When Perfect Quality Counts . . .

Complete Portfolio of Automated Optical Inspection for the FPD & Touch Panel Production Chain

Get in Touch – Get Your Key to the Future
In-Process. High-Precision. Fully Automated – Optical Surface Inspection and 3D Metrology

Remaining competitive in the global FPD market requires producers to meet high customer specifications regarding productivity and quality. Despite high-end manufacturing systems, defects cannot be avoided, but they can be detected! The key to success is dependable monitoring of every production phase and improving the process through constant feedback of the observed results.

Stay on Track to Higher Productivity – with the World’s Smartest Modules for FPD Inspection

The product portfolio of inline AOI inspection modules matches all known tasks and future specifications concerning line speed, tact time, inspection width and resolution. The modules are available for nearly all applications and are open to being extended for further ones. The systems are in use worldwide at every step of the production process chain, not only for quality control, but also for optimizing the processes themselves.

Minimize Costs. Increase Quality. Maximize Yield.

Reach Next Quality Level with Leading Edge Technology from the Global Inspection Leader

Smart Modules

Automated Optical Quality Inspection

**Features Inspection**
- 100% defect detection down to microns
- Advanced pattern inspection
- Real-time color inspection
- Latest camera technology
- Highest resolution (16KPixel / 850 MPixel / sec)
- Special, ultra-bright multi-mode LED illumination
- Protocolling and analysis

**AOI Module**

- Super Thin Glass
- AOI Module
- Float Glass µ-Defect & Optics
- Thin Glass Substrates
- AOI Module
- Overflow / Drawdown µ-Defect & Optics
- Optical Film
- AOI Module
- Optical Film µ-Defects, Haze, Glass

**FPD + Touch Panels + Mobile Devices**

- 2D Surface Inspection Various Cosmetic Defects (Glass, Housing)
- 3D Measurement Shape, Bow, Warp (Glass, Housing)
Application

- AOI modules for all process stages such as
  - Surface defect inspection
  - Color filter and array processing
  - Cell and module assembly
  - After development inspection (ADI)
  - 3D Measurement
  - 3D Surface analysis
  - Review
  - Final inspection
  - High-speed, High-resolution

Overall Benefits

- Fully automated 100% inline quality control
- Direct on-machine improvement
- Superior inspection
- All defects, masks and patterns
- Sophisticated defect classification
- For all process steps
- Minimal personnel expenditure
- Ready for Industry 4.0

The Return on Investment is achieved in the shortest times. Get YOUR Key to the Success — Ask for details.

AOI Modules for Automated Optical Quality Inspection (AOI) for FPD and Touch Panels

FPD Processing

AOI Module
- Coating
  - TFT Pattern & Final Inspection
  - RGB Pattern & Final Inspection
- LCD Inspection
  - PI, BPI & Seal

Mobile Phones + Final Assembly

AOI Module
- 3D Surface Analysis Roughness, Topology (Glass, Housing)

Features 3D Measurement

- Superior 3D measurement and analysis
- In-Process
- Accuracy down to NANOMETER
- Roughness, flatness, topology
- Micro structures
- And more …
Innovations for Automated Optical Inspection

We Are the Innovators in Optical Inspection.
Best Practice. Best System. Best Service.

For over two decades, ISRA VISION has become a leading manufacturer of highly accurate automated optical quality inspection systems.

More than 10,000 successful applications attest to our experience in the field of machine vision products – and our ability to innovate.

Customers choose ISRA for the ability to develop products consistent with their requirements. Benefits are the identification of high efficiency enhancements and cost saving potentials. To achieve this goal, more than 650 employees at locations worldwide are working to contribute to your success.

Your Global Partner for Surface Inspection.

We offer our experience and a highly qualified team of experts to design and implement solutions for advanced applications.

We assure that our mission starts beyond our shipping dock. Just challenge our Customer Support Center.

We guarantee excellence to our customers – from consulting to service, from tailored solutions, to worldwide support. We can make your business more competitive.

Challenge Us.
Inspect to Control – with ISRA VISION

ISRA VISION

Optimize your ROI with the technology leader ISRA

www.isravision.com