



Full compliance, no more print room

Emmett UK Ltd.
A case study



About EMMETT UK Ltd.

Emmett UK is a fresh produce business supplying major retailers with four products, Spinach, Kale, Leeks and Cavolo Nero.

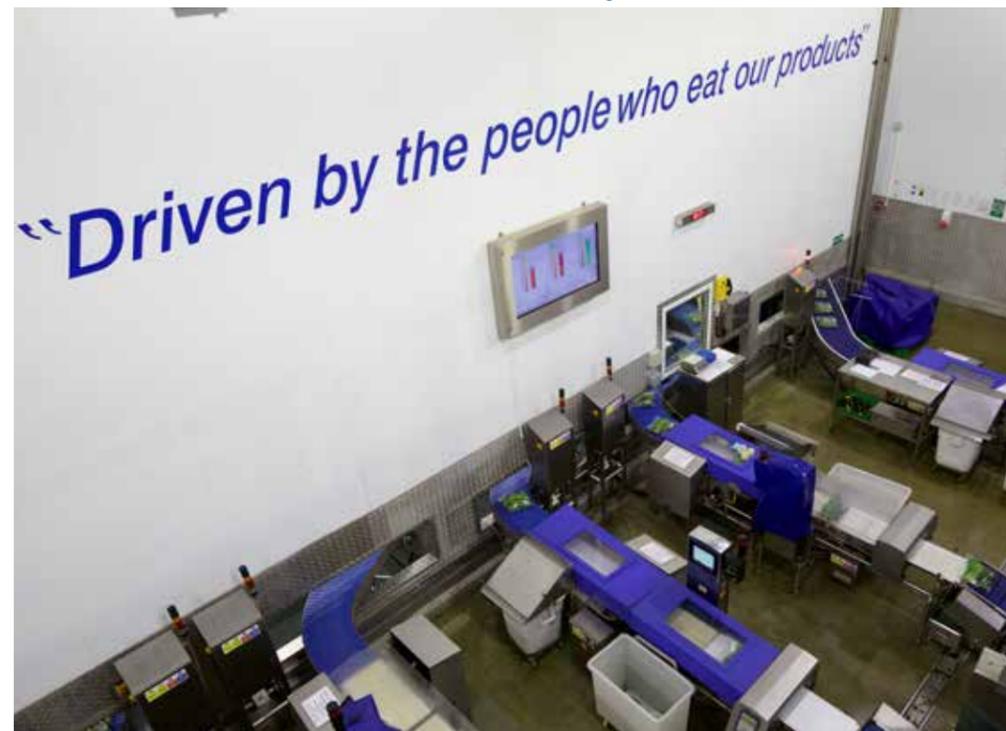
The business covers all areas of the supply chain from growing and packing to dispatching the finished products. More than 98% of the products sold are grown on own farms in Lincolnshire, Deeside, Spain and Italy to ensure an all year round supply.



Challenge

Emmett was looking to replace their existing production control, printing and coding solution with an integrated solution that had to meet a number of requirements:

- Minimise process re-work and withdrawals by eliminating packing errors
- Improve processing operational efficiency through improved use of technology
- A printing/coding system that caters for all production lines
- System stability with no unplanned downtime
- Instant access to process data and improved reporting (e.g. Production yield, OEE)
- Ability to scale systems with business growth and development
- A solution that fully meets our clients' business requirements
- A supported and developing software solution
- Solution functionality that can be extended to support the business in the future (scalable)



Solution

Working closely with the team at Emmett, Harford implemented a solution that meets all of their requirements above, and more. Tracking all materials from Goods In to Despatch, within the system, ensures that only correct origin information for any product is printed onto the right retail packaging, thus eliminating any coding and labelling issues and guaranteeing full compliance with any retailer's requirements. Tray label printers print the required amount of labels per run – automatically configured with correct information – directly on-line, making the print room redundant and eliminating another area of risk.

Harford terminals, in all relevant areas of production, allow operators to perform quality checks and record results, so that the technical team is constantly updated about product quality. Large screens keep all personnel informed about performance, yield and plan conformance.

TOP 3 BUSINESS BENEFITS

1. Complete removal of the print room, resulting in less label waste, labour savings and fewer errors
2. Better control of increasing complexity in a rapidly growing business
3. Minimisation of paper used on the shop floor



Having installed the Harford system across all our packing lines, I am very happy with our improvement to date. It has helped us to minimise production risk, improve quality consistency and improve efficiency, whilst eliminating most factory floor paperwork and providing instant traceability.

Richard Fox, Operations Director

The Harford Control solution is a unique combination of **MES** (Manufacturing Execution System) and **MIS** (Management Information System) elements, designed to improve process control through automation combined with manual control, and, at the same time, supplies accurate **Business Intelligence** in real-time to drive decision-making to improve productivity.



LINE PERFORMANCE - OEE and more

Automated, accurate, real-time information enables each team to make decisions where and when needed - based on facts, not opinions. Gain full visibility into your manufacturing processes and improve line performance in real-time. Unlock hidden capacity, reduce changeover times, improve labour utilisation - all through a single interface.

PROCESS CONTROL - Quality and Yield

It's not hard to do things *Right First Time* when you have a solution that instantly verifies any input and provides corrective action advice whenever a quality check fails, with full traceability. We combine SPC and process capability analysis to ensure that optimum control of any process can be achieved - especially where high levels of variation (and wastage) exist.

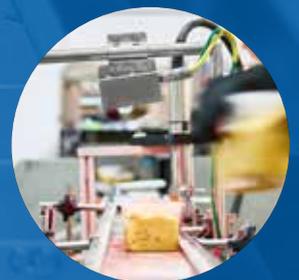


LIVE REPORTING - Real-time Analyses and Interpretation Tools

Making the right decisions at the right time hugely impacts performance, quality consistency, compliance, and customer satisfaction. Our reporting tool visualises all relevant KPIs in real-time, displays automatic Short Interval Control screens, sends alerts and provides a huge range of historic reports and analyses - including tools for root cause analysis (e.g. 5Y).

AUTOMATION - Inspection and machine configuration

Automatic configuration of packaging line devices and machinery removes the need for human interaction, and hence minimizes the risk of errors and product recalls. Downtime during changeovers is reduced, yielding higher efficiency. Data captured from in-line inspection devices (scanning, weighing, x-ray, etc) is automatically analysed to drive performance improvement.



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