



Data accuracy and reliability are critical within life sciences industries where manufacturers need to increase throughput while meeting regulatory compliance.

Microscan helps manufacturers throughout clinical diagnostics, drug discovery, medical devices, and pharmaceutical industries in diverse applications such as:

### Auto ID Tracking & Traceability

- Sample tracking
- Medical device tracking
- Test level traceability
- Vial reading verification

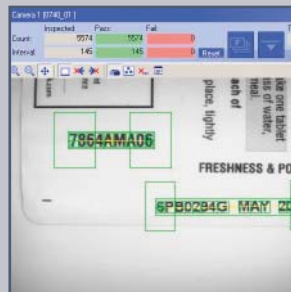
### Machine Vision

- Date and lot verification
- Color detection
- Robotic guidance
- Test tube cap and color inspection
- Inspect package integrity
- Dimensional gauging
- Measure fill levels and sealings
- Measure sharpness and smoothness

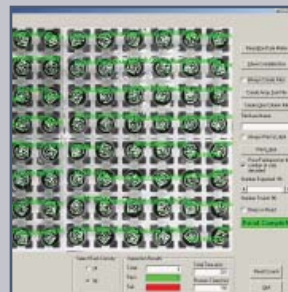
### Application Examples



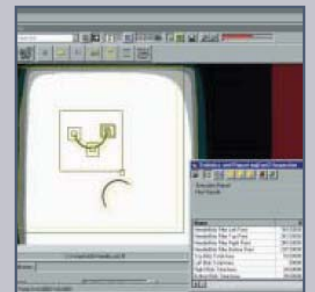
- High speed reading of long linear barcodes



- Advanced Optical Character Recognition (OCR) and Verification (OCV) capabilities



- Reading 96 Data Matrix in a single capture



- Detailed inspection of small parts and components

## Examples of Inspection & Identification within Life Sciences

### Diagnostics

- Test tubes
  - Traceability using barcodes on labels
  - Test tube and cap dimension and visual property detection
- Reagent packs
  - Identification using linear barcodes, PDF417, or 2D symbols
  - Bulk package date and lot code identification

### Biotechnology

- 96 well plates
  - Plate traceability using barcode labels
  - Vial tracking based on Data Matrix identification
- Automated handling
  - Dimensional inspections on mechanical characteristics

### Pharmaceuticals

- Packaging
  - Label and carton inspections
  - Blister pack inspection for missing contents
- Date of Manufacture
  - Traceability of counterfeit medicines via Optical Character Recognition (OCR) and Verification (OCV)
  - Data and lot code traceability via OCV

### Medical Devices

- Surgical Instruments
  - Scalpel traceability using direct part marked Data Matrix
  - Dimensional inspections on finished goods
- Consumables
  - Inspection of syringe needles for burrs and other anomalies
  - Surgical staple shape recognition
  - Test strip traceability through barcode identification

# MICROSCAN®

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