

CYCLOPS: Closure Seal Inspection

100% Automated Beverage Closure Seal Inspection System



CYCLOPS : Overview

This intelligent, turn-key, high speed machine vision system provides 100% non-contact inspection of metal and plastic closures at production line speeds, minimizing waste, reducing liability, and maximizing profits.

CYCLOPS provides real-time inspection of critical product parameters, constant feedback to the process operator, and statistical data and trend generation for analysis of production efficiency.

Seal integrity is crucial to ensure package integrity and product freshness for beverage manufacturers.

KEY BENEFITS

- Reduce Costs
- Eliminate manual inspection
- Eliminate incubation
- Improve product quality
- Improve speed to market
- Improve reactivity

TESTIMONIAL

“VMV was contracted to replace an existing system which had been developed over a number of years. Within 12 weeks they were able to deploy a solution that was better than the previous solution, offering improved performance, a more intuitive interface, and a system that is easier to setup and maintain. To top this off the level of support that they offered was outstanding. I would not hesitate to recommend their services.”

Dane Harrington,
VIP Packaging



Intelligent Vision

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BENEFITS :

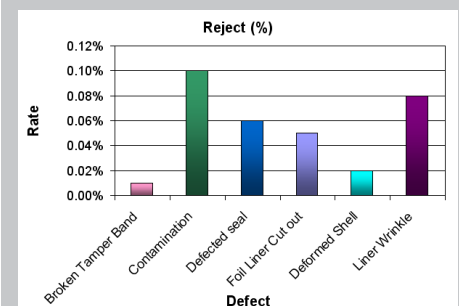
- Reduces labour costs – by eliminating the need for manual inspection and incubation
- Recognizes and rejects defective seals without manual intervention
- Identify issues on-line thus improving reactivity and traceability
- Provides real-time statistical data (reports, charts, graphics) to support the analysis of production efficiency
- Designed for “drop-in” installation onto existing machines
- High speed, non contact inspection; no product handling required
- Constant feedback to the process operators

FEATURES:

- Classifies rejected product i.e. damaged seal, lid alignment, etc.
- Captures a history of defective products for analysis
- Uses a robust, fully scalable IP-based architecture
- Intuitive touch-screen menu navigation and on-line tutorials for easy setup and flexible inspection control
- Provides real-time statistical data (reports, charts, graphics) supporting analysis of production efficiency
- Integrated colour touch screen:
 - Provides intuitive user setup
 - Allows quick job changes
 - Reduces downtime
- Integrated database that:
 - Stores job information
 - Stores results of visual inspection enabling long term analysis
 - Allows easy backup
- Multilevel security
- Modular design allowing for easy maintenance

REPORTING

- CYCLOPS provides a variety of reports including totals produced, rejects by lane/hour/category
- Images of rejected products overlaid with reject information
- Reports enable the performance of the filler to be monitored and improved during its life-cycle
- Reports are built on top of enterprise databases (e.g. SQL Server, Oracle) and thus can be easily linked into your ERP systems
- Reports can be connected to shop floor displays for complete factory visibility



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INSPECTION CAPABILITY:



Broken
Tamper Band



Contamination



Deformed Seal



Deformed
Shell



Short Shot



Foil Liner Cut out



Liner Cut out



Liner Wrinkle

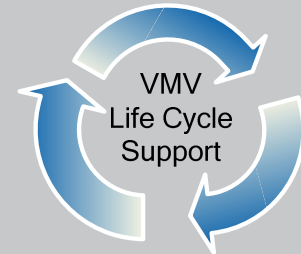


Missing Lug



Touch screen Operator Interface allows quick problem resolution for defective seals

VMV LIFE CYCLE SUPPORT



Lifetime Support: Full support keeps your investment at peak operating condition.

Upgrades and Retrofits:

Improve performance and service life without the cost of new equipment.

Operator/Maintenance Training:

By certified trainers who know how to teach. At your facility or our interactive classrooms.

Technical Service

Agreements:

Technical Service Agreements Comprehensive parts & service agreements keep machines performing and reduce overall operating costs.



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VMV Company Profile

Intelligent Vision

Mission:

VMV's mission is quite simply to improve the quality and performance of our customer's production operations.

Company:

VMV specializes in supplying machine vision and manufacturing information systems to manufacturers, integrators and OEMs. Combining best-in-class products with engineering know-how, VMV provides state-of-the-art solutions in advanced automation.

Systems:

Our systems are engineered to enable our clients to:

- **Improve product quality** (Reduces customer complaints)
- **Remove manual inspection** (Reduces labor costs)
- **Improve speed to market** (Reduces inventory costs)
- **Identify issues on-line** (Reduces of wastage)
- **Improve the reactivity** and traceability of production processes

Core Business:

- Vision Systems
- System Integration
- Manufacturing Information Systems
- LED Lighting Solutions

Contact Details:

Contact VMV's vision specialists to find out how we can help you to improve quality and reduce costs at:

VMV Pty Ltd

134 Rupert St, Collingwood

Email: sales@vmv.com.au

Phone: (03) 9419-1222

Fax: (03) 9417-3756

VMV employees work with state-of-the-art systems, tools, and technologies to create cost effective systems which are reliable, low maintenance and can be installed with minimal disruption to production.

VMV works with your existing production team to produce systems that meet and exceed your expectations. We are able to integrate our systems within the framework of existing customer programs such as six sigma and lean manufacturing.

With a team of highly skilled engineers VMV is able to provide excellent customer support. From development to deployment, we're there to help you get your vision systems up and running as fast as possible.



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