

## SUCCESS STORY

# HYDRA Seal Inspection

## Mars Petcare counts the benefits of HYDRA seal inspection

VMV were commissioned by Mars Petcare to deploy a number of HYDRA systems both nationally and internationally. These systems operate continuously in harsh industrial environments and provide Mars Petcare with a substantial competitive advantage.

Mars Petcare manufactures premium 'single serve' pet food trays worldwide. Seal integrity is one of the most crucial aspects in food packaging, and so, despite the cost, product is manually inspected and incubated to ensure that seals are well formed.

### CLIENT REQUIREMENTS

Mars Petcare identified that an automated inspection system could provide a significant commercial advantage. Automating the inspection would remove the ongoing cost of manual inspection. Importantly the system could eliminate the costly incubation stage – if it was sufficiently accurate and reliable.

### CHALLENGES

To deploy a system that must:

- Operate in a harsh wash-down environment.
- Perform a complex inspection with a very high level of accuracy and reliability.

### SOLUTION

VMV's Hydra System is designed specifically for this task. Where Mars Petcare have deployed these systems, they have been able to eliminate manual inspection and product incubation from their distribution pipeline



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

Glen Jones  
Central Project Engineer  
Mars Petcare Australia

### BENEFITS

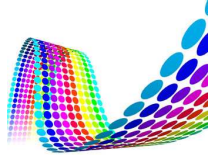
Mars Petcare realized a number of benefits including:

- Elimination of manual inspection.
- Elimination of incubation.
- Improved Product quality.
- Improved speed to market.
- Reduction in customer complaints.
- Improved reactivity and traceability.

# VMV - COMPANY PROFILE

## Web Inspection

(paper, metals, non-wovens, glass fiber mat)



## Print Inspection

(fine print, newsprint, coated and uncoated)



## Colour Sorters

High speed colour sorters for the food industry



## Retortable plastic and aluminium packaging

(ready meals, baby food, Pet foods, pates, sauces, soups, fruits ...)



## Retortable Pouches

(sauces, soups, fruits, ...)



## Closures

(Plastic caps and closures)



VMV is a leading developer and manufacturer of **vision inspection systems**. Our products are successfully used around the globe in the printing, food and packaging industries. With a high level of technical expertise, the ability to work closely with our clients, and a focus on support, we offer solutions that provide **consistent performance** and **objective standards**.

Our professional staff includes highly skilled and experienced software, electrical, and mechanical engineers, technical staff, and in-house design / drafting. We also have in-house manufacturing and prototyping facilities which allow us to rapidly develop unique solutions to complex problems.

Contact us to find out how we can help you.

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