Case Study

SMT Assembly Machine

Open Frame Touch Monitor (OM)



Background

Application: SMT Assembly Machine
Industry: Manufacturing

Location: APAC

A customer in the industrial equipment field was seeking a more flexible industrial display solution provider to replace the existing HMI of the assembly machine at the production line for effortless system control and maintenance. In the meantime, all the models should pass specific testing and certification to meet the criteria of the deployment area.

Project Requirements

To address the pain points, it calls for easily integrated monitors with Certificated Electromagnetic Compatibility (EMC) testing and Electrostatic Discharges (ESD) protection (contact +/ 8KV and air +/ 4KV) in secure device safety. Another challenge with the original model is that the On-Screen Display (OSD) button is difficult to access, complicating any necessary adjustments or settings changes.

- Mechanical Design
- Panel Sourcing
- Testing Certification
- Value-Added Service
- Robust Design

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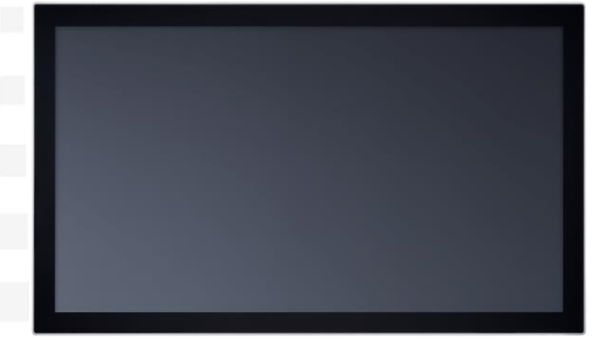
Solutions

Project Requirements	Our Solutions
# 1. Flexible integration with existing equipment	Open frame monitor with customized mechanical design
# 2. Specific testing & certification	Certificated EMC and ESD Class B testing
# 3. On-Screen Display (OSD) button optimization	Shift from the rear side to the bottom for display setting adjustment without disassembly

Application Diagram



Surface Mount Technology (SMT) Assembly Machine





EMC

ESD

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Benefits

Touch monitors in SMT Assembly Machines simplify operations with real-time visual feedback, boost efficiency by enabling quick access to maintenance features, and minimize errors through intuitive troubleshooting guidance—making them indispensable in modern electronics manufacturing. Our versatile, one-stop industrial display solution streamlines the entire process, giving your business a competitive edge.

- Comprehensive industrial monitors and panel PC lineup
- Flexible value-added service and customization options
- Trusted quality and product longevity
- Global technical support and worldwide offices

Why ADLINK

“Industrial Display Leading Provider”



Solid-Built Product Quality



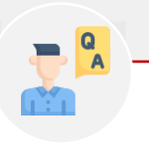
Save Considerable Total Cost of Ownership



Being Fast Time-to-Market



In-house value-added customization



One-stop solution service with our experts



Partnership with Leading Panel Provider

Engage an Expert | More Products | Global Service

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