



WORKSHOP OF PHOTONICS

Our happy
partnerships &
epic solutions



European Photonics
Industry Consortium

wophotonics.com



We deliver **solutions** for **your μ tasks**



18+ years of expertise

in femtosecond laser micromachining
with a high focus on glass



6 in-house and 2 licensed patents

enabling cutting-edge technologies



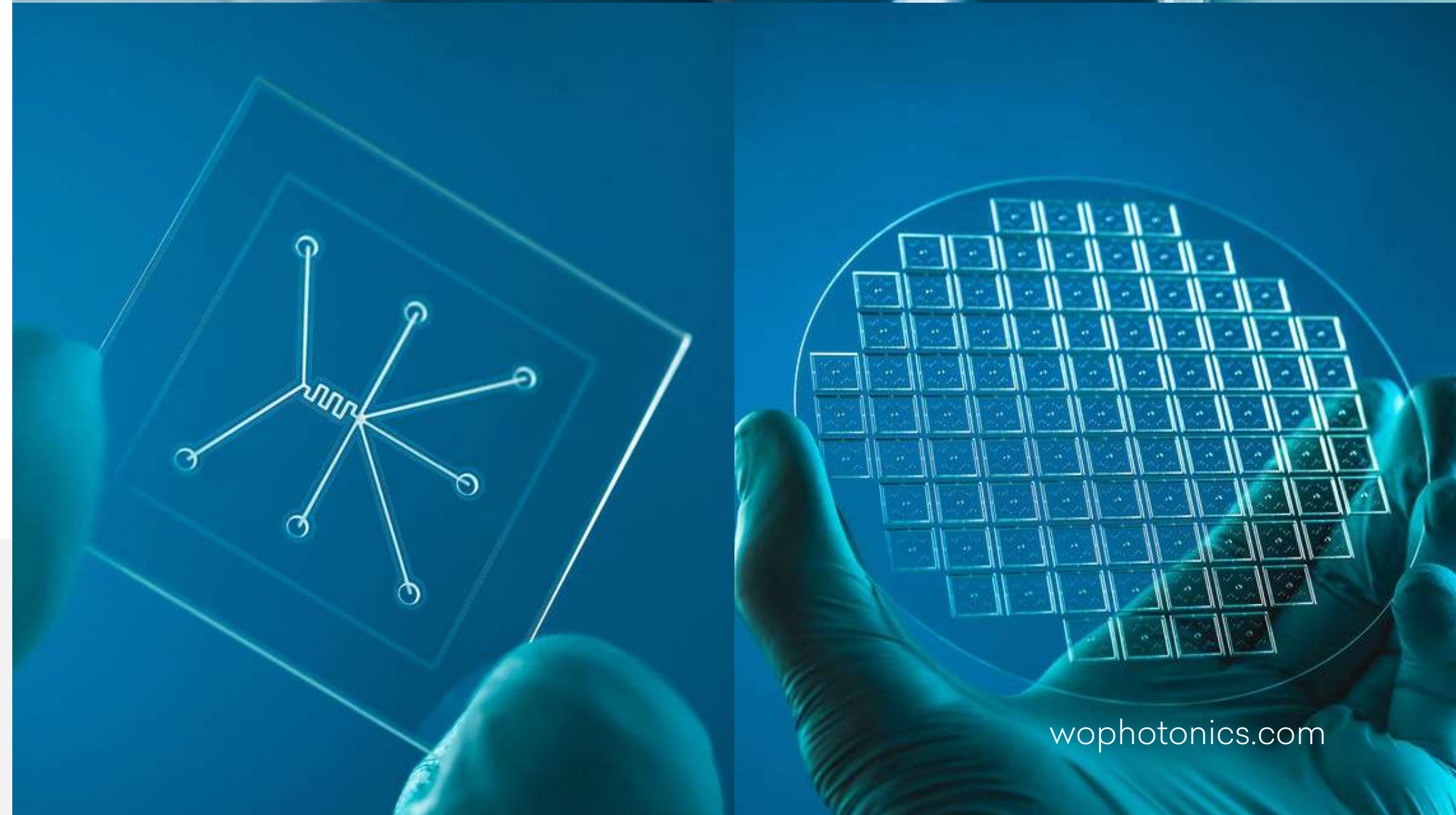
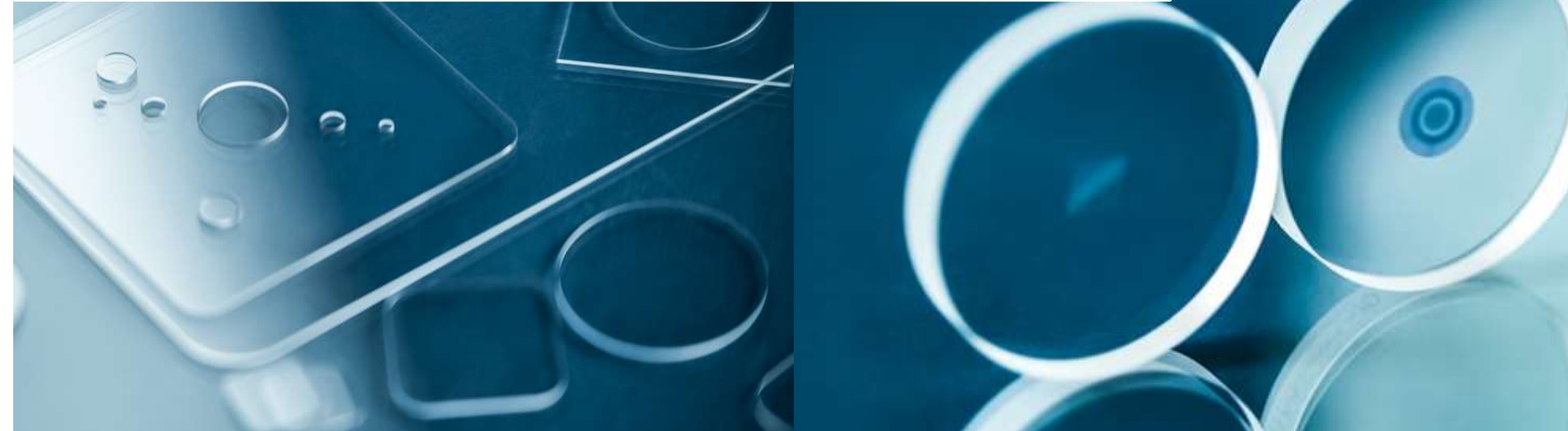
50+ professionals

5 Ph.D., 30 M.S. and B.S.



R&D studies

with more than 10 academic
and research partners



Members of



ISO certified



wophotonics.com

How we can help You



HAVE A MICRON CHALLENGE?

A close-up photograph of several printed circuit boards (PCBs) with various micro-components and traces, illustrating the prototyping service.

PROTOTYPING

Rapid prototyping services to test your idea in an actual environment.

A close-up photograph of a precision-machined metal part with a complex, curved, and perforated surface, illustrating the production services.

PRODUCTION SERVICES

Ultra-high precision services on all materials.

A photograph of a large, white industrial laser system with a control panel featuring a monitor and a keyboard, illustrating the laser system development service.

LASER SYSTEM DEVELOPMENT

Tailor-made laser systems designed for your specific application.

All materials: glass, sapphire, ceramics, silicon, metal, plastic, optical fibers.

Happy partnerships at EPIC

Partners in funded projects



Commercial relations



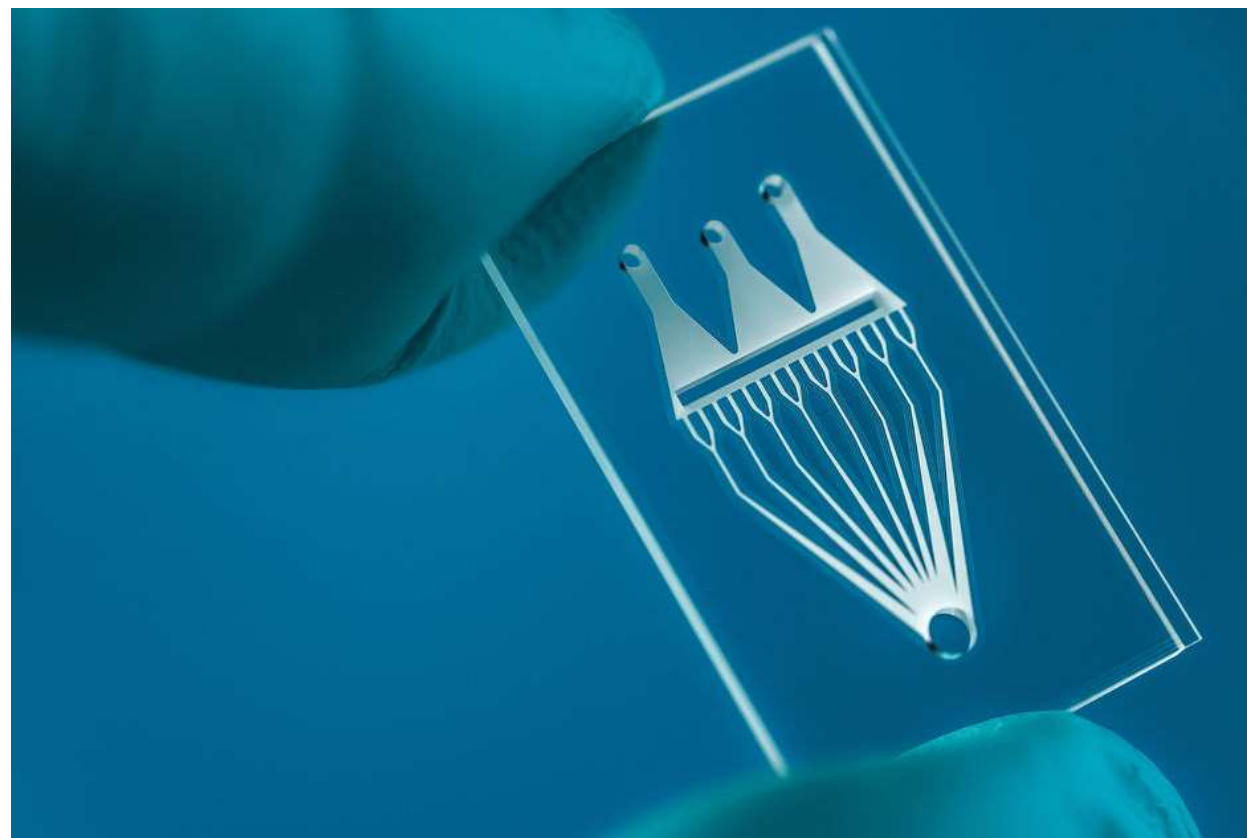
Joint development agreements



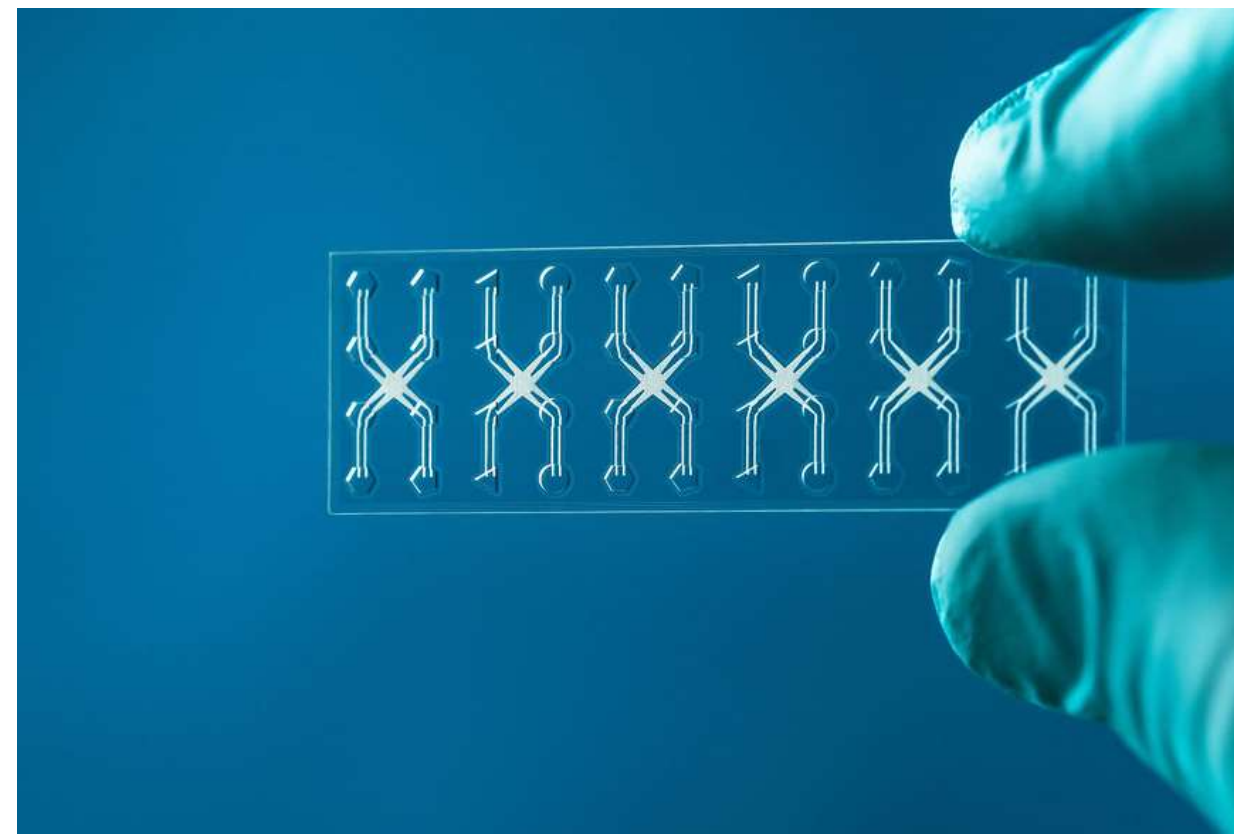
Partners in R&D projects



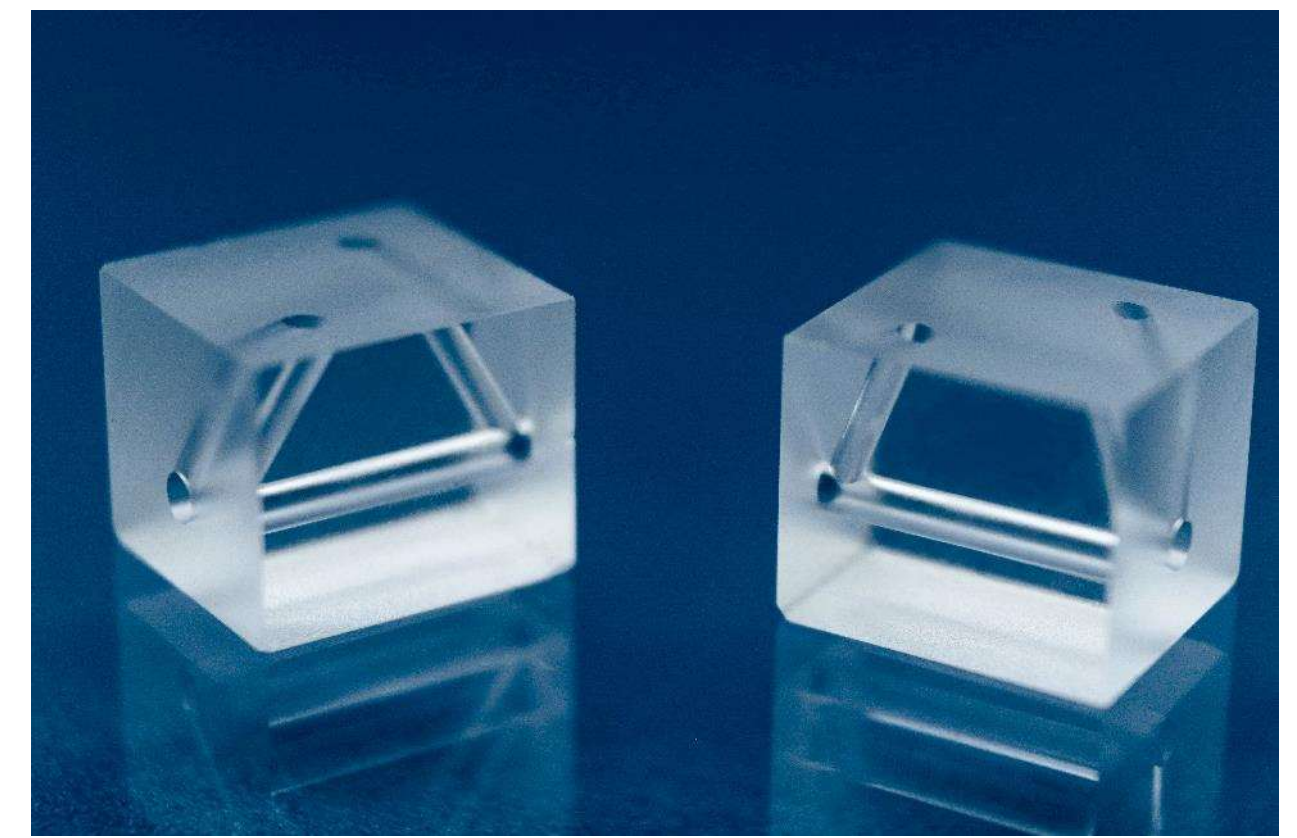
Our recent solutions



Custom design microfluidic chip manufacturing



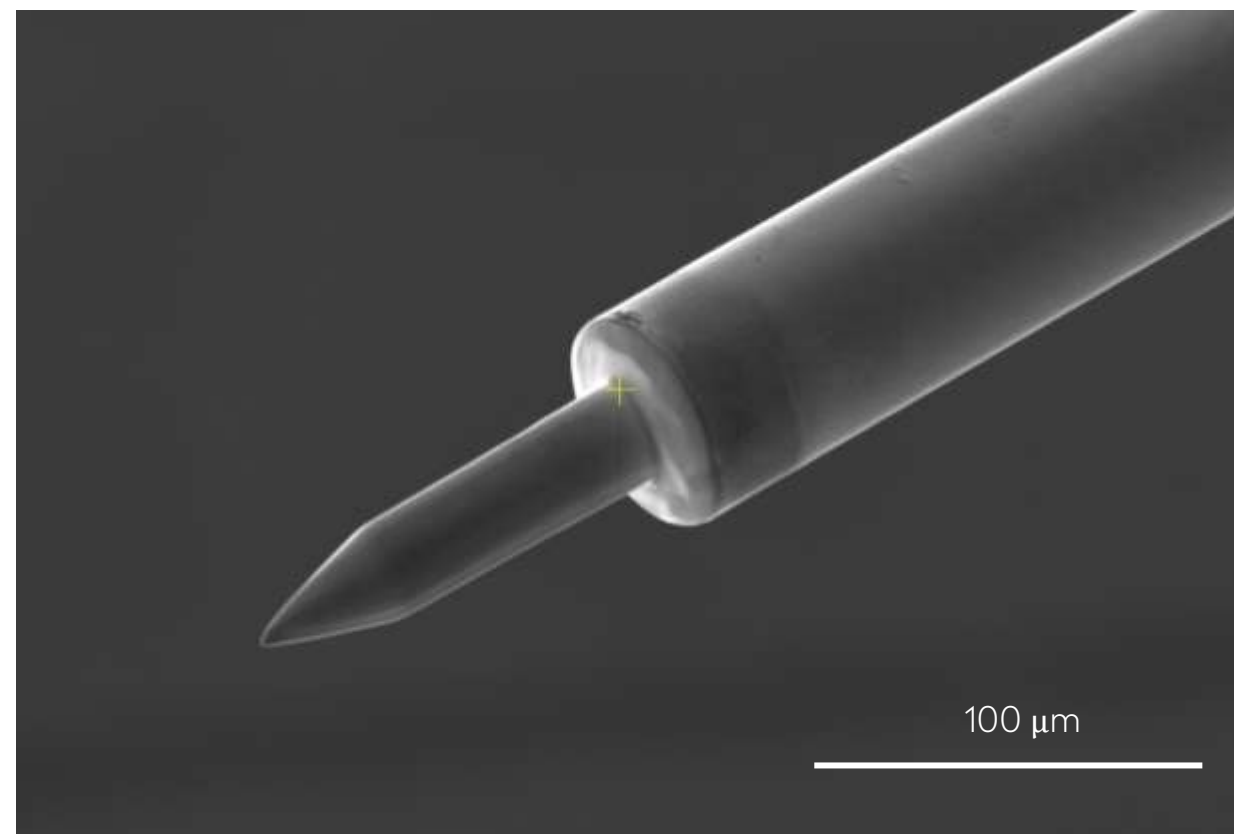
Microfluidic chip bonding up to 5 hermetic layers bonded without adhesive



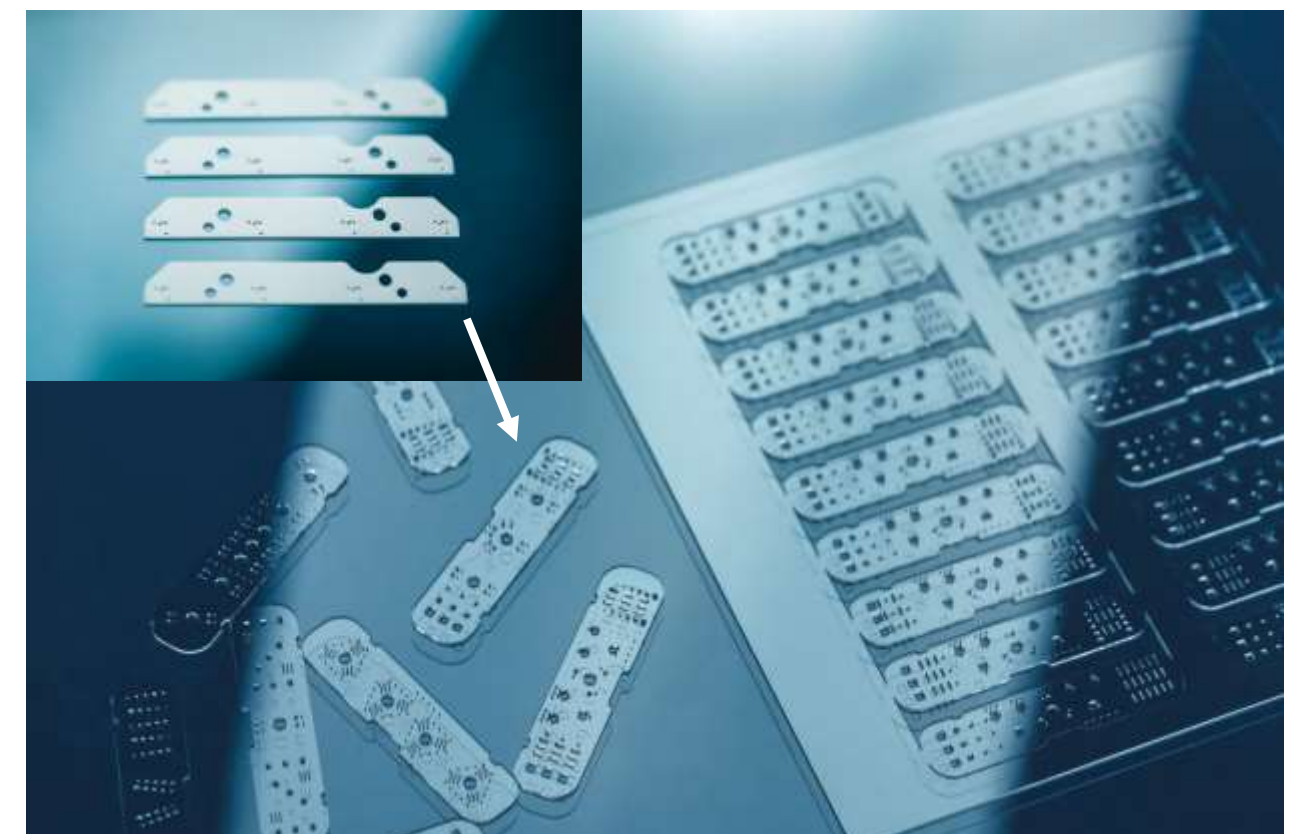
Perfect channels in glass cubes, glass drilling with SLE



Glass wafer Ø 8", 500 μm thickness, fused silica



Tungsten needle micromachining, tip diameter $\geq 5 \mu\text{m}$



Switch ceramics to glass for probe cards: 80% less defects and 20x faster processing

What's next?

Shift from contract manufacturing to firm place in value chain meaning:

- More & more production for industry clients
- Partnerships with and participation in biomedical and semiconductors clusters
- All this thanks to ultra-high precision & quality standard





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Let us know Your μ tasks –
we will deliver a solution!

