

PRESS RELEASE

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Innovative Encapsulation Glass for OLEDs

Berliner Glas manufactures structured, thin glass plates made of soda-lime glass for encapsulating organic displays.

The plates are produced according to customer specifications with a maximum width of 420 mm.

The products offer the following advantages compared to the use of metal caps, for instance:

- Multiple-use processing, eliminating the need for pick & place processes for individual caps
- Possible use of UV-hardening adhesive systems for joining the display substrate and the encapsulation glass
- Division of the glued, multiple-use products into single pieces by cutting/breaking
- The same thermal coefficient of linear expansion for the display substrate and the encapsulation glass
- The encapsulation glass is highly impermeable to steam and oxygen
- A great amount of freedom for designing the cavities; non-uniform depths can also be produced
- Integration of defined, open areas (openings), e.g. for electrical contact creation
- Cavities: Tight form and position tolerances for the cavities
- Registration marks for finding a position on the display substrate can be integrated
- A high planity of the plates offers the best possible prerequisites for a very thin adhesive joint ($\leq 10\mu$)

Berliner Glas is offering an economical and industrially useful encapsulation approach with important benefits for the customer with this product for the OLED industry.

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