

HELIOS: Print Inspection System

100% Automated Print Inspection System



KEY BENEFITS

- Simple set-up
- Improved quality standards
- Easy to retrofit
- Consistent, predictable results
- Reduced waste
- Higher production run returns
- Improved customer retention

CUSTOMIZATION

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.

HELIOS: Overview

HELIOS is a true 100% print inspection system which inspects 100% of the web, 100% of the time.

Easily installed onto any press, the touch screen user interface is designed for ease of use, both in set up and in ongoing configuration. Use of the system requires minimal time and training.

HELIOS works by using a digital linescan camera, and can scan for print defects on almost any web width.

The user can set the size of defect to be detected via the touch screen user interface, eliminating false error conditions. Should defects need to be detected over wider webs, then an upgrade from the standard 2048 pixel camera to the 4096, or even the 6144 pixel camera is recommended.

HELIOS will check for both random and repeating defects and will supply an easy to use defect map archive giving coordinates of faults and total accepts and rejects, within each printed reel which



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BENEFITS :

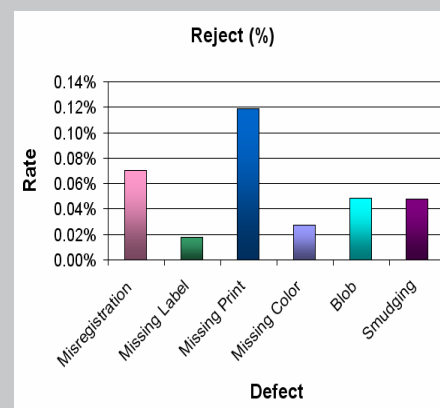
- Recognizes defective labels without manual intervention
- Reduce waste due to no postprint defects
- Designed for “drop-in” installation onto existing machines
- Increased running speeds and reduced downtime
- Constant feedback to the process operators
- Identify issues on line thus improving reactivity and traceability
- Provides real-time statistical data (reports, charts, graphics) to support the analysis of production efficiency
- Accurate analysis of defects enabling operator to make up shortfalls before job is taken off press
- High speed, non contact inspection; no product handling required

FEATURES:

- Classifies rejected product i.e. misregistration, spot defect etc
- Solid state lighting to produce lighting conditions with no variation over time. This guarantees repeatability.
- 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)
- 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
- Modular design allowing for easy maintenance

REPORTING

- Helios provides a variety of reports including totals produced, rejects by hour and/or category
- Images of rejected products overlaid with reject information
- Reports enable the performance of the printing to be monitored and improved during their 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

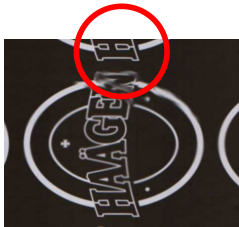


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INSPECTION CAPABILITY:

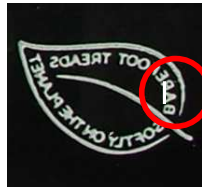
Typical Label Defects Detected:



Smudge



Blob



Extra Print



Damage



Misregistration

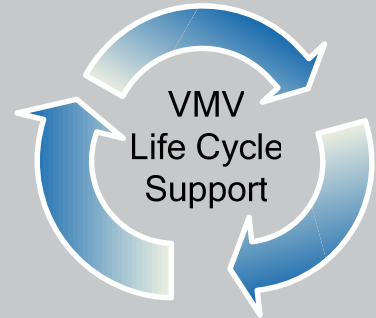


Missing Label



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



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VMV Company Profile

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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

TESTIMONIALS

"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

"The Hydra system performs a difficult inspection with an accuracy that far exceeds our initial expectations. The resulting system operates 24hrs per day and has become a critical control point within our production facility".

Glen Jones, Central Project Engineer, Mars Pet Care Australia



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