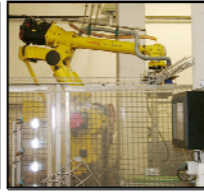


SPECIALISTS IN
DATA CAPTURE
BEC SYSTEMS INTEGRATION



PRODUCT DATASHEET



ENSURE 100% LABELLING CONFORMANCE AND PEACE OF MIND

No company wants to face customer-imposed penalties.

Achieve 100% labelling conformance, correctly label your products every single time and avoid punitive fines. Protect your company and improve customer relations.

The demands placed on manufacturers to ensure all elements of their product, packaging and labelling conform to strict standards, has never been higher. Failure to label your products correctly means that your company faces considerable fines as well as product recall, restocking & logistics costs. You also risk loss of your customer and potential damage to your company's reputation.

BEC's Product Identification and Control Conformity (PIC²) product is a complete solution that gives you peace of mind. You can detect and rectify poorly labelled goods or incorrectly packaged products before they leave the production line, avoid fines and increase efficiency by saving time & effort.

Utilising advanced digital camera technology, PIC² validates up to 10,000 parts per hour, depending on the product and the environment.

As well as handling barcode presence, validation and image validation, PIC² deals with print quality, date & lot codes and product quality information. It also covers:

- Multiple validation e.g. pots to lids and dual labelling
- Liquid fill levels
- Colour validation e.g. milk bottle tops
- Shape sorting and routing
- Presence validation e.g. straws on drink cartons

WHAT PIC² DOES

The production schedule data is extracted from the ERP system and presented to the operator on a shop floor data terminal. By confirming this information is correct with the ACTUAL product being produced, PIC² brings together all the relevant information needed to ensure that the product labelling is correct.

PIC² then utilises the latest digital camera technology to read the product labels on the label web, before applying them to the product. Every label is scanned and the image compared to the production information. If it does not match or there is an unsuccessful read, this means that the label is either incorrect or of substandard quality.

When such a condition occurs PIC² immediately issues an automated message to a display board on the production line. This will detail exactly what the problem is and also stop the production line until the problem has been corrected.



Additional safeguards in PIC² also prevent products from being produced without a schedule number first being input. It also counts the products as they are being labelled and periodically updates the ERP system with finished stock figures.

KEY FEATURES

- Barcode presence & validation for both 1D & 2D codes
- Print quality inspection
- Date and Lot code inspection
- Multiple validation, pots to lids - dual labelling
- Colour validation e.g. milk bottle tops
- Pattern matching
- Text matching
- User definable actions where errors are detected
- Output message to display board
- Sound alarm / Stop line when error detected
- Operates Standalone or networked to a production planning system
- Data collection module provides information on:
 - Line efficiency
 - Runtime & Quantity produced
 - Downtime and stop frequency

PIC² is a complete solution for ensuring 100% labelling conformance and peace of mind by integrating advanced Machine Vision technology with business and labelling systems.

HOW PIC² HELPS OUR CUSTOMERS

Customers implementing PIC² have reduced the incidence of incorrect labelling during production & benefited from:

- Significant savings by avoiding customer imposed fines for non-conformant labels.
- Significant savings by eliminating the need to withdraw, scrap and restock products.
- Automatic detection of non-conformant labels removes human error and increases production efficiency.
- Increased availability of real-time production data leading to improved planning capabilities.
- Reduced cost of ensuring compliance with both customer and regulatory requirements.
- Strengthens customer relationships leading to greater business development opportunities & increased turnover.

ABOUT BEC

BEC (Systems Integration) Ltd are specialist providers of Automated Data Capture Solutions.

With access to a range of the latest data collection technologies, BEC advises, designs and delivers solutions that integrate seamlessly into host systems.

Working in the manufacturing, engineering and food & beverage industries, BEC's supply chain solutions improve productivity, efficiency and profitability.

To find out how BEC has helped customers maximise their business potential, visit www.becsi.co.uk.

