

FLEXINITY®

SCHOTT's innovative structuring portfolio for Thin Glass Wafers and Sheets – *even tighter now*

With FLEXINITY®, SCHOTT is offering an innovative portfolio of structured glass substrates which offers highly accurate and versatile features. The availability of several glass materials in a wide range of thicknesses, enables SCHOTT to provide customized solutions for a vast variety of applications.



Broad range of glasses



Wide spectrum of dimension



Vast layouts



Outstanding tolerances



Small structuring element

SCHOTT
glass made of ideas


FLEXINITY®

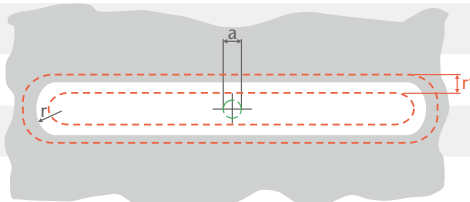
Specifications

Available glass types and specifications for structured substrates below:

D 263® Family	MEMpax®	AF 32® eco	BOROFLOAT® 33
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Standard structuring capabilities*

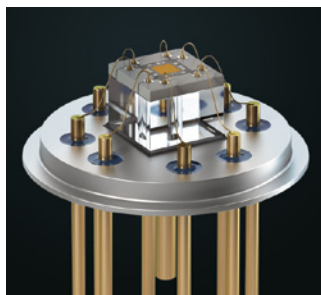
Thickness range (depending on glass type)	0.1 – 3.3 mm
Format	Max. 600 mm in diameter 
Layout	Through structures according to customer specifications
Structuring radius (r)	Down to 25 µm
Minimum dimension of structure element	100 µm
Feature size tolerance (r')	< 20 µm (equiv. ± 10 µm)
Wall taper angle	90° ± 0.5°
Edge exclusion zone	≥ 3 mm
Position tolerance of features (a)	< 20 µm (equiv. ± 10 µm)
Bridge width between structure elements	Down to 100 µm



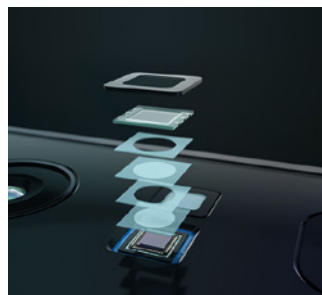
* Limitations in feature design and demands deviating from these capabilities will be evaluated upon request

Applications

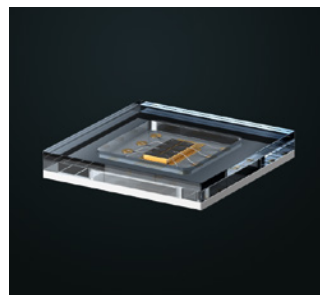
As miniaturization is a key driver in many technologies, materials and components that combine accuracy and strength at an affordable cost are essential. FLEXINITY® has the technical capabilities for a variety of automotive and industrial uses, from imaging and sensing to optoelectronics and diagnostics.



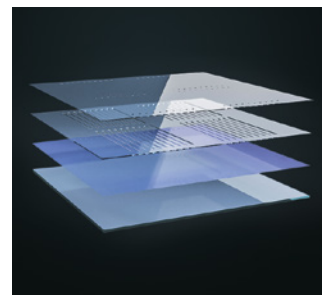
Automotive



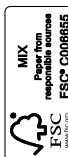
Mobile communications



Optoelectronics



Diagnostics



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