Microscan is a manufacturer and global technology leader for track, trace, and control solutions. Our barcode and machine vision products help companies around the world to drive down cost and waste, automate critical manufacturing processes, and increase yields through precision data acquisition. As an ISO 9001 certified company recognized for quality leadership, Microscan is known and trusted by customers worldwide as a provider of quality, high precision products.

**COMPANY & PRODUCTS**

**AUTO ID Barcode Readers & Verifiers**
- Microscan offers fast, reliable barcode readers for all standard linear barcodes and 2D symbols. Features include small size, high speed reading, wide field of view, symbol reconstruction, and aggressive decoding technology.

**MACHINE VISION Software, Hardware & Lighting**
- Microscan holds one of the world’s most robust patent portfolios for machine vision technology. Our products include machine vision software, smart cameras, and lighting for applications such as identification, inspection, and measurement.

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Track, Trace and Control

Packaging systems are under strong demands to ensure the quality of the primary, secondary, and final packaging while at the same time maximizing production flow. Microscan’s barcode and machine vision products are commonly used throughout automated packaging applications to monitor, track, and trace critical data to ensure quality while maximizing productivity.

Industries Served:
- Food
- Beverage
- Cosmetics
- Pharmaceuticals
- Personal Hygiene
- Healthcare
- Household Goods
- Chemical
- Consumer Electronics
- Medical Devices

Track, Trace and Control

Track: Where is it now?

Trace: Where has it been?

Control: Where is it going? (Quality Assurance)

Track: Efficiency of filling systems and quantity produced

Trace: Applying unique identification to primary packaging

Control: Match product to leaflets and outer packaging

Manufacturing

Ensure quality product, initial package

Applications
- Inventory control
- Quality inspection
- Receiving confirmation
- WIP tracking
- Material verification
- Code/mark verification

Track: Track materials entering facility and materials usage

Trace: Initiating traceability of product

Control: Inspection of vendor-supplied products

Primary packaging

Applications
- Cap presence/position
- Label presence/position
- Crimp inspection
- Product serialization
- Pick and place
- Fill levels
- Safety seal inspection
- 2D code reading
- WIP tracking
- Date/lot tracking
- Product inspection
- Validate completeness of blister packs, boxes, etc.

Secondary packaging

Applications
- Lot tracking and verification
- OCR/OCV for printed batch numbers
- Verification of correct insert/outsert
- Sortation for distribution
- Match inserts to packaging
- Completeness check
- Confirm accurate code printing

Final pack/shipping

Applications
- Sortation and routing
- Packing list verification
- Outbound documentation
- WIP tracking
- Sorting and ID matching

Track: Overall factory input productivity

Trace: Unique pallet identification, traceability of finished goods to raw materials

Control: Match pallet to case code; verify/match customer orders to shipments
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