



Company: Consumer Electronics
Service: Factory Automation Solutions
Sector: Consumer Electronics; Employees 10,000 +

Customer Duration: 15 years
Project Value: €3m

Project Overview: Deliver additional 25% manufacturing capacity to an existing production line to meet future demand requirements. This was achieved by designing a solution around bottleneck modules with seamless integration to an existing high volume manufacturing system with zero additional headcount requirements.

Strategic Targets:

Capacity expansion with minimal downtime / impact to current production

- Relocation of existing Pack zone and integration of new equipment, featuring advance process control and compact tooling design.
- Installation of complex conveyance system & controls for additional equipment, merging with existing production at multiple points on the line.
- Continue to ensure all Quality Control and System Verification systems are implemented.

Outcomes Achieved:

- Packaging line realignment to accommodate new tooling to the existing line footprint.
- Seamless integration of new production and conveyance equipment into a high volume manufacturing environment.
- Successful FATs and SATs completed, meeting all quality and system verification standards.
- Successful introduction of new technology (LSM) producing significant footprint reduction (3 machines into 1) while meeting all production and individual processing requirements - output, quality etc.
- Advance Process Automation utilized on new tooling, eliminating human intervention and increasing uptime & quality.

Project Delivery:

- Managed all aspects of the project, from initial concept designs to delivery, commissioning and handover to customer.
- Detailed collaboration with customer and vendors to deliver optimised manufacturing solution.
- This incremental capacity allowed capital avoidance and enabled World Wide Best in Class performance.
- Addition of new data from advanced process automaton integrated into existing system, providing an improved understanding of process & OEE.

Factory Automation provided a cost effective solution on schedule, within budget with minimal disruption to existing Operations while introducing and de-risking new technologies in parallel