

Glass – a Material for Microtechnology

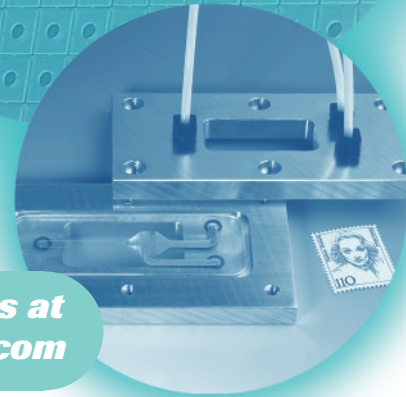
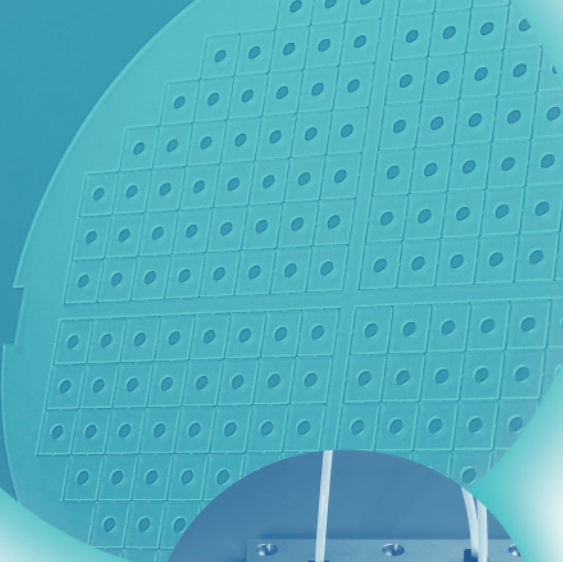
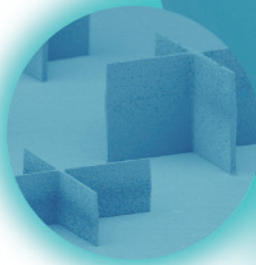
Glass is an optically transparent, temperature-resistant and chemically stable material. These properties make it very interesting for many applications in the field of microtechnology.

What does microtechnology mean?

The term “microtechnology” is used to describe a field of development incorporating integration of the most varied functions (electronics, chemistry, acoustics, optics, mechanics, biology, etc.) in hybrid and also in monolithic components in the smallest possible space.

What are the advantages of glass?

material to compare	advantages of glass
Metal	<ul style="list-style-type: none"> • better corrosion resistance • higher electrical isolation • hardness • lower thermal conductivity • better biocompatibility • transparency
Silicon	<ul style="list-style-type: none"> • variety in forms and sizes • considerably higher breaking strength • less expensive to adapt • better biocompatibility • transparency • lye-resistance
Ceramic materials	<ul style="list-style-type: none"> • transparency • easier structurization • simpler inter-connect
Plastics	<ul style="list-style-type: none"> • retains its shape better • better temperature resistance • chemically more stable • better electric resistance • better optical quality • less expensive prototyping



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www.mikroglas.com

Use the advantages of glass for your applications!

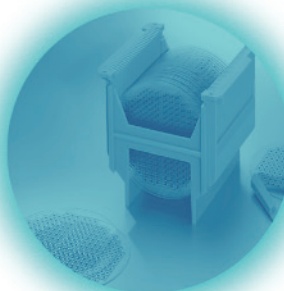
What can we do for you?

mikroglas combines the innovative knowledge of the fast-growing field of microtechnology with expertise in traditional glass technology. We develop and manufacture many products and components out of photostructurable glass for various applications in microtechnology.

We generate structures (holes, grids, channels, etc.), develop individual system solutions and supply glasses for your own structurization.

Let's talk about your application!

What are mikroglas products used for?



- Biotechnology
- Microreaction technology
- Sensors and electronic technology
- Display technology
- Optics



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