HARFORD**CONTROL**

REAL-TIME
PLANT VISIBILITY
For Continuous Improvement

Eliminate Risk
Improve Efficiency
Reduce Cost

REAL-TIME INFORMATION TO IMPROVE PRODUCTIVITY

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

Our trained technicians ensure reliability through 24/7 support and Lean Six Sigma Black Belts guide each implementation.

FROM SHOP FLOOR...

Our operator touchscreen terminals are designed with the user in mind and possess an easy-to-use, self-explanatory interface. They are versatile and robust in any production environment. Food-grade stainless steel, IP69k opto-isolated connectors, and an uninterruptible power supply are just a few of many features.

Any data entered (manually or via connected devices) is verified instantly, and, if needed, corrective action advice is provided automatically. Process adjustments are only prompted when necessary, to minimise wastage and to ensure legal compliance at the same time.

...TO TOP FLOOR

A wide range of visualised KPIs, historic reports, trend analyses, audits and improvement tools is made available to every person within the business, increasing the visibility of any issues, non-conformances and improvement opportunities. It is the high level of visibility that encourages and motivates both operational and managerial personnel to take action where and when required, and creates a culture where Continuous Improvement is the norm.

ALL YOUR INFORMATION FROM A SINGLE SOURCE

In contrast to insular systems, Harford Control uniquely combines a range of modules into a single, integrated solution:

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.

MACHINE VISION - Automatic 100% quality inspection

Image-based inspection of a wide range of quality aspects with in-line cameras ensures that all products meet customer specifications. From simple pattern matching to ensure all packaging components match to full Optical Character Recognition, our vision inspection systems can be tailored to suit your exact needs, and work as integral part of the overall Harford solution.

Some of our clients

HARFORD **CONTROL**

ANY INDUSTRY, ANY PROCESS

Irrespective of the type of business, whether dairy, spirit bottling, fresh fish packing, ready meals etc., all are faced with similar problems. Though every business is totally different, in its type of product, portfolio of variables, production lines and its end users, each manufacturer, amongst all this complexity, is really concerned with only two things; optimisation of raw materials usage and labour utilisation. Our primary focus is to help you achieve and sustain your business goals! Below is an excerpt of some of the industries and manufacturing processes that already benefit from a Harford solution.

BEVERAGES

| BOTTLING | KEGS | BARRELS | SODA | CANS | DAIRY | BEER | WINE | SPIRITS |

FOOD

| FISH | ICE CREAM | YOGURT | PIZZA | MEAT | DAIRY | FROZEN | SNACKS | CONVENIENCE |

PRODUCE

| LEEKS | APPLES | SPINACH | GRAPES | KALE | VEGETABLES | FLOWERS | POTATOES | CONSERVES |

HEALTH & BEAUTY

| CLEANERS | SACHETS | TABLETS | AEROSOLS | CREAMS | LIPSTICK | PERFUME | COSMETICS | MEDICINES |

GET IN TOUCH

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