

Vision EduKit

Smart vision Inspection System for Learning & Research

"An *educational machine vision inspection system* designed to train engineering students in *real-world industrial applications*."

Learning Outcomes for Students

- ✓ Understand principles of **2D machine vision**
- ✓ Perform **real-time** image acquisition and analysis
- ✓ Design and test **inspection algorithms**
- ✓ Simulate **industry-grade inspection** cases
- ✓ User-friendly, real-time **vision software**

10+ Interactive Exercises, Concepts includes



Colour Detection



Defect Analysis



2D matrix



Barcode Reading



Dimension check



OCR



Colour sorting



Presence/Absence



Pattern matching

& so on ...

with **Real life samples** like PCBs, fasteners, etc ...



"Train Today, Transform Tomorrow "



What our **Kit** Has



20 mp Area Scan Camera



50mm lens



8mm lens



50mm ring light



100 x 100 Backlight



Light intensity controller



Stand with holder



Glass Stand



LabVIEW

User-friendly software

Key **Features**



- Designed for education and **hands-on training**
- Covers **core vision concepts**
- All-in-**one compact kit**; easy to use
- **Real-world** industrial applications
- **Plugin-based** modular software architecture

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