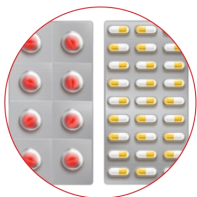


Detect**AXIS**

Print + surface inspection system



Intelligent supervisor for
flawless aesthetics and hygiene



Pharma packaging



Retort packaging



Aseptic packaging



Re-closable packaging



DetectAXIS — “100% Dual inspection system for better aesthetics and hygiene”

Introducing the **DetectAXIS Print + Surface Inspection System** – our latest innovation designed to ensure defect-free printing on the top surface and contamination-free bottom surfaces of packaging films. This advanced dual side inspection technology is crucial for packaging materials like lidding foils, re-closable flexible pouches for juice and edible oils, pharmaceutical products, and other applications where surface contamination is unacceptable. Ensure your packaging meets the highest standards with DetectAXIS 100% print and surface inspection system.

The simple user-interface makes DetectAXIS easy to use for any member of the production team.

Typical defects on printed surface

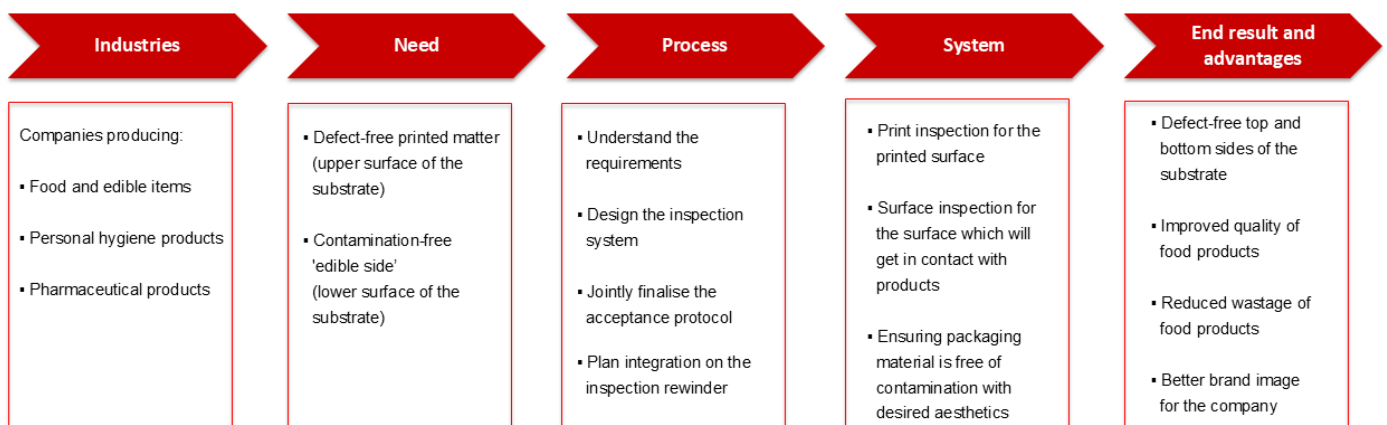
- Missing print
- Register defects
- Smearing, toning and hazing
- Drags
- Doctor blade streaks
- Colour fading
- Bleeding
- Insects
- Colour variations
- Dust and contamination

Typical defects on contacted surface

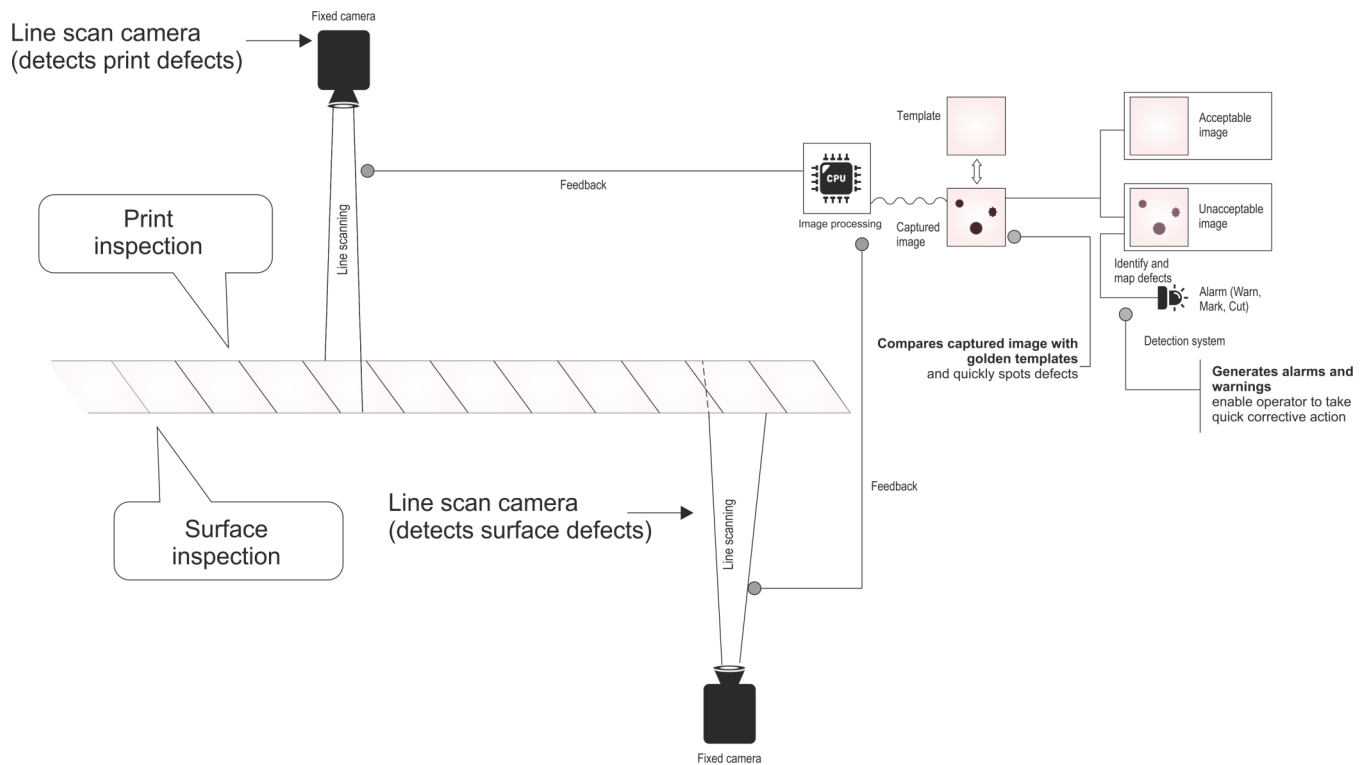
- Disturbed patterns
- Fish eyes
- Holes
- Fractured melts
- Bubbles
- Wrinkles
- Dents
- Splices
- Dark spots
- Scratches
- Stains
- Coating voids
- Gels
- Insects
- Patches
- Contaminants and foreign particles (hair, dust, etc.)
- Creases
- Shade variations



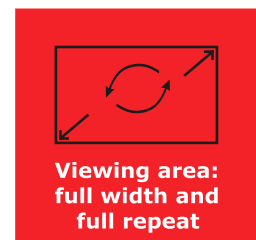
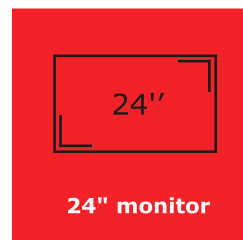
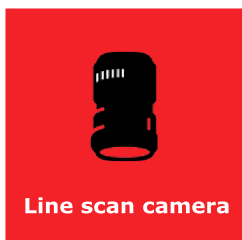
Process flow



Process flow



Hardware specifications



Key features

- Adaptive surface inspection: enables adaption to normal substrate variations and ambient conditions while optimising the segmentation of anomalies
- Supports up to 40 features including shape, dimensions, location, orientation, and intensity to enable classification
- Decision matrix to alert operator, save defect image, and decide if alarm is to be generated
- Roll mapping with re-winder control
- Interfaces with web edge detection for accurate location tracking and trim masking
- Store all results for each roll, including images of defects
- Interface to tagger or spray systems
- Real time image display
- Optional opacity and formation analysis
- 100% print and view
- Inline ΔE colour measurement and LAB value determination

Benefits



Defect free material



Edge detection



Quality documentation



Reduced material rejection



Improved productivity



Easy to operate with intuitive GUI



Online diagnostics and support

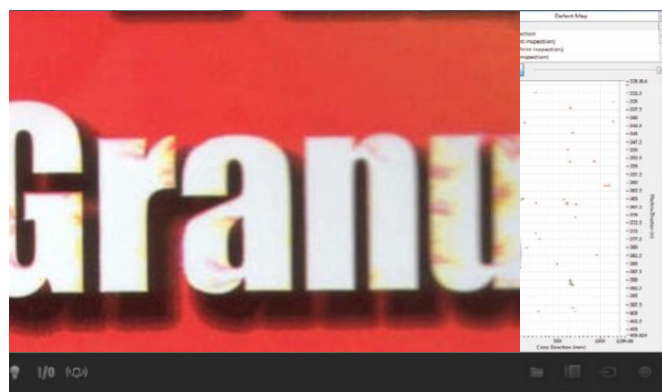
Screenshots of the system



Print defects



Surface defects



AxisValence has extensive experience and expertise in various applications across industries, which we leverage to provide a suitable solution for your application.