

# KIARA WEB INSPECTION SYSTEMS

AI Vision for Surface Inspection and Web Quality Control



Defects in continuous materials like textiles, fabrics, paper, and metal sheets can result in significant wastage and lost production time.

Modern camera systems equipped with **AI technology** can quickly and accurately identify even the smallest of defects at **high speeds**, reducing waste by up to 70% and enabling **100% inspection**.

**Digitalized data** and **reports** provide valuable insights into the **quality** and production of materials, enabling defect prevention and **improved efficiency**.



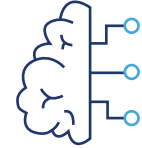
## ACCURATE DEFECT DETECTION

- ▶ High detection for even the smallest defects
- ▶ Improves accuracy over time through machine learning algorithms



## INSPECTS UP TO 150 METERS/MIN

- ▶ Fast detection
- ▶ Increased productivity
- ▶ Minimizes production downtime and delays



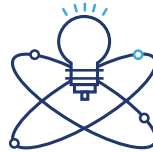
## DEEP LEARNING BASED MODEL

- ▶ Efficient processing
- ▶ Recognize and classify a wide range of defects



## AI VISION PRECISION

- ▶ Precise defect identification
- ▶ Adapts to changing production needs and requirements



## SELF-LEARNING SOFTWARE

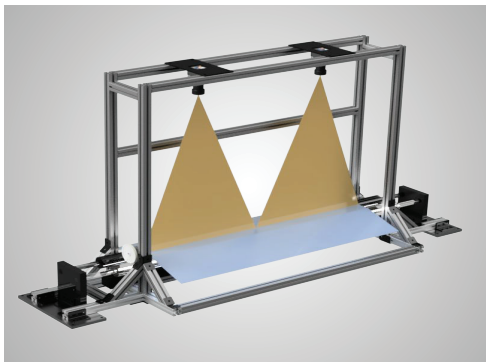
- ▶ Continuous improvement
- ▶ Adaptive defect detection
- ▶ Reduces the need for manual intervention and calibration



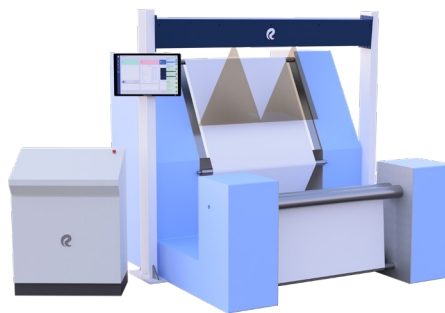
## COMPACT

- ▶ Space-saving
- ▶ Easy integration into existing production lines.
- ▶ Reduces installation and maintenance costs.

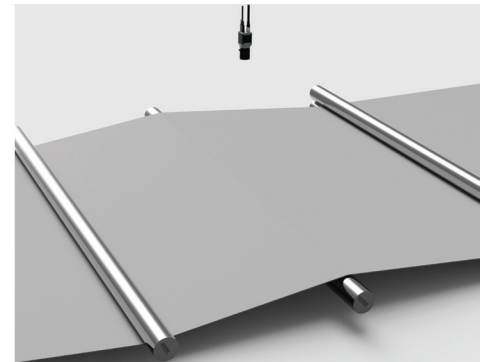
## Set-ups



**FIBC INSPECTION MACHINE**



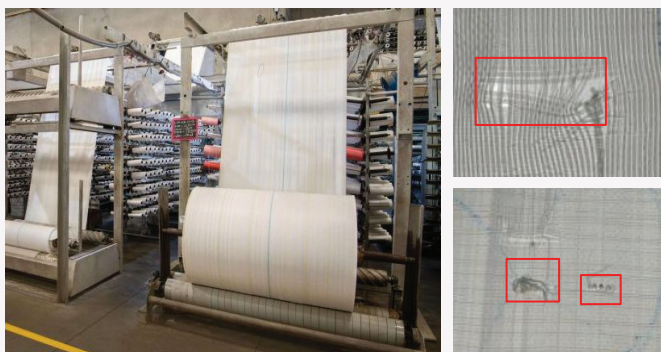
**TEXTILE INSPECTION MACHINE**



**METAL SHEET INSPECTION MACHINE**

## FIBC

FIBC is the kind of material used to make bags which carry heavy-weighting material. Our Web and Surface Inspection Systems ensures that no such defects get past the inspection process.



- ▶ Reduces material wastage.
- ▶ Fast and accurate inspection.
- ▶ Ensures near-perfect quality.

## Textile

The Web and Surface Inspection System enables textile manufacturers to ensure high standard quality inspection and deliver the best.



- ▶ Ensures high fabric and cloth quality
- ▶ Reduces wastage by quick inspection
- ▶ Increases customer satisfaction

## Labels

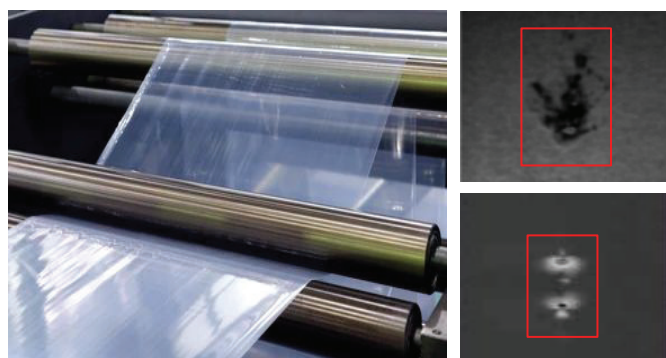
We have a wide range of systems, that can catch different kinds of defects in print materials and labels while testing them for different parameters, making quality control easier for industries.



- ▶ Fast and accurate inspection
- ▶ Increases productivity speed
- ▶ Provides analytics, and reports

## Others

Our Web and Surface Inspection system can inspect a wide variety of material, including inspection based on different measures and parameters. These other materials include.



- ▶ Plastic sheets
- ▶ Metal sheets
- ▶ And many more...

# Value Additions



High speed inspection.



Reduce labor-cost.



Live production insights with cloud technology.



Faster inspection, increases productivity.



Eases record tracking for management.



Ensures high quality to your product.



Boosts your production line.



A digitized IoT framework , tracks machine and operator performance, visualizes quality trends and production speeds through cloud-based reports and analytics.

# Here's What Our Clients Say

