

PRESS RELEASE

OTB Display announces technological breakthrough for Thin Film Encapsulated OLEDs

Eindhoven, The Netherlands - January 16, 2007 - OTB Display BV [www.otbdisplay.com], a subsidiary of OTB Group BV, today announces that it is able to produce thin film encapsulated OLED devices that meet the shelf-life requirements for commercial use. Not only are these displays manufactured on OTB's in-line mass manufacturing equipment, but also the deposition of the thin film encapsulation has been proven to render the same optical performance as the conventional, more expensive glass-can encapsulated devices.

Barry Young, senior vice president at DisplaySearch, states: "Compared to conventional glass can encapsulation methods, thin film encapsulation substantially reduces costs by eliminating expensive parts such as glass cans, getters and epoxies. Furthermore, thin film encapsulated devices are much thinner, lighter and make more efficient use of the glass substrate, providing the most viable route towards flexible OLED displays."

Bas van Rens, CEO of OTB Display, explains: "Our integrated in-line mass manufacturing equipment now routinely produces displays which pass the accelerated shelf life of 504 hrs at 60°C / 90% humidity. In our development program we observe rapid progress and we expect to be able to announce shelf lives exceeding 1000 hours at 85 °C/ 85% this year"

OLED devices, which are considered the display technology of the future, are currently used as displays for MP3 players, cell phones and other small/mid-sized applications. Compared to LCD, they combine superior viewing angles and response times with lower power consumption and higher color saturation. In general OLED devices degrade when exposed to air and water, hence a hermetic sealing from the environment is required. OTB uses a multilayer stack for this sealing, which enables low cost mass-production of OLED displays.

About OTB

OTB Display designs and manufactures in-line production equipment for OLED (PLED and smOLED) display manufacturing. Additionally, OTB Display offers turn-key solutions comprising equipment processes, display designs and a wide variety of services. The in-line equipment makes cleanrooms obsolete and guarantees high yields with low tact time and minimal operator requirements. This leads to significantly lower production costs as well as reduced upfront investments. OTB Display offers its turn-key solutions globally through sales and service organizations in Europe, USA and Asia.

For additional information, please contact OTB Display or your local OTB Display Sales/Service office.

Bas van Rens
CEO
OTB Display

tel. +31 40 2581 622
fax. +31 40 2509 872
bas.van.rens@otbdisplay.com

www.otbdisplay.com

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