

iMiD 2026

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Exhibitor Introduction	ELP is a specialized metrology and inspection company expanding its business from OLED display inspection into next-generation MI (Metrology & Inspection) solutions. Based on its accumulated expertise in electrical driving, measurement, and inspection technologies, ELP integrates high-resolution vision and optical inspection capabilities to support defect detection, image-quality evaluation, and process analysis in advanced display manufacturing. In the XR device field, ELP is developing inspection technologies for CMOS backplanes, emissive pixels, waveguides, lenses, and optical engines, targeting LEDoS/OLEDoS-based ultra-high-resolution displays . ELP is also advancing non-destructive tomography inspection for in-process pattern and structural defect analysis. In advanced semiconductor packaging, the company is developing inspection technologies for glass interposers, including RDL/TGV inspection , as well as CPO -related metrology technologies. Through integrated electrical inspection, optical metrology, vision inspection, and non-destructive analysis, ELP aims to become a trusted MI technology partner for global companies commercializing XR devices and glass interposer-based advanced packaging.	

Exhibit Description

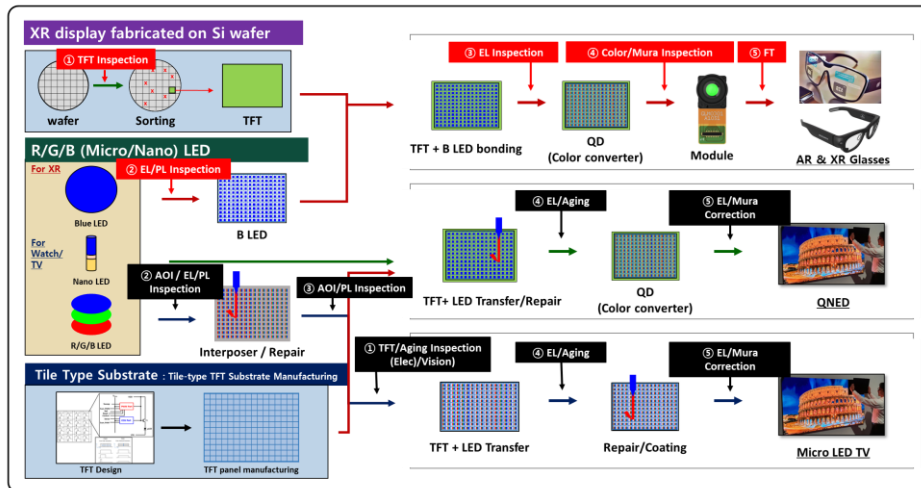
OLED & Micro LED Inspection Technology / XR Device Manufacturing Inspection Technology / Glass Interposer (TGV) & CPO Inspection

Exhibit Product

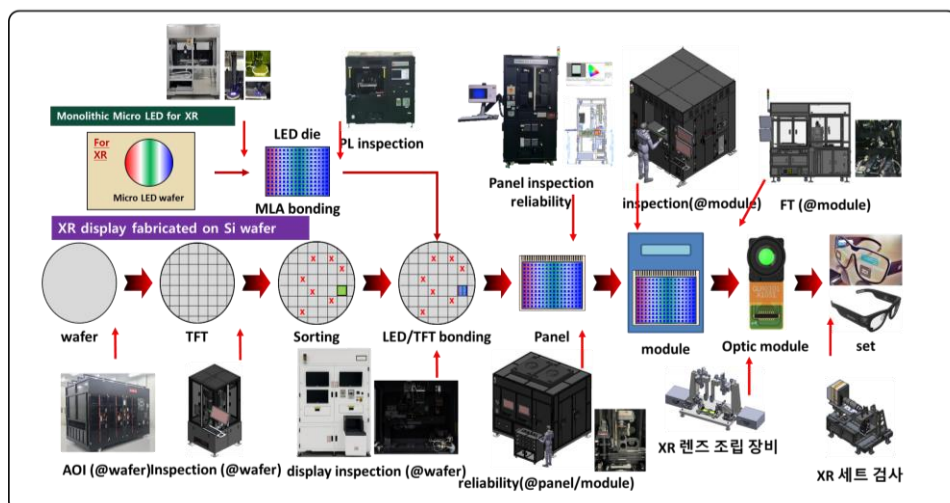
XR inspection Technology

- ELP has established metrology and inspection (MI) technologies for u-LED displays and has built a strong foundation in XR inspection.
 - LEDoS display inspection technology development completed
 - Inspection systems supplied to leading global technology companies
- Commercialized XR inspection solutions

Commercializing MicroLED Inspection Equipment Since 2019



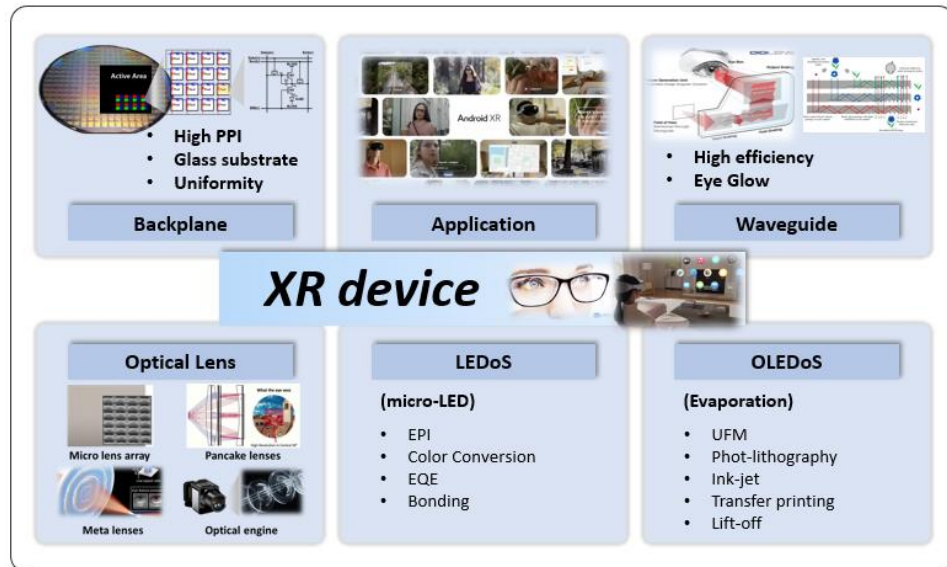
MicroLED Technology Portfolio



LEDoS Process Flow and ELP Equipment Portfolio

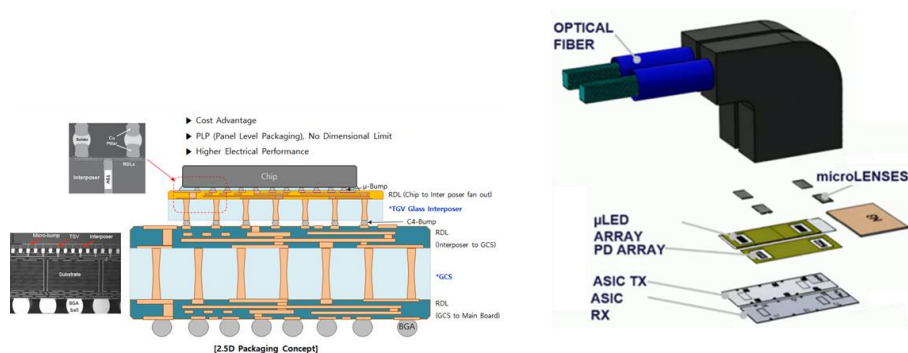
- ELP provides inspection solutions for key XR display components and manufacturing processes.

- Backplane inspection
- LEDoS & OLEDoS pixel inspection
- Waveguide inspection
- Optical engine inspection
- Next-generation MI technologies



XR Device Core Technologies and ELP Development Roadmap

- ELP is developing advanced MI technologies for future XR and high-performance semiconductor applications.
- Glass Interposer: RDL / TGV inspection
- Co-Packaged Optics (CPO): high-density integration, high-sensitivity detection, signal amplification
- High-frequency communication modules: Rx/Tx sensors, high-speed analog circuits
- Precision control and modulation technologies



Glass interposer & CPO