

CASE STUDY



MARKET SEGMENT

Factory Automation

APPLICATION

Testing line for Electronic devices manufacturing

PROJECT BACKGROUND

Automation of a testing process for various devices, consisting of 24 different testing stations.

CUSTOMERS PAIN POINTS/NEEDS

- High cost of hiring working for manual testing and recording.
- Manual testing line had limited capacity.
- Manual testing time consuming.
- Large amount of space required for operation.

APPLICATION REQUIREMENTS

- Installation of robotic testing solution including a high-performance touch screen interface.
- Clear visibility of process status and data.
- Integration of display into industrial PC
- Shallow mounting depth of panel mount display.

ADVANTECH'S SOLUTION

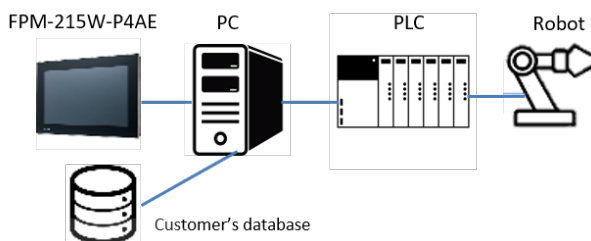
The overall solution called for the installation of a robotic testing cell, which incorporated a range of devices including an Industrial Touch Screen Monitor, Industrial PC, PLC and Robot. An Advantech FPM monitor was installed as it offered several key benefits for the application:

- Slim, no-bezel design enables simple installation and cleaning.
- Presented a cost-effective solution vs traditional PLC HMI.
- Touch screen with glass surface and capacitive touchscreen gives reliable control with fast response times.

BENEFITS TO CUSTOMER

- Large 15.6" panel increases visibility of the control system.
- 16:9 widescreen ratio increases viewing area by 40% compared to traditional 4:3 ratio displays.
- Fast delivery
- Cost effective solution

Application Diagram



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GALLERY



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