

The Clear Solution for Your  
Success – Highly Transparent  
Flat Glasses from SCHOTT



**SCHOTT**  
glass made of ideas

# SCHOTT – Expertise that meets your demands

You can rely on SCHOTT. You will be able to translate your ideas into reality, because our products are based on your specific requirements.



SCHOTT stands for quality, expertise and innovation. You'll benefit from the role we play as a pioneer when it comes to numerous market-oriented innovations that are the result of broad, application-specific research and development work.

We owe our position as a leading supplier of innovative solutions to our state-of-the-art glass research centers located in Mainz, Germany and Duryea, Pennsylvania (US). To satisfy our customers, we are present with manufacturing and sales units all over the world.



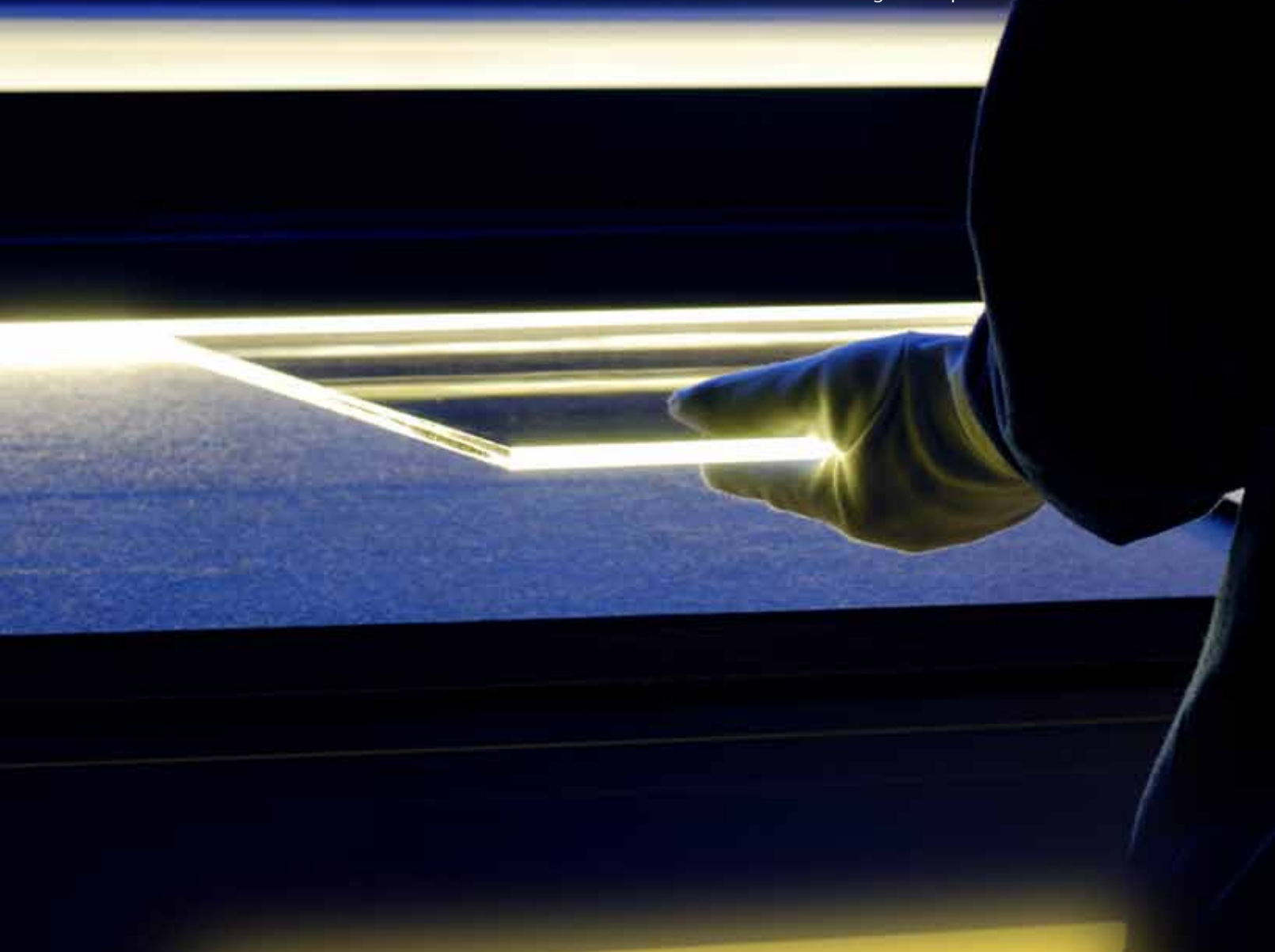
A global team of skilled employees, a broad variety of manufacturing techniques, state-of-the-art technology, as well as technically mature measurement techniques and monitoring systems all guarantee that you'll receive the unique, high quality that you require.

Due to the various melting tanks we have available and our sophisticated understanding of product refinement, we are able to serve you with a high degree of flexibility.



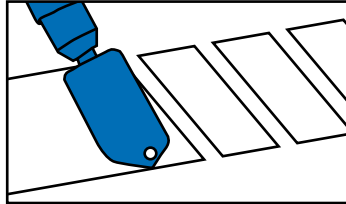
SCHOTT offers glasses that range from thin glasses to special glasses and glass-ceramics for household use (Ceran® glass-ceramic panels, for example) and pharmaceutical packaging. We also offer a variety of special glass and glass-ceramics for architecture and design, including fire-rated glasses and glass-ceramics, as well as photovoltaic solutions.

B 270®, AF 45 and AF 32, D 263 T, D 263 LA, D 263 M and Microcrown are flat glasses for use in opto-electronics and biotechnology, for example. All of these glass products are produced using the drawing technique.



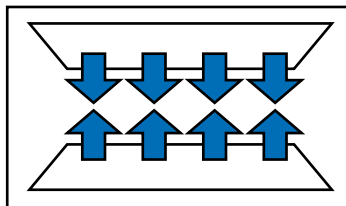
# The clear solution is flat glass from SCHOTT.

Share your needs with us. Together, we'll find the right solution that will lead to your success.



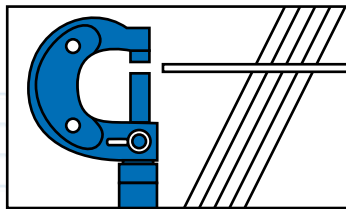
## Trouble-free processing

Due to closely controlled temperatures during the production process, we achieve exceptionally high surface smoothness with our flat glasses. The advantage for you is that our products can be cut extremely well.



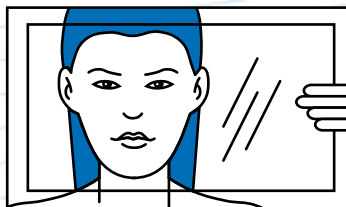
## Ready for coating

Excellent adhesion results from the smooth, even surface of our products. This is absolutely essential for any additional applied coatings.



## Precise direction of light

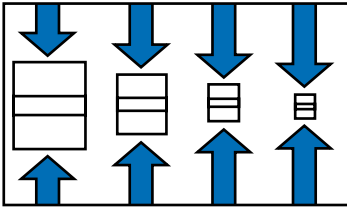
Due to our sophisticated measurement techniques and thickness monitoring, our products are known for their consistently high quality. This is why we can also guarantee you high precision when it comes to guiding light.



## Perfect reproduction of color and images

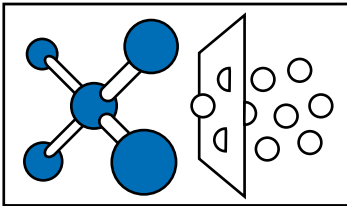
Are you in need of perfect transmittance? The high batch quality and raw materials results in optical homogeneity and, thus, makes it possible to deliver first class reproduction of colors and images.





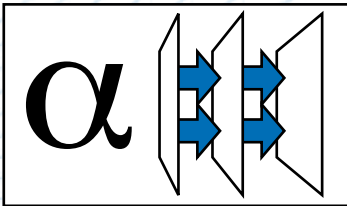
### Miniaturization without new material qualifications

A variety of tank sizes provides us with flexibility and enables our drawing process to accommodate various thicknesses. This ensures that you can always rely on the same high quality you've become accustomed to.



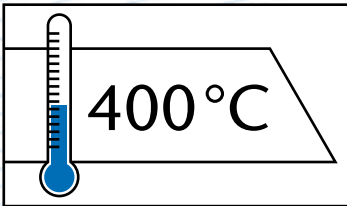
### High durability

Flat glasses from SCHOTT are known for their high chemical resistance. Characteristics such as solarization stability and high permeability, particularly when compared with plastic, are certain to convince you.



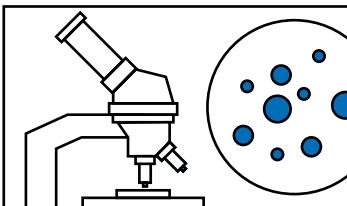
### Stress-free bonding

We offer flat glasses with appropriate coefficients of expansion to meet the various coefficients of expansion of composite materials, including, for example, ceramic and silicon.



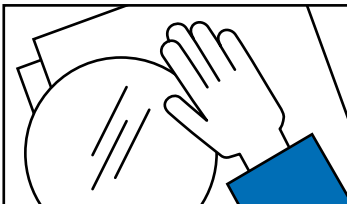
### Suited for the reflow technique

Thanks to their excellent thermal resistance, flat glasses from SCHOTT stand up to temperatures of up to 400 degrees Celsius. For you this means that they can be easily used with the reflow technique.



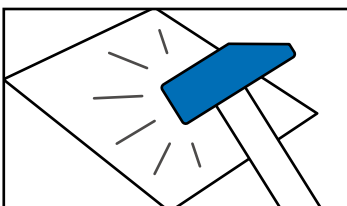
### Valid and reliable research results

The low primary fluorescence and high chemical resistance make an important contribution towards achieving reliable test results. Scientific essays even attribute better cell growth to flat glasses from SCHOTT.



### All you need from a single source

When it comes to processing, you can rely on our expertise. We offer everything from cutting, edge processing, and laser marking, from a single source.



### Excellent breaking strength

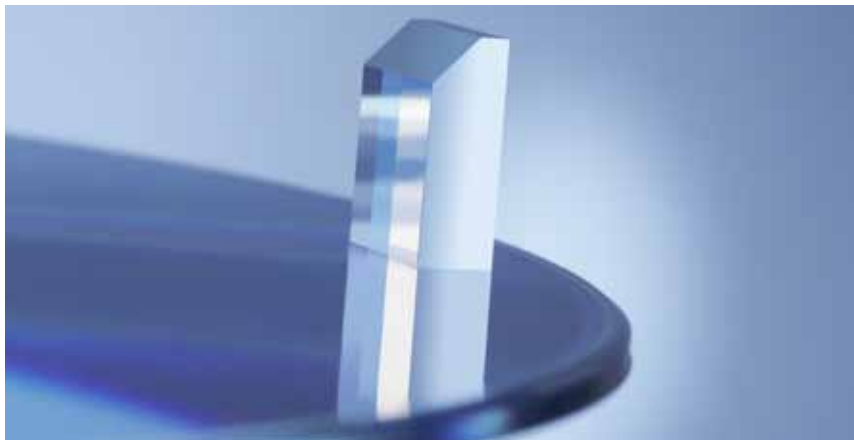
The new Mobile Cover Glass has got an extraordinary breaking strength. So it is perfect for frequently touched screens made of thin glasses, for example for mobile phones, navigation systems or play stations.



Your Ideas + Our Glass =  
The Clear Solution for  
Your Success!

# Sample Applications

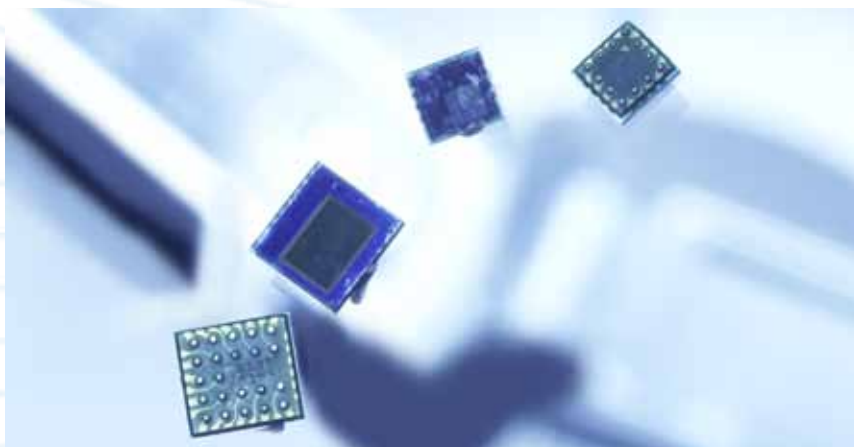
Here, you'll find only a few exciting examples of ingenious solutions that incorporate flat glasses from SCHOTT.



Optical components for CD and DVD players, as well as digital projectors, made from the highly transparent B 270™ glass guarantee high image quality.



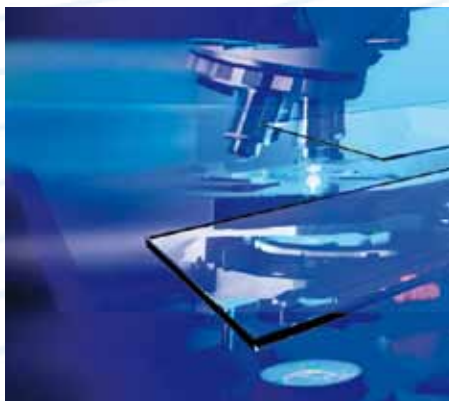
Precise touch panel solutions rely on D 263® T eco thin glass for resistive types and B 270™ water-white glass for surface acoustic wave types.



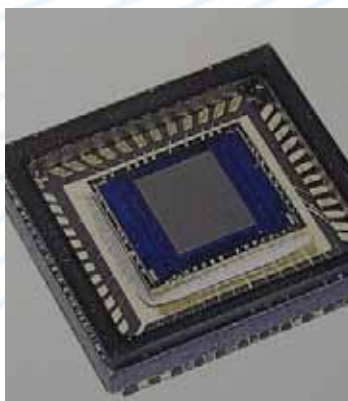
Our thin glasses D 263® T eco and AF 32® eco provide excellent optical solutions in camera modules for cell phones, either as cover glass for image sensor packaging or as a substrate for coated IR-cut filters.



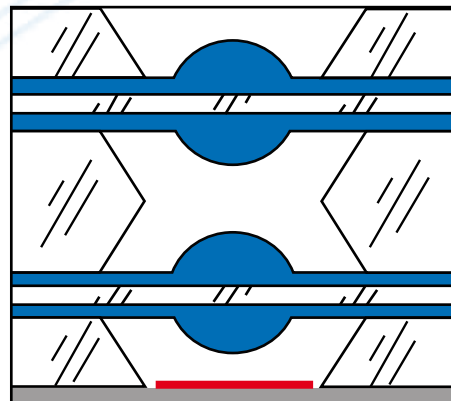
D 263® T eco thin glass is often used by the automotive industry to achieve highly reliable and long lasting sensors.




D 263® M eco thin glass used for cover slips and Microcrown used as slide glasses ensure reliable microscopic examinations.



Because it has a very low alpha count, D 263® LA eco glass is especially well suited for use in packaging CCD image sensors. It is the only low-alpha radiation glass available in sheet form.



Our glasses are available in many thicknesses with narrow tolerances. By processing our glasses into wafers with and without structures, we offer ideal solutions for micro-optics at the wafer level.



If you are interested in receiving  
data sheets on individual glass products,  
please contact ...

Advanced Optics  
**SCHOTT AG**  
Hattenbergstrasse 10  
55122 Mainz  
Germany

Phone: +49 (0) 6131 / 66-1812  
Fax: +49 (0) 3641 / 2888-9047  
info.optics@schott.com  
[www.schott.com/advanced\\_optics](http://www.schott.com/advanced_optics)

Advanced Optics  
**SCHOTT AG**  
Hattenbergstrasse 10  
55122 Mainz  
Germany

Phone: +49 (0) 6131 / 66-1812  
Fax: +49 (0) 3641 / 2888-9047  
info.optics@schott.com  
[www.schott.com/advanced\\_optics](http://www.schott.com/advanced_optics)

**SCHOTT**  
glass made of ideas