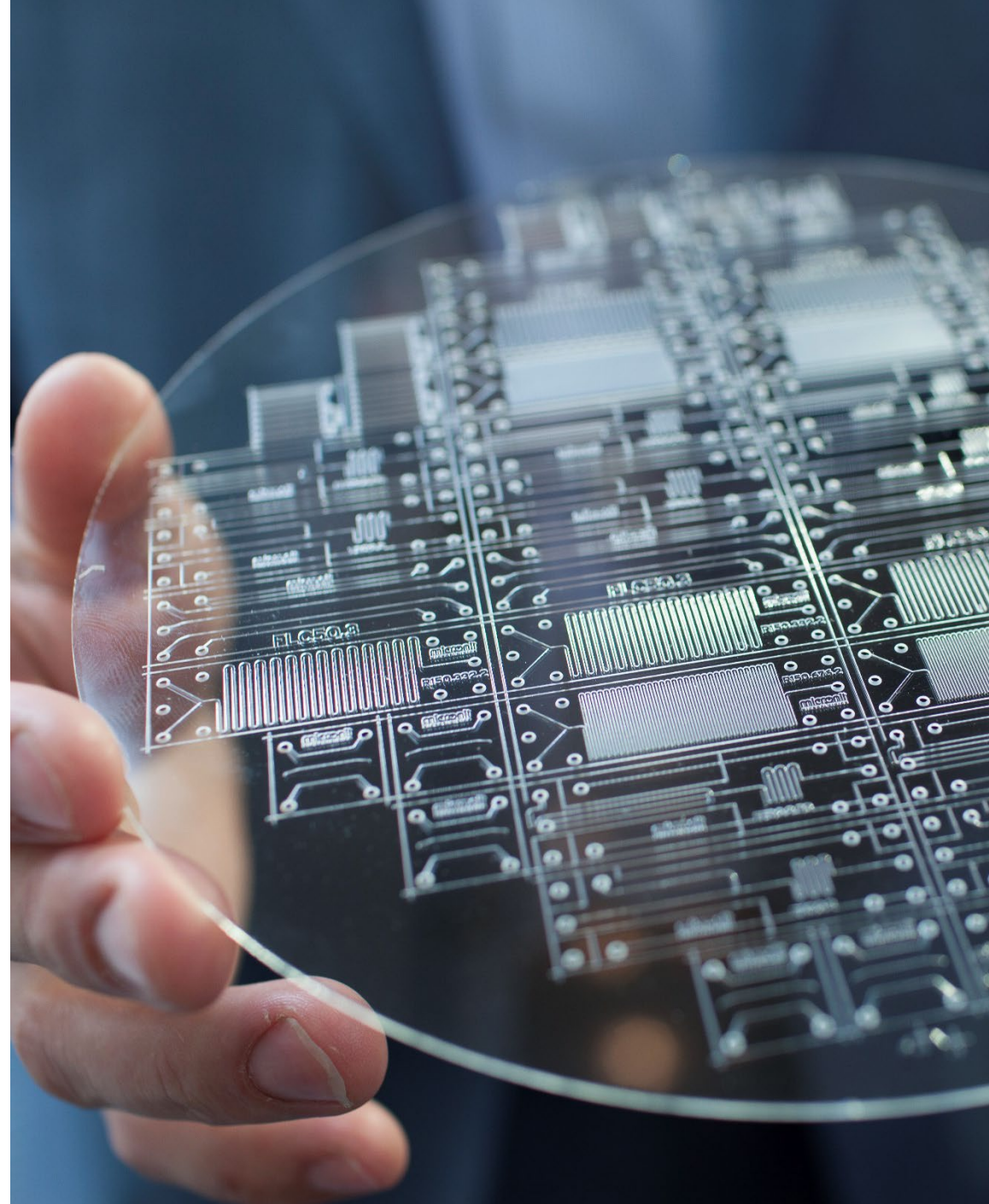
leading global contract
development and
manufacturing partner for
lab-on-a-chip consumables


Helvoet

leading global supplier for high
precision polymer components
made by injection moulding
and assemblies

Core competences

- Prototyping
- Product development
- Micro & nano precision tool making
- Project management
- Quality assurance to medical standards
- Design for manufacturing
- Automated volume production
- Stakeholder management



Technical capabilities

Experience and know how in every phase,
from concept to manufacturing



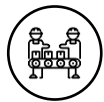
Quality assurance



Design for
manufacturing



DoE's for sustainable
process windows



Zero defect
manufacturing approach



100% process control



Statistical data
management



Staff commitment

Upholding Excellence:
ISO 9001 & ISO 13485 Certified, FDA 21 CFR 820 Compliant



From idea to market



Project definition

- Clarification agreement on requirements
- Identification of initial risks
- Presentation of a project plan



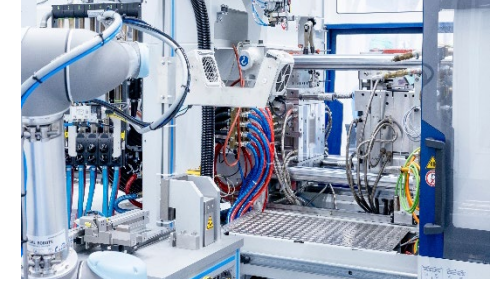
Prototyping & Development

- Further quantification of requirements
- Functional breakdown
- Concept designs
- Further detailing prototype designs
- Iterations of increasing MRL levels



Pilot series

- Production of pilot runs
- Evaluation
- Release for serial production
- Detailed scaling up plan



Manufacturing

- Serial production
- Scaling up to meet growing customer demand

Applications



Diagnostics



Drug Discovery



Food Safety



Environmental testing

Microfluidic consumables can be used in a broad variety of markets.
We support you to commercialize and upscale your solution.

Production

Within the Flow Alliance we offer the right surroundings and the right equipment for your microfluidic product from first sampling to high volume production



Customer Showcases



Showcase: Enzysystem

Handheld micro-laboratory to monitor blood coagulation status of any patient anywhere in the world, enabling fast action to prevent or stop bleeds



- Blood filter for sample preparation
- Blister for buffer storage
- Capillary flow-based sample dilution
- Surface coating
- Spotted reagents
- Integrated CMOS sensors for detection

Showcase: QIAcuity

Nanoplate for digital PCR system with the highest throughput on the market (up to 800.000 nanowells and channels)



- Co-development + first sampling + ramp-up production
- ISO 7 cleanroom injection moulding
- ISO 7 cleanroom automated assembly and inspection

Showcase: Virapoc

Multi-purpose molecular DX platform



- Sample preparation
- Volume measurement
- Multiple reaction wells
- Dried reagents
- Plate reader
- Molecular test reader
- Lateral flow reader

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