



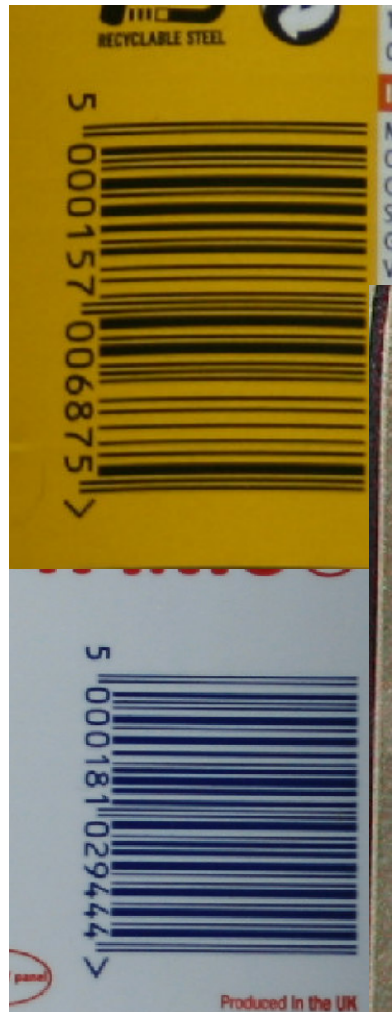
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## Bar Code Validation Systems

V3 2007

### Benefits of Mapex

- Ⓔ Advanced Vision Technology
- Ⓔ Custom Solutions
- Ⓔ Daisy Chain
- Ⓔ Extensive References
- Ⓔ Flexibility
- Ⓔ Laser Fill Level
- Ⓔ Low Cost of Ownership
- Ⓔ Interpersonal Relationships
- Ⓔ Modularity
- Ⓔ Operational Reliability
- Ⓔ Project Specific
- Ⓔ Proven Technology
- Ⓔ Redeployable Technology
- Ⓔ Reject Handling
- Ⓔ Robust Construction
- Ⓔ Safety
- Ⓔ Simple
- Ⓔ Sorting
- Ⓔ Standard Packages
- Ⓔ State of the Art
- Ⓔ System Approach
- Ⓔ Tailored Engineered
- Ⓔ Technology Integrator
- Ⓔ Training
- Ⓔ User Friendly



**PRESENT ?**  
**READABLE ?**  
**CORRECT ?**



**Mapex Inspection** provide a range of technologies for Inspection, Sorting & Handling on packaging lines.

The basic **Mapex BCV** system is designed to provide the simplest validation check; it is designed to operate as a stand alone unit or as part of an inspection package or as part on of a comprehensive packaging control system.



## Standard Features

- Ⓜ PLC control
- Ⓜ Stainless Steel construction
- Ⓜ Bi-colour LED display
- Ⓜ Simple “teach-n-go” set up
- Ⓜ Pre-programmed set up
- Ⓜ Wide range of bar code formats
- Ⓜ > 1,000 units per minute
- Ⓜ Digital position adjustment
- Ⓜ Audio / Visual alarm
- Ⓜ IP65 enclosure
- Ⓜ In-Labeller mounting
- Ⓜ Conveyor mounted

## Optional Features

- ✓ 8 or 12 inch touch screen HMI
- ✓ Portable Handheld HMI
- ✓ Raster scan available
- ✓ Networking
- ✓ Variable speed operation
- ✓ Mapex rejecter range
- ✓ Floor mounted console

## Optional Functionality

- ✓ Batch counting
- ✓ Bar code verification
- ✓ Pack inspection
- ✓ Full case inspection

The **Bar Code Validation (BCV)** system was developed and adopted so that both manufacturers and retailers could be sure that all products are correctly identified and priced within in the retail distribution cycle. However there are instances when, even with the best intentions, the bar codes are unreadable, incorrect or missing. Such errors can be expensive and are potentially damaging to corporate images.

Bar Code misreads and errors on primary and secondary packaging as well as unit loads have become an expensive problem within the retail distribution systems with most retailers and distributors are imposing fines. All this at a time when the packers’ unit cost is constantly under increasing pressure.



Mapex Inspection recognizes the need for and importance of “Just in Time” logistics and fast accurate processing of goods through logistics departments to retail check outs; we believe that there is a need to validate the printed bar codes on bottle, cans, bags, and cases.

Mapex has developed an efficient yet simple but bar code validation system that has the flexibility to be easily mounted on to any container handling system. The BCV is designed to monitor all passing packages and will validate via the bar code the pack as being present, readable and correct.

The entry level BCV is designed to provide the simplest user interface. It has a standard bi-colour LED indication where **GREEN** = good and **RED** = fail.

Whilst the MID & VIS platforms are supplied with either an 8 or 12 inch TFT touch screen providing an HMI with on screen programming and vision possibilities.

The **MAPEX - BCV** system will operate in tandem with any **MAPEX** Inspection System; thus allowing valuable production data to be collated from several different points in the production process.