

# case study

Chipbond Technology  
ESD Scanning Solutions  
with Unitech Devices



## Industry

LCD driver IC testing and packaging service

## Application

Manufacturing

## Product

MS840P Barcode Scanner  
MS840P ESD Barcode Scanner

## Case Description

In recent years, owing to the reduction of human resources, increase in operating expense, and rising of other related issues, reducing personnel costs and minimizing operating time has become the future trend of enterprises' development. Working in a high static environment can cause invisible damage to the machines. How to ensure overall safety equipment and improve operational efficiency are two main purposes of the project.

### The reason to choose MS840P

The client's original MES posting system and process include many unnecessary segments and are time-consuming. In the beginning, all the operators of the machines had to walk to the SERVERs in the middle of the aisle, lining up to report and post. The whole process is extremely time-consuming for the plant, which is inefficient. After constant discussions and comprehensive consideration, we decided to remove all SERVERs from the middle of the aisle, and equip each machine with an MS840P scanner, so that the operators can scan on the spot after the operation and finish posting by their machines.

### Challenge & Solutions

Cleanrooms are particularly unique workspaces with special requirements for the equipment, the employees who work there, and the conduct of all who make use of them. However, the customers initially neglected the issues and chosen the general version of MS840P scanners, and each of them broke down in just two weeks due to electrostatic discharge disturbances.

Therefore, Unitech introduces ESD-safe solutions to our customers. With the Internal mixed way, the body of the ESD scanners and its cable can withstand ESD up to  $10^5 \sim 10^9$  ohms per square and no containing Chlorine material. It is a reliable tool to streamline your workflow in manufacturing environments.

### Benefit

- Improve smooth traffic flow by about 15%
- Improving overall operational efficiency by about 20%.
- Providing ESD protection that prevents client's IC packaging from being damaged by static-electricity.
- Seamless visibility to operation status-tracking information
- Real-time data collection via backend system
- Real-time exception reporting
- ESD-safe material protecting both the scanner and the client's machine
- Protection against unwanted static charges and avoid damaging to the machines



MS840P ESD Barcode Scanner