



eSmart® Automation

Automate Production and Boost Throughput

Make sure you stay ahead of the competition by automating your production processes with an **eSmart® Automation** system from BEC. Whether you want to enhance your existing automation or are considering a new project, BEC has a solution to suit you.

eSmart® Automation works across a number of applications, helping you to reduce the cost of errors and speed up operations. From simple carton counts to the complex integration of Robotics into your host ERP/Business System, **eSmart® Automation** gives you a fast return on your investment with significant increases in productivity.

Online Scanning

Save time and effort, use online scanning to confirm the correct packaging has been used in the production order. Check all EAN codes are legible and correct, and scan item and carton codes to verify the correct product is being issued to the manufacturing order.

Vision

Automate the inspection of product, whilst it is still on the production line



Automate production processes and speed up throughput.

Minimise human intervention for higher accuracy.

Cost savings from reduced errors and increased productivity.

Improve quality control with consistent product and operations.

Cut administration costs, capture and verify data directly on the production line.

Increase efficiency with streamlined processes and safely redeploy staff to other areas.



using vision technology and eliminate the risk of human error. Check fill levels, label quality, presence of graphics and text, BBE dates and packaging compliance, even when switching to a new batch of packaging. With automated checking, **eSmart® Automation** increases accuracy, helping you avoid customer fines and emergency product withdrawals (EPW) for incorrectly packaged or labelled goods.

Robotics

Providing a smooth interface between your host business system and production line robotics, **eSmart® Automation** removes the requirement for human intervention. By configuring robots for specific manufacturing jobs, you can eliminate the scope for human error, whilst expediting processes and driving down costs.

(PLC) Programmable Logic Controller

Integrate the functions of various PLC-based systems on your production line back to the host business system. With faster checking of production line data, **eSmart® Automation** delivers real-time monitoring, visibility and status of your production line. Capturing data directly from production line assets, **eSmart® Automation** controls weighing scales, cutting and wrapping machines, as well as robotic palletisers. The solution can be used to trigger



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product reject mechanisms from metal detectors, capture waste material volume data and automatically log machine down time, enabling you to close gaps in production and improve planning and fulfilment.

Conveyors

A well-integrated conveyor solution not only increases your efficiency and productivity, but it also creates a safer working environment. Through integration with your host business system, BEC's **eSmart® Automation** platform can take control of the conveyor system and get your products to where they need to be quickly and accurately. With no need for human intervention, you can eliminate human error and safely utilise personnel in other areas of the business.

Print & Apply

Accurate product labelling, batch, serial numbers and sell/use by dates are a crucial element of many products. Remove the need for human intervention by automatically configuring your print and apply machines, so that the rugged and durable hardware prints your labels and applies them accurately to products each and every time.

**Call for a FREE consultation on:
01254 688088 or visit www.becsi.co.uk**

