




Challenge glass! A Material for the Future

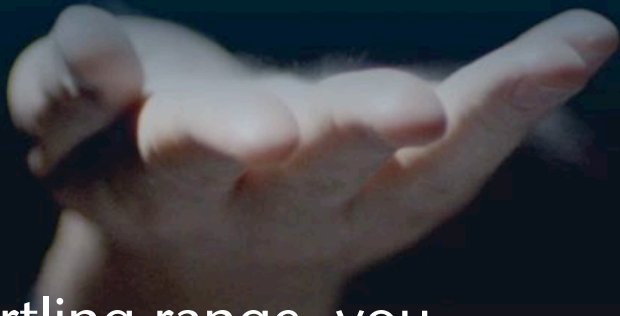
For Trendsetters and Innovators



For many of today's challenges, glass can contribute to tomorrow's solution

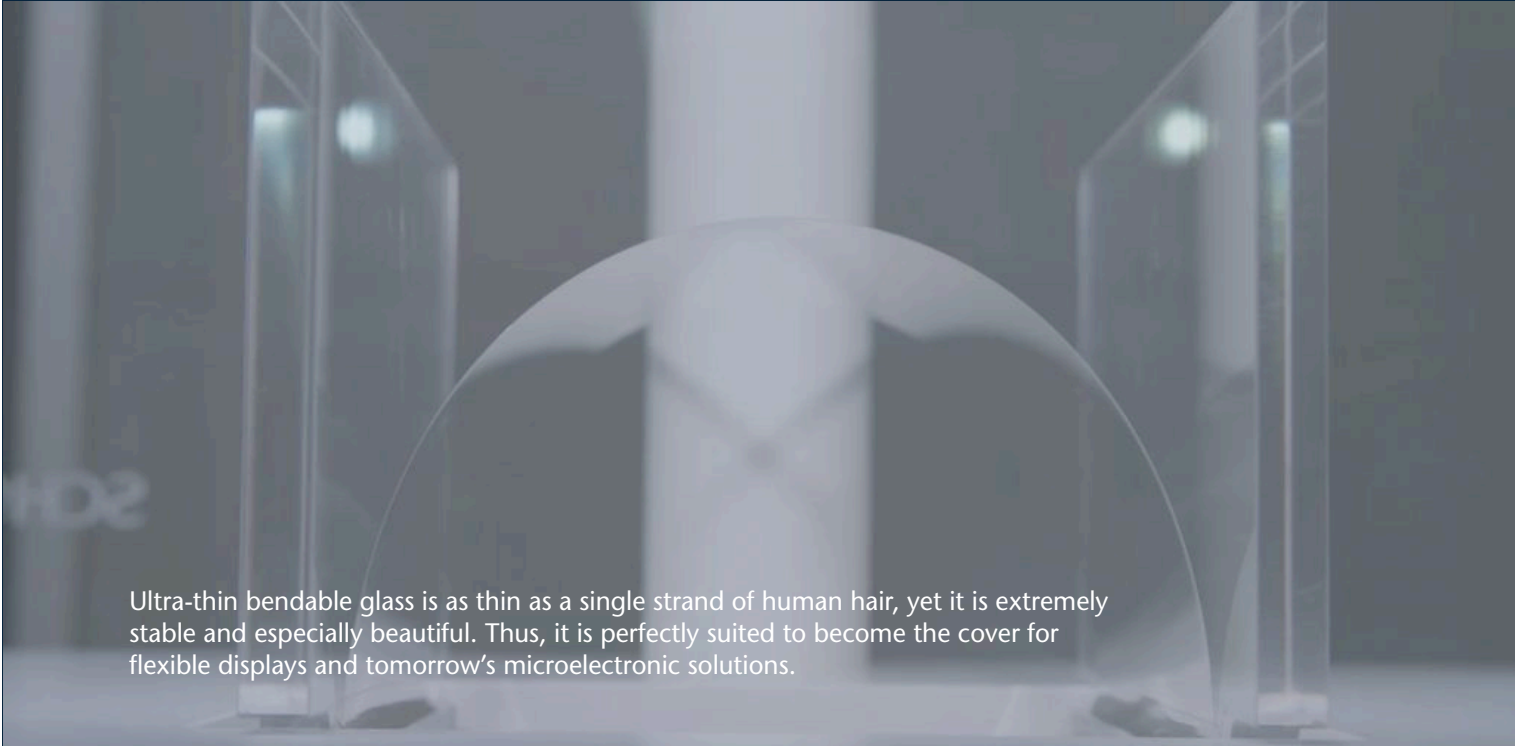
Are you facing a challenge with something you are currently developing? Perhaps speciality glass, glass ceramics or composite material is the perfect solution for you!

Thanks to the special properties of glass, SCHOTT has been able to implement many innovations already. In fact, we are currently working on the next round of new innovations!

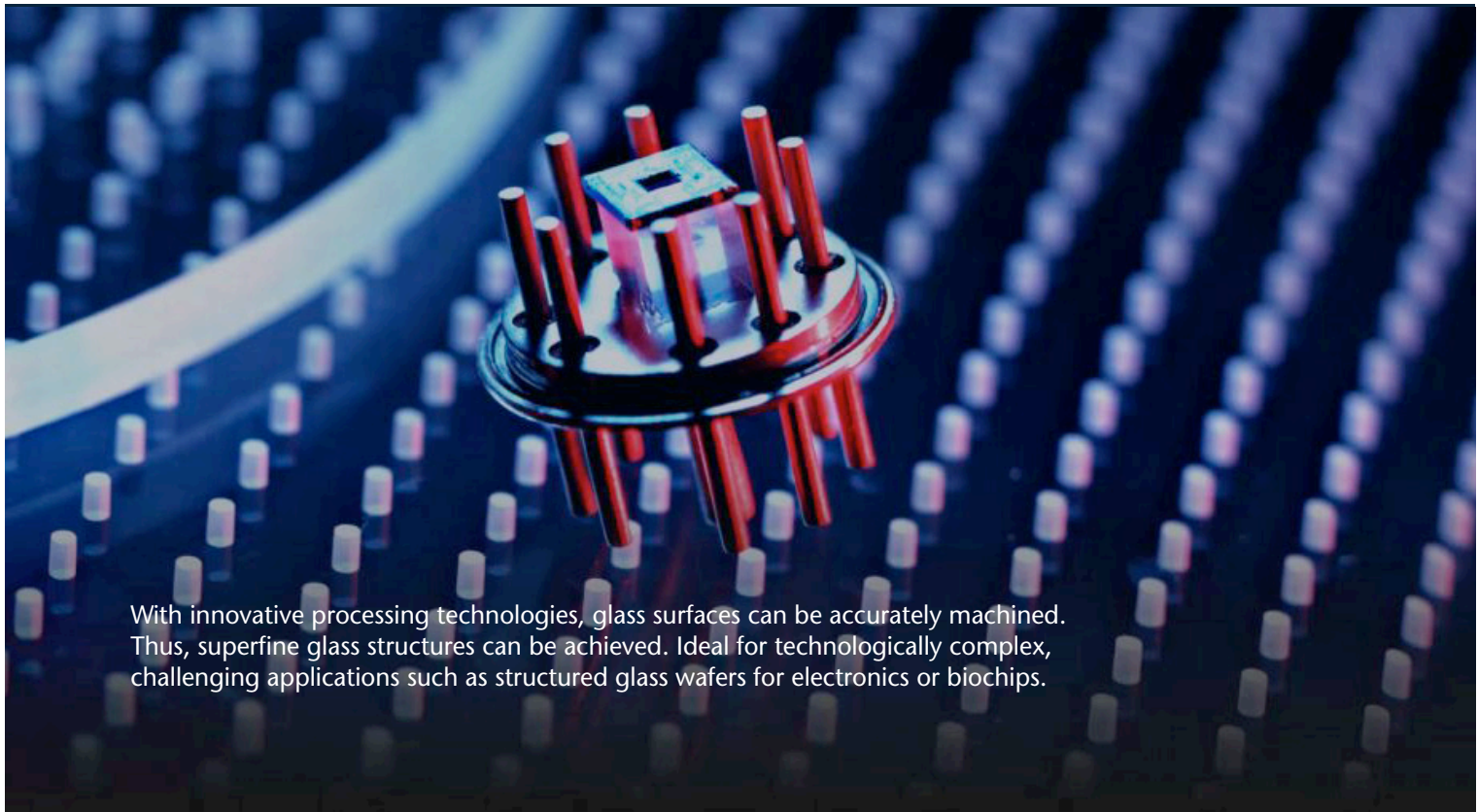


With startling range, you can create something entirely new!

Combining specialty glass and polymers: By using custom glass powder with special functions as an additive, polymers and other materials gain additional features.



Ultra-thin bendable glass is as thin as a single strand of human hair, yet it is extremely stable and especially beautiful. Thus, it is perfectly suited to become the cover for flexible displays and tomorrow's microelectronic solutions.



With innovative processing technologies, glass surfaces can be accurately machined. Thus, superfine glass structures can be achieved. Ideal for technologically complex, challenging applications such as structured glass wafers for electronics or biochips.

Rethinking glass: For all that seems possible and impossible.

Glass offers innovative solutions for numerous ideas and projects. It enjoys having the most versatile properties imaginable, which can be changed and adapted as is required. Thus, there is a high potential for innovation, which can lead to entirely new application areas coming into use. It is what makes glass one of the most versatile materials for the future.

Maximize the innovative potential which glass has to offer.

Material Development

Designing materials for today's and tomorrow's customer needs: optical and technical glass, glass ceramics and special materials e.g. powders, ceramics, sol-gel...

Melting

New and optimized processes/technologies: for melting special glass and glass ceramics via lab experiments, test bed facility and modeling.

A close-up photograph of a glass bottle being formed in a hot mold. The glass is glowing orange and yellow from the heat, and the mold is a dark, textured material.

Hot Forming

Expert for hot processes after melting: especially forming processes of glass directly from the melt and reshaping of glass by reheating.

A photograph showing a glass surface being coated. The surface is covered in a fine, white, powdery substance, and the background is a bright, hazy blue.

Coating Development

Development of new functionalities for glass and glass ceramics via advanced coating and surface modification which allows glass to be more transparent, harder and scratch resistant.

A photograph showing a laser beam being used to process a glass surface. The laser is a bright blue line, and the glass is a dark blue color.

Laser Processing

Identification, development and adoption of unique processing technologies: for cutting, structuring, shaping, joining or modifying edges and glass bodies; for filamentation and ablation, laser-induced scribing and cleaving, bending (uniaxial or multiaxial- 3D), intrinsic decoration, marking and layer structuring.

Challenge glass! Challenge us!




The SCHOTT Opportunity Lab allows easy access to the experts of anything having to do with glass.

Contact us at:

opportunity.lab@us.schott.com



Links

-  [Discover Ultra-Thin Glass](#)
-  [More about glass powders](#)
-  [SCHOTT FLEXINITY™-Structured Glass Solutions](#)