

[Provisional Translation Only]

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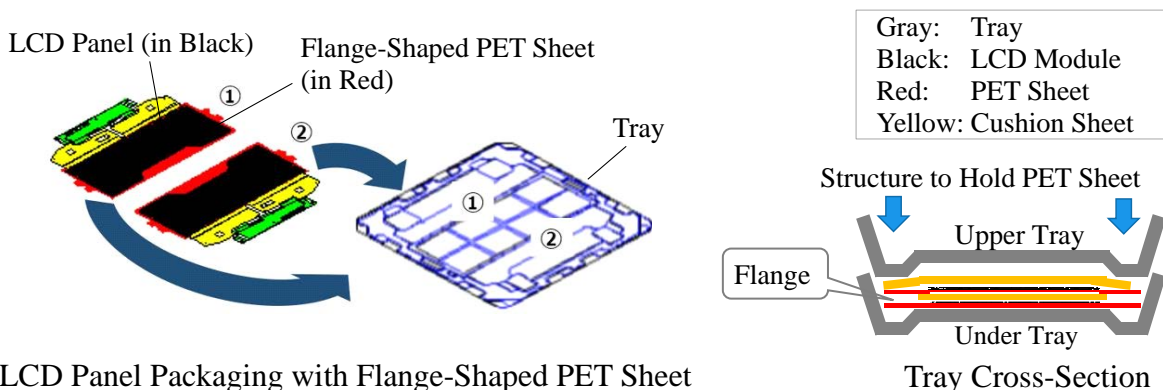
JDI Wins Japan Special Logistics Environmental Award

JDI has jointly received the Special Logistics Environmental Award at the 25th Logistics Environment Awards hosted by Japan Association for Logistics and Transport. The award recognizes JDI’s collaborative effort with SBS Toshiba Logistics Corporation (“SBS Toshiba”) in developing improved packaging specifications for its LCD modules and contribution to the advancement of the logistics industry by reducing environmental impacts.

LCD modules are composed of a very thin glass substrate panel and electronic components such as IC chips. Because they are prone to cracking and wire breakage due to vibration and impact during transportation, it is important to protect both the panel and the electronic components in packaging. The panels are made with ultra-thin glass that have structurally weak areas, and these areas tend to crack easily when the panels are stacked. Therefore, it is common practice to store one module per tray, resulting in very low transport efficiency.

To address this issue, JDI reviewed the product structure and packaging approach based on a Design for Logistics (DFL) perspective that it applied systematically from product planning through the manufacturing process. As a result of reevaluating its packaging, JDI and SBS Toshiba have developed a design where a PET (Polyethylene Terephthalate) flange-shaped sheet is adhered to the panel to improve product retention, shock resistance, and screen protection.

JDI’s approach makes it possible to reduce the use of foam cushioning materials in packaging and to store two modules in one tray, reducing packaging materials, improving transportation efficiency, and reducing CO₂ emissions by 36% during transportation compared to conventional packaging. (Estimated CO₂ emission reduction: c. 21t-CO₂/year)



LCD Panel Packaging with Flange-Shaped PET Sheet

These new packaging specifications reduce the usage of plastic materials through the reduction and simplification of packaging. JDI's joint award with SBS Toshiba recognizes the two companies for their contributions to reducing environmental impact in the logistics field.

JDI is proud to be recognized for its activities to reduce environmental impacts, and will continue to work to reduce its CO₂ emissions and efficient use of resources.

About Japan's Logistics Environmental Awards

These awards were established in June 2000 by the Japan Association for Logistics and Transportation to recognize organizations, companies, and individuals who have contributed to the healthy development of logistics by promoting environmental conservation and raising environmental awareness in the logistics sector.