

## Intelligent inspection systems

Safeline, the United States, has launched a new generation of intelligent product inspection systems that combine high resolution “soft ray” inspection technology with innovative hardware and high-performance image processing software. ClearView systems ensure food, pharmaceutical and packaged product integrity by detecting and eliminating foreign bodies such as metal, stone, bone, high-density plastic and rubber. Real-time analysis of products with ClearView inspection systems provides the ability to monitor product and package attributes of both conveyed packaged products, loose discrete products, continuous-flowing bulk products and pumped liquids and slurries. Four models of the ClearView inspection system are available:

- . Type 42P Automatic Pipeline Inspection System for pumped liquids and slurries;
- . Type 42BF Inspection System for continuous bulk product flows;
- . Type 42 Inspection System for automatic inspection of conveyed packages and loose products; and
- . Type 21 Inspection System for high-speed automatic inspection of conveyed packaged products.

All the models use linear technology that offers unmatched sensitivity and simplicity. A computer-controlled “soft ray” generator and a powerful data analysis system ensure critical inspection of any product, flowing or conveyed. ClearView’s colour video display provides real-time diagnostics data and the operator control centre is a user-friendly touch-screen system. This system can identify minute changes in product density that signifies product contamination or deviation from accepted specifications. Sophisticated image processing software in these inspection systems provide rapid analysis, detection and rejection of non-conforming products that do not comply with specifications.

ClearView’s Auto-Learn technology eliminates the need for any set-up, as the system automatically re-calibrates itself as each sample or product is inspected. The system is supplied with specific software configurations for individual customers’ application.  
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