



About Micronit

Micronit is the leading global contract-development and manufacturing partner of microfluidic-based products. Along with a highly qualified team and manufacturing facilities, we enable products in life science and health applications.

 ISO 9001 & ISO 13485 Certified

Our Services



Prototyping
Microfluidics design house from idea to a full product running in (small) series production



Product development
End-to-end solution provider from prototyping to production of microfluidic based products, components and Lab-on-a-Chip consumables



Contract Manufacturing / Foundry Services
Operating a wafer-based microfabrication cleanroom, combined with a fully equipped pilot production line.

www.micronit.com

Our Expertise

Whether you need a simple chip design or a complex multi-layered product, we have the expertise and technology to bring your ideas to life. Our teams are well-aligned and experienced in making successful transfers to production, resulting in higher quality products and faster time to market. From concept to production, we are committed to delivering the highest quality products to meet your specific needs

We develop these products in order for you:

- Advanced Lab-on-chip devices
- Organ-on-chip device
- Microfluidic Components
- Micro-structured Components

- Extensive design support for optimal manufacturability
- Expert guidance for seamless transfer from idea to manufacturing
- More than 20 years of experiences in microtechnologies
- Expert in life-science and health applications
- Independent Contract Development & Manufacturing partner

Our foundry

At Micronit, we specialize in the production of Glass, Polymer, and Silicon-based integrated chips, underpinned by ISO 9001:2015 and ISO 13485:2016 certified processes. Our focus on world-class manufacturing and continuous improvement is realized in a 600m² cleanroom space (class 5-8), part of a larger 1000m² facility. Our manufacturing team consists of about 60 experienced and dedicated members, equipped to handle low to high production volumes—up to 1 million units at the consumable level. With rigorous Process Quality Control, supported by real-time control charts and SPC, we've successfully served customers worldwide.

- Production of Glass, Polymer, Silicon and integrated chips
- 600m2 Cleanroom space (class 5-8), total space 1000m2
- Manufacturing team: ~60 experienced and dedicated team members
- Low, medium and high volume up to 1M on component level
- ISO 9001 & ISO 13485 Certified



Our capabilities

Lithography	Photo-resist	Spin-coating	Spray-coating	Dry film resist	Polymers		
	Mode	UV-Lithography	Stepper Lithography	Nano Imprint			
	Alignment	Contact	Proximity	Front-Back			
Deposition	Chemical (CVD)	SiO2, SiN, ONO	PZT				
	Physical (PVD)	Cr, Pt, Au, Ta, Ti, Al, Cu, ITO,...					
Etching	Dry	DRIE	RIE				
	Wet	HF/BHF	KOH/TMAH				H3PO4
Micro Machining	Particle Ablation	Powderblasting					
	Laser processing	Laser ablation					Laser cuttin and drilling
Polymer replication	Embossing	Soft Embossing	Hot Embossing	Lithographic			
	Injection Molding	Milled Mold	Lithographic Mold				
Surface Functionalization	Surface adjustments	Polymeration	Hydrophobic coating	Local surface activation	Wet chemistry processes		
	Spotting & dispensing	Plasma activation	Immuno-assays	Oligonucleotides	Reagent integration		
Bonding	Polymer	R2R Lamination	Fusion	Ultrasonic	Laser		
	Other	Direct/fusion	Anodic/low temp.	Room temperature	Eutectic		Adhesive
Measurement	Non-contact	Non-contact	Microscope	Reflectometry	SEM analysis		
	Die level assembly	Surface profiler	Profilometer				
Post processing	Dicing	Wafer dicing	Dicing (angle <8°)	Scribing			
	Integrations	Sensor integration	Components integration				
	Pre-Distribution	Pre-Distribution	Surface polishing	Packaging			

Get started with your microfluidic prototype ask for a quote [here](#)