

**Microtechnological
Products and Components
Made of Glass for Applications in**

Displaytechnology

mgt mikroglas technik AG develops and manufactures products and systems made of various glasses, e.g. FOTURAN®, for a large variety of applications in displaytechnology.

mikroglas combines its innovative knowledge and expertise to develop components with smallest structures (holes, grids, etc.) with a high aspect ratio.

Together with you **mikroglas** will find individual system solutions so that functionality and design come up to your requirements.

What components does mikroglas develop and manufacture for displaytechnology?

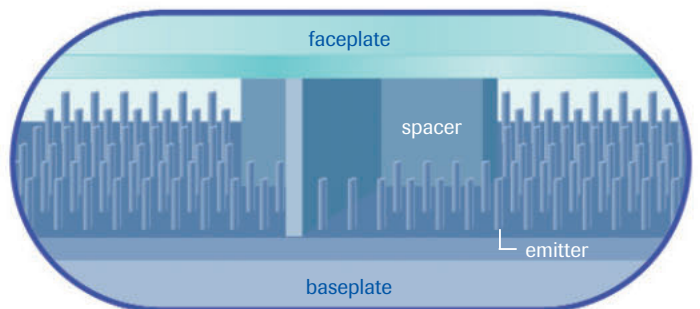
- spacers for FED's
- components for X-ray scanners
- components for plasma screens

What are the advantages of glass for FED's?

Requirement FED	FOTURAN®
high voltage	high electrical insulation
vacuum between faceplate and baseplate	mechanical stability
not visible spacers	small structures with high accuracy

Please visit our homepage!

Field Emission Display



Examples of structures

hole plates for plasma screens

shape: round or rectangular
diameter: down to 30 µm
thickness of plates: 0.1 up to 2.5 mm
max. No. of holes per mm²: 500

spacer with grid structure

height of walls: 100 µm up to 2 mm
width of walls: down to 20 µm

cross shaped spacer (FED)

e.g. height: up to 1 mm
e.g. width: down to 50 µm



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