

# CLINICAL DIAGNOSTICS

Automation Solutions for Life Sciences



## MICROSCAN®

Precision Data Acquisition  
and Control Solutions

# MACHINE VISION & BARCODE SOLUTIONS FOR CLINICAL DIAGNOSTICS APPLICATIONS

Clinical diagnostic instrument manufacturers require 100% data integrity and extremely reliable components that are small enough to fit into their systems. Whether reading specimen tubes, reagent containers, or microtiter plates, instrument manufacturers depend on the highest levels of performance and reading flexibility, with minimal integration effort.



## Experts in Clinical Applications:

- High speed 1D/2D symbol reading
- Decoding of challenging, high density codes
- Compact sizes and wide fields of view
- Broad range of products
- Laser scanner and imager configurations
- Multiple resolutions, auto focus and other options
- High quality optics and specialized designs
- Long term product availability
- Extensive customization capabilities
- Worldwide presence and support
- 25+ years of life science solutions expertise

*As the #1 global provider of embedded barcode scanners and imagers for clinical diagnostics, Microscan specializes in embedded identification and inspection applications, and designs custom products to meet our customers' stringent needs.*



## 1D/2D Symbol Identification

**Use 1D/2D symbols or human readable text for identification and tracking of specimen tubes, reagent containers, and other items.**

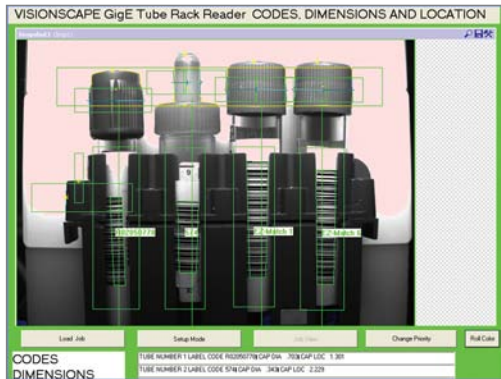
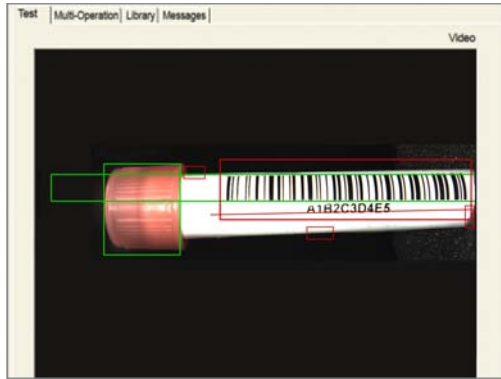


## IDENTIFICATION

- High density 1D/2D symbol decoding
- Specimen ID
- Reagent ID
- Tube carrier ID
- Microtiter plate ID
- Data Matrix encoded vial ID
- 1D/2D symbol verification

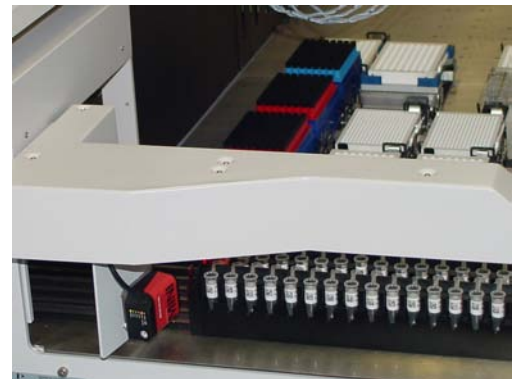
## Embedded Automated Inspection

Automated inspection and identification of cap presence/absence, type, and color.



## Easily Integrated

High performance products in compact form factors are easily embedded into clinical diagnostics instrumentation.



## INSPECTION & MEASUREMENT

- Tube presence/absence and height
- Cap presence/absence for de-capper/re-capper integration
- Cap type for suitability with closed tube aliquoting
- Cap color detection for compatibility with ordered tests
- Other inspections or measurements

## ROBOTIC GUIDANCE

- Tube location for pick & place guidance
- Other object position/rotation detection

# COMPANY & PRODUCTS

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.

## 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.



Code 128



Code 39



Codabar



GS1 Databar



Data Matrix



Code 93



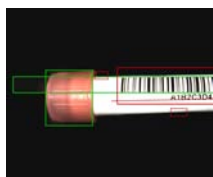
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## MACHINE VISION Software, Hardware & Lighting

■ 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.



Cap Presence/Absence



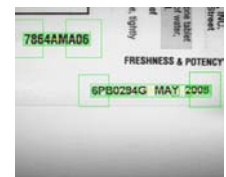
Cap Type Identification



Cap Color Detection



Optical Character Verification



Date and Lot Verification

# MICROSCAN®

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