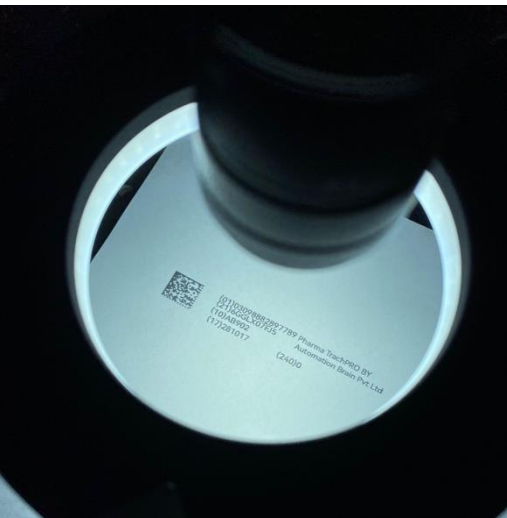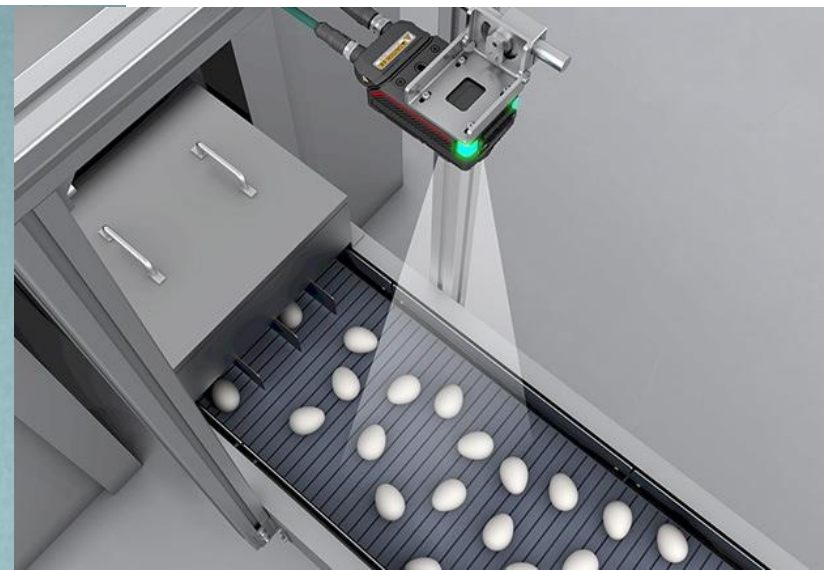# Types of Vision Inspection Cameras

By:Automation Brain Pvt. Ltd.

# Introduction

- Advanced machine vision inspection systems in Pakistan
- Automated quality control and defect detection
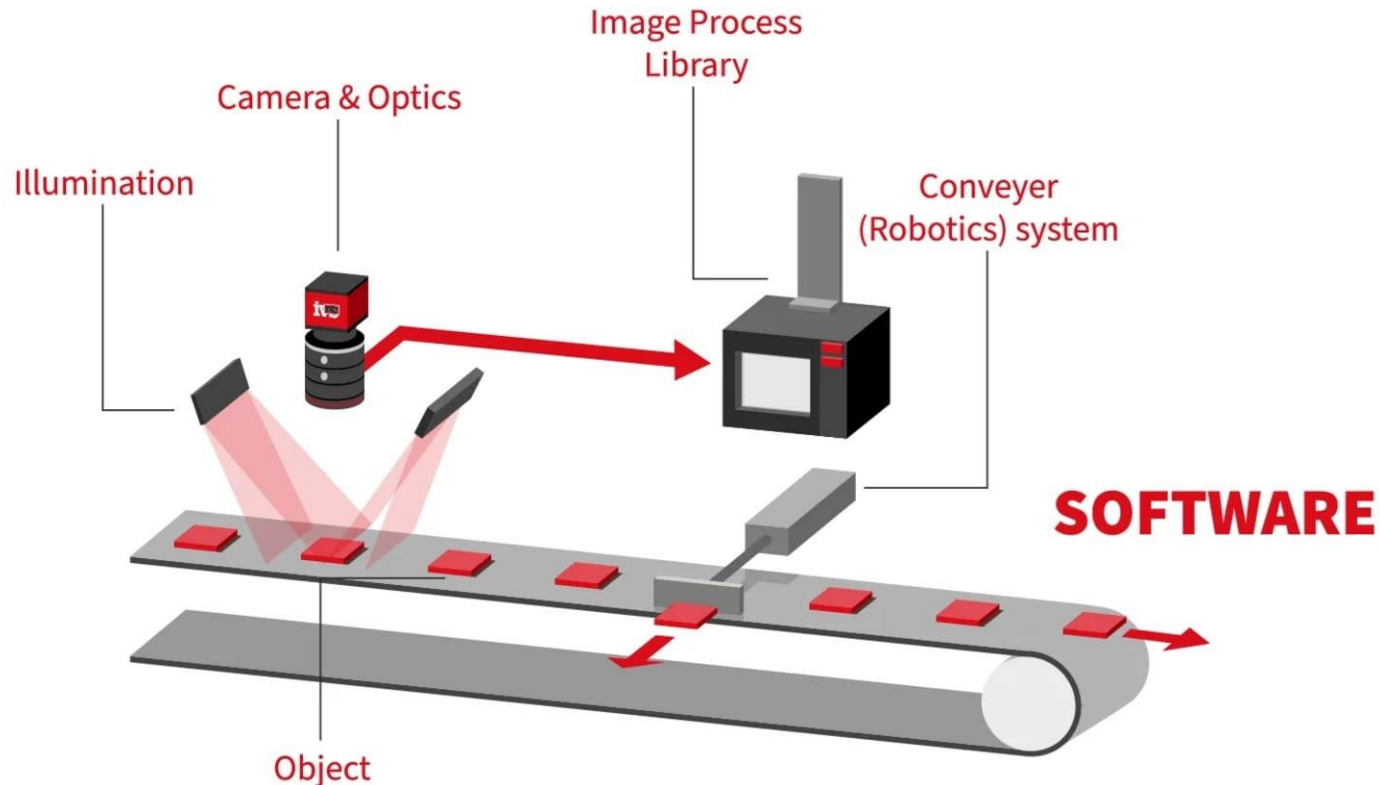- Serving Pharma, FMCG, Textile & Manufacturing sectors

# What Are Vision Inspection Systems?

- Cameras + lighting + lenses + AI software
- Automatic inspection on production lines
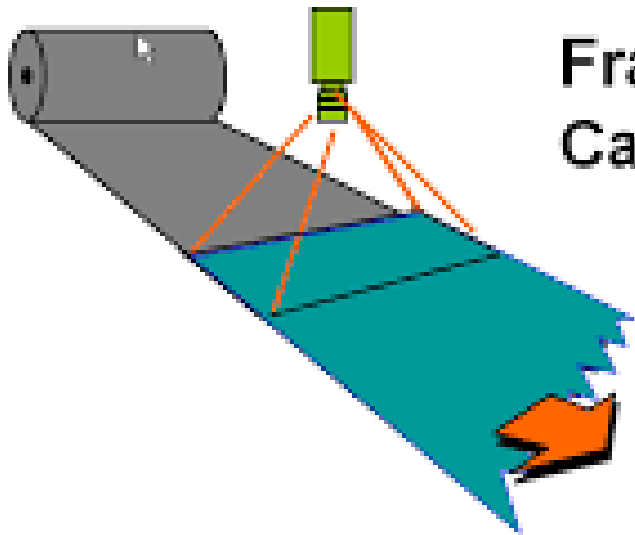- Zero-defect production enablement

# Inspection Capabilities

- Defect detection and measurement
- Barcode & 2D code verification (GS1/DataMatrix)
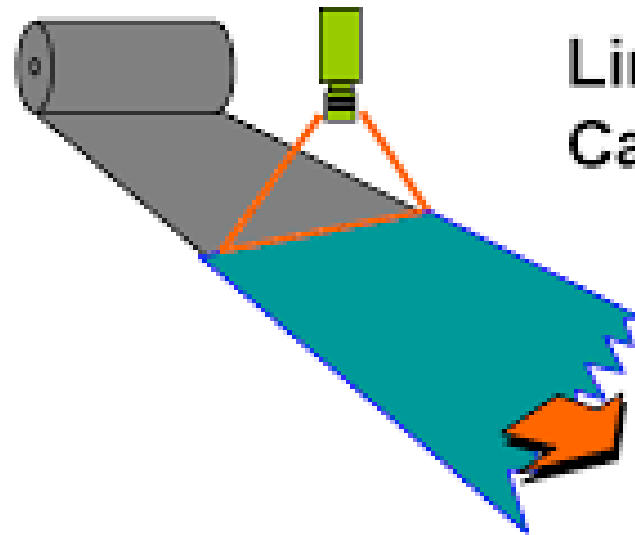- OCR, presence/absence, alignment checks

# Camera Technologies Offered

- Area-Scan (2D) Cameras
- Line-Scan Cameras
- 3D Vision Cameras & Sensors

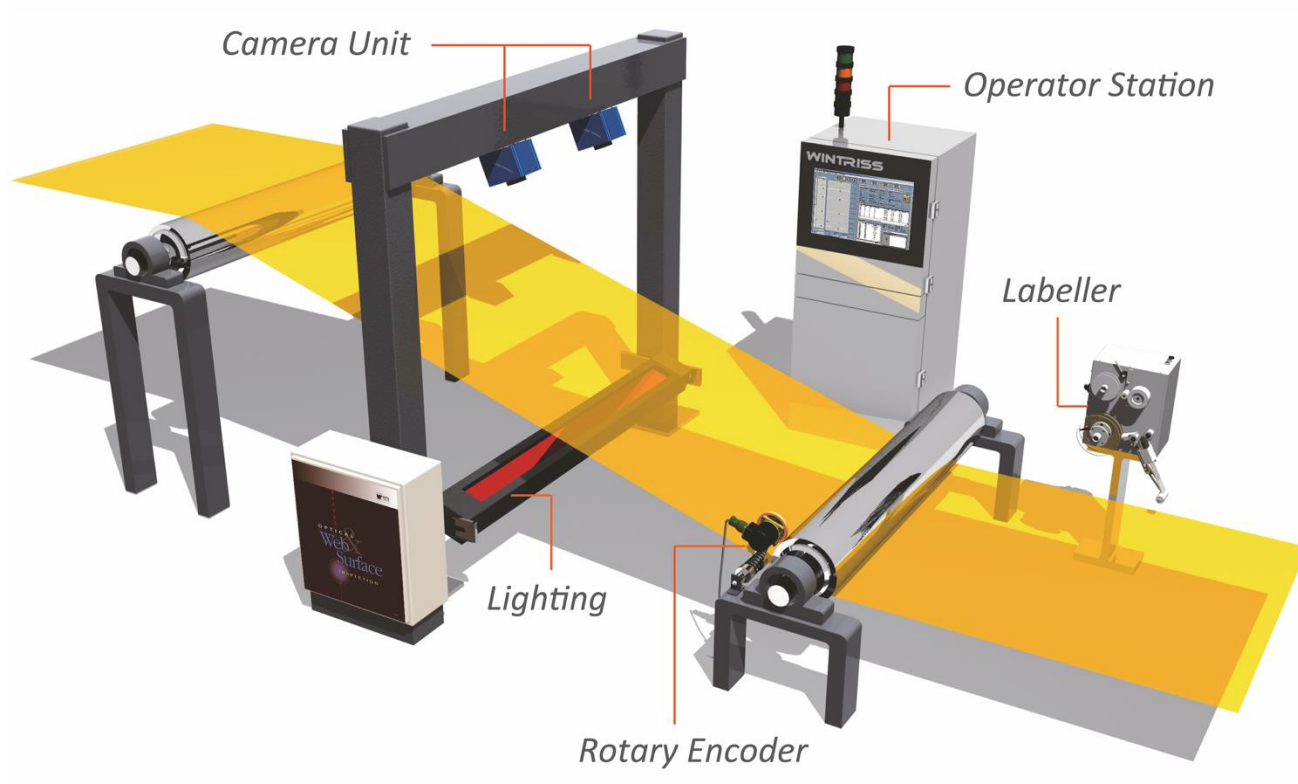Frame Camera

Line Scan Camera

# Area-Scan (2D) Cameras

- Label, text, and print inspection
- Cartons and packaging applications

# Line-Scan Cameras

- Continuous web inspection
- Foil, film, paper production lines



Camera Unit

Operator Station
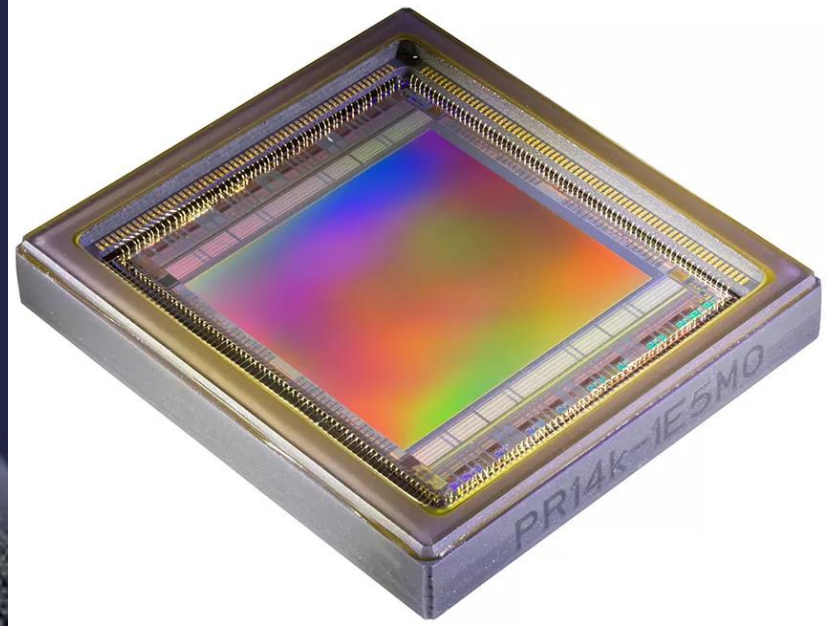
WINTRISS

Labeller

Lighting

Rotary Encoder

# 3D Vision Cameras

- Dimensional measurement
- Fill-level & robotic guidance

# Key Technical Features

- High resolution and fast frame rates
- CMOS global shutter sensors
- GigE, USB3, Camera Link, CoaXPress

# Automation Brain Advantage

- ROI-based solution design

- Customized inspection systems

- Local support across Pakistan

Thank you for your time ☺

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