

## FA Inspector (Desktop AOI Scanner)

### First Article Optical Inspection System

The FA-Inspector is a scanner-based optical inspection system used to automate first article inspections and ongoing production quality inspection tasks. Both AOI and Comparator Modes generate comprehensive reports complete with error locations and fault classifications marked on the PCB image or XY layout for easy rework. Reports can be viewed, printed, saved or emailed to customers for rapid prototype review or line release approval.

#### Features:

- Quickly, accurately verify assemblies to BOMs
- Display image, Part ID and XY in one view
- Reduce inspector fatigue and improve accuracy
- Eliminate 99.9% of human error related faults
- View, store email or print fault reports / traveler tickets
- Built-in Barcode and SPC tracking support

#### Defect Coverage:

- SMT/PTH Component inspection down to 0402
- Part Presence/Absence validation
- Part polarity and Pin #1 identification
- Parts marking, color (lot/mfr. differences)
- Part Position and Skew error Identification
- Solder defects (shorts)

#### Specifications:

- System Weight: 100 Lbs. (45Kg)
- Board handling: up to 19 x 24" (483 x 610mm)
- Inspectable Area: 11 x 16" (279 x 406mm)
- System Footprint: 27.5 x 22" (699 x 559mm)

#### Software Applications

Two modes of operation "Comparator" and "AOI".

##### AOI Mode:

Allows inspection routines to be "taught-once and run many times" semi-automatically, without programming.

##### Comparator Mode:

Allows operators to perform fast "comparisons" of two or more PCBs with minimal setup (<5min.).

##### Layout Viewer and CXF Editor:

Built-in utilities for fast easy XY, CAD and BOM validation, comparison and correction.



FA-Inspector™  
Desktop AOI Scanner

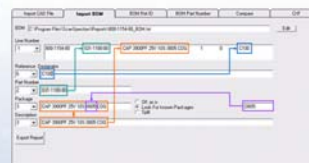
AOI Mode  
Screens



Comparator  
Mode Screen



Layout Viewer Tool  
& CXF Editor Screens



#### About FocalSpot

FocalSpot, Inc. is recognized worldwide as a leader in the design and manufacture of affordable high-quality x-ray inspection systems; providing Inspection and Rework solutions for Electronic Manufacturers worldwide. FocalSpot is also a regional distributor and value-added reseller for DEN-ON BGA/SMT rework solutions; Optilia BGA/SMT video microscopes; and First Article AOI Inspection Systems; providing sales, service and support in North/South America, Canada and Mexico.