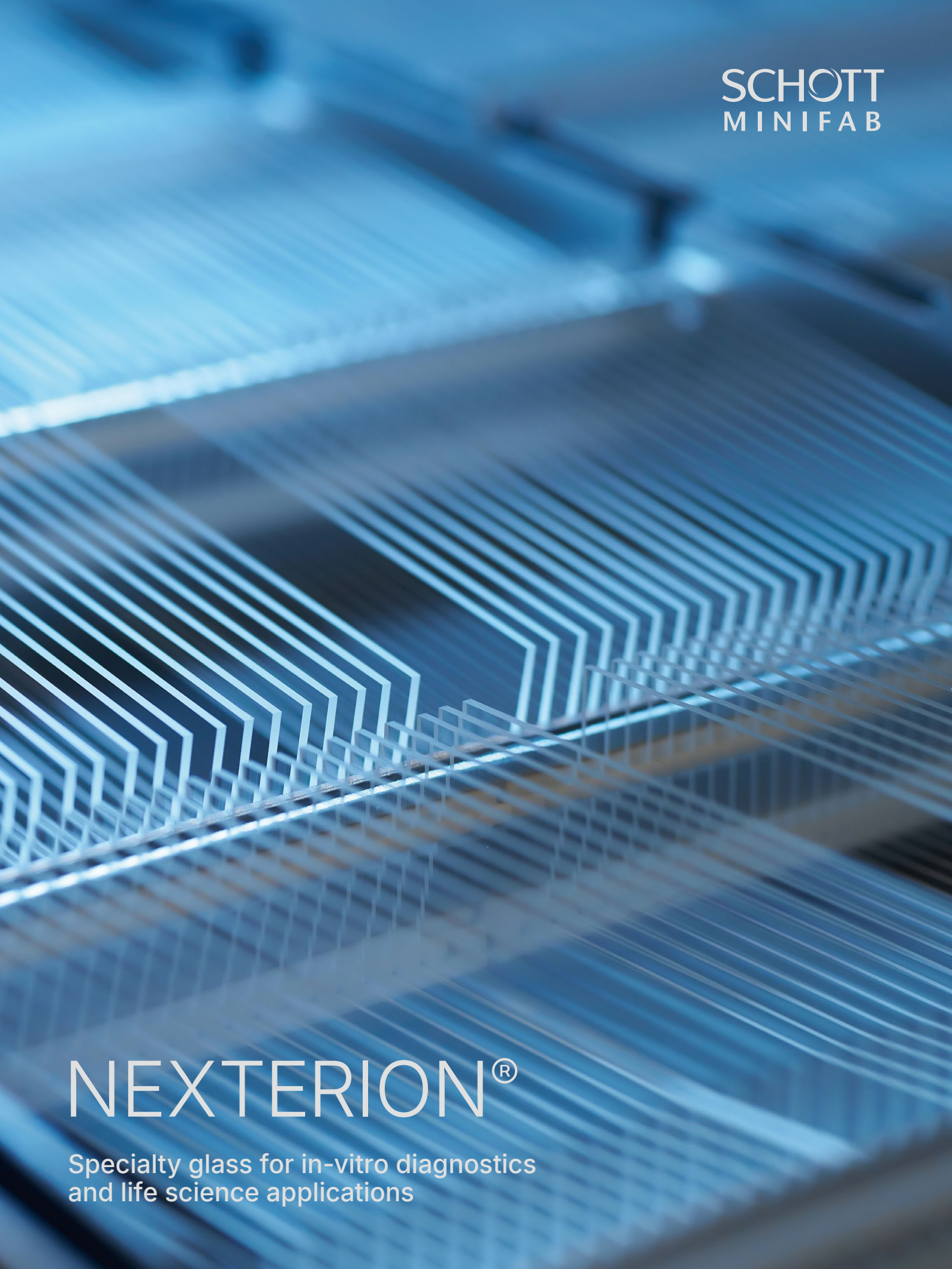


SCHOTT
MINIFAB

NEXTERION®

Specialty glass for in-vitro diagnostics
and life science applications

Discover next-generation substrate solutions

NEXTERION® is the leading brand for cleaned and coated glass substrates for research, diagnostics and many other life science applications. With 20+ years of experience producing microarray and lab-on-a-chip solutions, we offer a wide range of standard products and functional coatings for DNA, protein and cell applications.

Along with our standard product range, we offer tailor-made solutions to meet your exact needs.



Material

At SCHOTT, we offer a broad range of different types of glass. Our diverse glass portfolio includes glass thickness ranging from 30 µm up to 254 mm, depending on the glass type.

Our borosilicate glasses – BOROFLOAT® 33 and D 263® – are typically used for diagnostic and life science products.

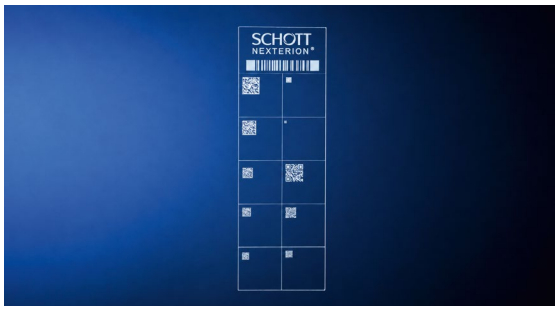
If another material is required, our team of experts can assist you to identify the most suitable solution.

Dimensions and tolerances

In addition to the standard diagnostic and life science formats, we offer custom options to best fit your needs.

We offer substrates adapted to your specific application. Typical thicknesses for NEXTERION® substrates range from 0.1 mm up to 2 mm. Custom-sized products can be produced in rectangular, square or round formats with the option of special tolerances.

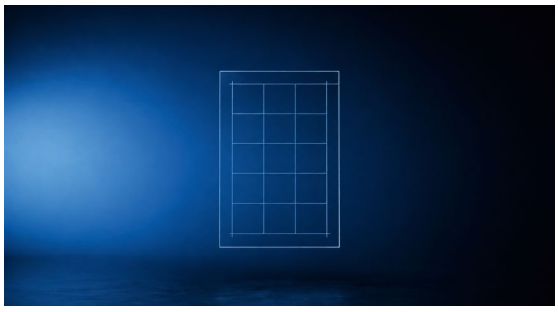
Next-generation substrate solutions



Marking

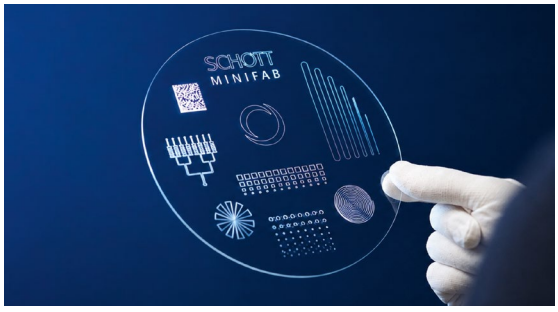
We offer a range of configurable markings to customize your substrates with graphics, logos, company names, barcodes, reference marks, or 2D matrix codes, which can be placed anywhere on or within the glass surface, and combined as needed (e.g., a company logo with a sequential barcode).

These markings are robust and designed to withstand standard biomedical laboratory procedures.



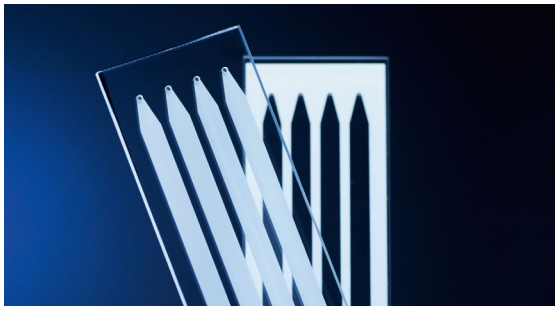
Pre-Scoring

To meet the growing demand for particularly small substrates, we offer a variety of standard-sized substrates, pre-scored into the final chip size. This solution enables comfortable and cost-effective handling in convenient sizes, which provides separation at any step of the process chain. These substrates are available with all NEXTERION® standard coatings as well as custom coatings.



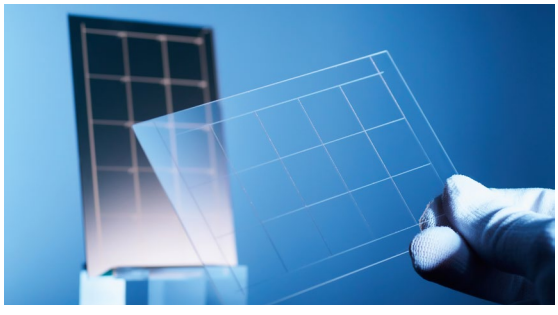
Structuring

With our extensive experience in high-technology glass processing and a variety of in-house capabilities and facilities, we are well-positioned to support you with tailor-made solutions for all of your microfluidic applications.



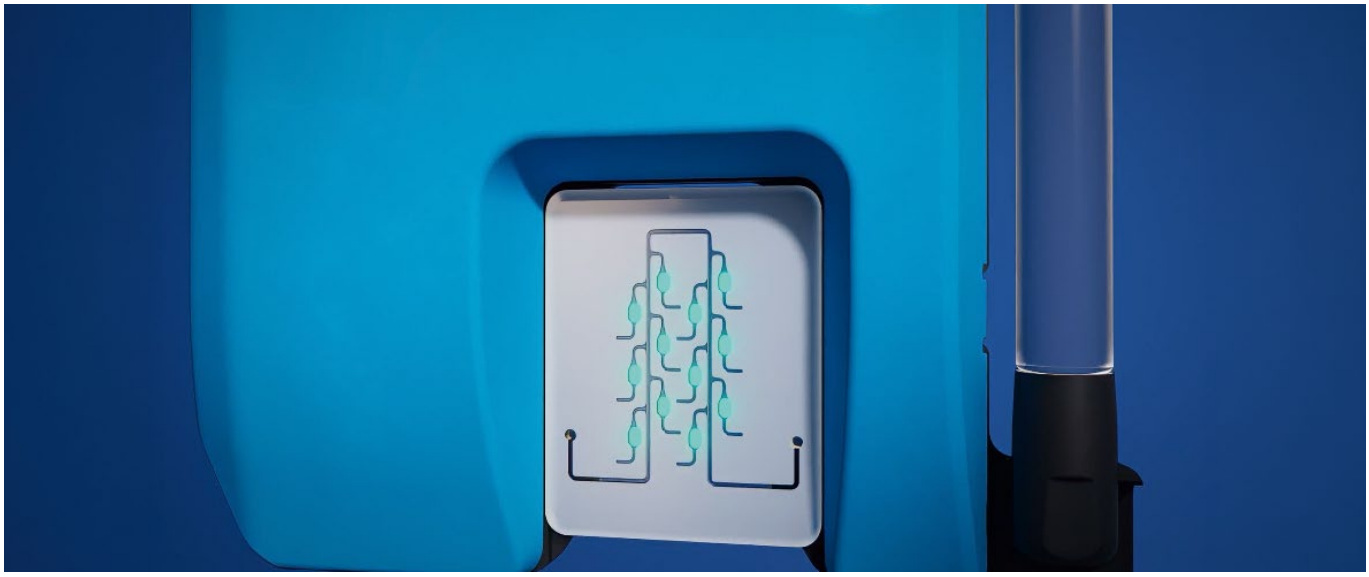
Microfluidic

We provide modular microfluidic solutions for diagnostic and life science applications, covering design, development, and manufacturing. Our validated library of design modules enables rapid configuration, application-specific adaptation, efficient integration, iterative development, and scalable manufacturing – bridging standardized components with customized designs.



Coating

We offer a broad portfolio of organic and inorganic coating chemistries, enabling tailored, thin-film surface solutions for glass substrates, 3D geometries, and microfluidic channels – ranging from standard NEXTERION® functional coatings to fully customized solutions, supported by in-house technologies for flexible development and scalable manufacturing in diagnostic and life-science applications.



Partner with a trusted, global CDMO

SCHOTT MINIFAB is your proven partner in contract design, development, and manufacturing for diagnostic and life science consumables. As experienced material experts we understand the hurdles in bringing novel innovations to full commercialization. Our established processes and flexible global infrastructure are designed to help meet your performance, quality, and cost requirements.

Discover how you can seamlessly transition from development to manufacturing and accelerate your product journey to get your product to market, faster.



Germany

- Global competency center for glass solutions
- EMEA sales & support

USA

- Global competence center for surface treatments, bioscience, and spotting processes
- North America sales & support

China

- Global competency center for customer technology service

Australia

- Global competency center for product development, new product introduction, and polymer solutions
- APAC sales & support

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60016 ENGLISH 06/2026 kn/nino Printed in Germany