



Company: Company 1
Service: Factory Automation Solutions
Sector: Customer supplies; 10,000 +

Customer Duration: 15 years
Project Value: \$15m

Project Overview: Supporting R&d, design and deliver a high volume manufacturing line to support a new product introduction and designing flexibility to include capacity for existing skus. Also introduced a more advanced product range and updated manufacturing technologies in parallel.

Strategic Targets:

Capacity expansion and new product introduction

- Five multi-module zones added in a new 20ppm line to provide 50% extra manufacturing capacity.
- Introduced PCB attachment zone and related manufacturing processes for more advanced product range.
- Delivered new Packaging equipment to integrate with existing Pack line.
- Upgraded packaging process (from Blister Packs to Vac-formed Trays) in parallel.

Outcomes Achieved:

- Increased manufacturing capacity with improved efficiency & running costs, and better Pack utilisation.
- Introduction of more sophisticated product range (with Printed Circuit Assembly and additional advanced product features).
- Capital Avoidance: repurposed surplus cells from existing lines to minimise costs; added lower-cost “Bases / Transports” throughout the new line.
- Introduced new technologies and platforms:
 - Flexible Parts Feeding (Robotics & Vision)
 - Precision flex-circuitry placement (from Motoman to Aerotech robotics)
 - PCB Attach & Processing
- Successful FATs and SATs completed, meeting all quality and system verification standards.

Project Delivery:

- Managed all aspects of the project, from initial concept designs to delivery of tooling, buyoff and handover to customer.
- Introduced & qualified several new automation integrators for improved competition on capital acquisition and a broader supplier base.
- Detailed collaboration with customer and vendors to deliver optimised manufacturing solution.
- Project completed in 12 months from PO initiation to handover to production.

Factory Automation integrated cost effective solutions & improved technologies into existing operations