



**Safeline AVS**

## **TYPE 48      AUTOMATIC INSPECTION SYSTEMS**

**Inspecting glass jar and metal can packaged products**

**The latest generation of Safeline AVS intelligent inspection technology automatically scans products packaged in glass jars and metal cans at high-speed to ensure product integrity.**

The Safeline AVS Type 48 System brings the latest in linear array technology to high-speed packaging lines. This innovative inspection system uses advanced detection technology that is unmatched in the industry for its sensitivity and sophistication.

The choice of single or dual "oblique beam" inspection allows the critical base area of the container to be inspected, whilst increasing the detection sensitivity for randomly orientated contaminants, such as glass fragments. Simultaneous verification of the product fill level is also conducted.

### **What makes the Safeline AVS range superior?**

The combination of Safeline AVS's "Dual Beam" inspection technology, innovative hardware and high performance image processing software give the systems an undeniable advantage on high-speed production lines. Rely on the Safeline AVS Type 48 Systems for maximum protection for your product and your Brand value.

**Type 48**



- **Real-time Analysis of Product and Fill Level**
- **Monitor Product and Package Attributes**  
Real-time inspection of glass jars and metal can products for dense contaminants and fill level.
- **Detection and Elimination of Foreign Bodies**  
including metal, stone, glass, bone and high density plastic.
- **Multiple Configurations Available**  
Safeline AVS container inspection systems can inspect virtually any discrete glass jar or metal can product at full production line speed.

**Safeline AVS**

## Sophisticated Sensor Technology Ensures Highest Sensitivity and Maximum Accuracy

## Features for Simple and Efficient Operation



## Designed to Meet Stringent Food Industry Requirements

## Low Maintenance Washdown Design

## Optimum Designs for Each Application

### Specifications:

Critical inspection of the product flow is achieved by the computer-controlled "dual beam" generator and the powerful computer data analysis system, making Safeline AVS inspection systems superior at detecting minute changes that signal product contamination or deviation from accepted specifications. Sophisticated image processing software provides rapid analysis, detection and rejection - automatically.

The Type 48 container inspection system is designed for simple and efficient operation on-line, with adaptive calibration and easy to understand operating procedures.

#### Features include:

- User-Friendly operator control centre with touch screen display. The full colour display provides a visual reference of both inspection "views" using real-time images and diagnostics data.
- NO frequent calibration required. The system automatically analyzes product variations to continuously achieve optimum sensitivity throughout production.
- High speed mass control. The patented Safeline AVS mass control system provides a high accuracy check of the weight of the package at high production line speeds. The system is self-calibrating for exceptional stability.
- Connectors for the programming keyboard and network interfaces are conveniently located for easy access at the front of the cabinet.

To comply with Vendor Certification programs and satisfy HACCP requirements, the inspection system may be equipped with a statistical control package for automatic data collection.

The stainless steel cabinet is designed for washdown environments. This system is designed to easily fit into existing conveyor systems, and the quick release belt allows immediate dismantling and cleaning.

Designed for rigid container products, these systems are supplied with software configurations for individual applications. A variety of reject styles are available to suit the size and shape of the container. Reject containers are removed from the product flow and diverted onto an adjacent conveyor. Safeline AVS engineers are expert at evaluating products to specify the best style for each application.

<b>Technology:</b>	Computer-controlled "dual beam" technology.
<b>Conveyor:</b>	An X-ray transparent conveyor is used in the inspection process. Speed 0-80 metres/minute.
<b>Video Display:</b>	Displays real-time images and diagnostics data in colour.
<b>Adaptive:</b>	Software automatically adapts to different product characteristics.
<b>Calibration:</b>	Periodic calibration manually or by automatic sequencing.
<b>Inspection Rate:</b>	Up to 750 containers/minute, depending on container size.
<b>Power Requirements:</b>	110V or 200-240V a.c.

# Safeline AVS

**Safeline AVS Limited**  
Cheyneys Lodge,  
Ashwell, Nr Baldock,  
Herts SG7 5RP,  
United Kingdom  
Tel: +44 (0)1462 742922  
Fax: +44 (0)1462 743209  
E-mail: sales@safeline-avs.com

**Safeline AVS Inc.**  
Safeline Business Center,  
6005 Benjamin Road,  
Tampa, FL 33634 USA  
Tel: 813 889 9500  
Toll Free: 800 447 4439  
Fax: 813 881 0840  
E-mail: sales@safeline.net