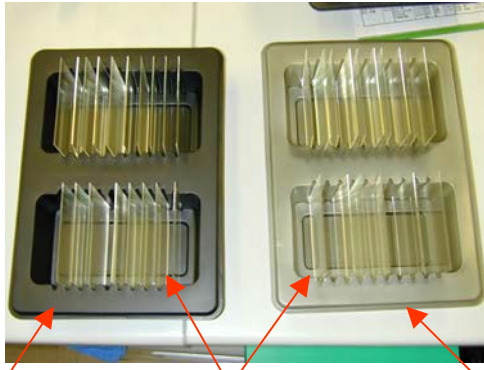


Abrasion Test Comparison of Electron LIFEL Sheet Tray and Printed PS Tray



LEC-21 tray

Light guide plates

Conventional (printed PS) tray

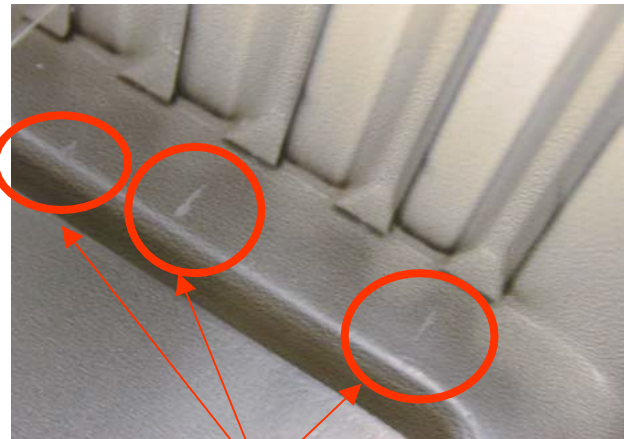


Trays are placed in a vibration-testing machine

Light guide plates are placed in the trays

State of Samples Before Test

Tray bottom

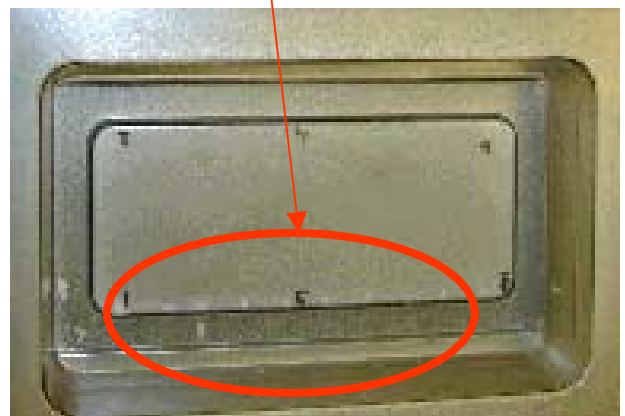


Scratches from vibration (print is coming off)

Tray lid



Before



After

Tray Before and After Test (Printed PS Tray)

Tray bottom



No scratches after test

Tray lid



Before

After

Tray Before and After Test (LEC-21 Electron LIFEL Sheet)

Test Conditions

- (1) Test trays: conventional tray (carbon printing on PS sheet), LEC-3 tray (n=1)
- (2) Vibration-testing machine: shaker with 1 Hz, amplitude 50 mm
- (3) Vibration direction: in vertical direction to trays (same direction as engine vibration during transportation)
- (4) Test duration: 48 hours (172,800 vibration cycles)
- (5) Equivalent transport time: approx. 2,000 km (equivalent to two hours of the JIS transport test)

Note: One hour of the JIS transport test assumes 100,000 vibration cycles for 1,000 km.