

JDz 350L



AOI system 🛓

- ✓ Automatic Optical Inspection of PCB assemblies
- $\sqrt{}$ Inspects:
 - Components: missing, type, polarity, offset, text, colours etc
 - Soldering: Post Reflow, Post Wave, Selective, Manual
- $\sqrt{\rm Flexible}$ classification and MES integration Scenarios via SQL or XML (option)
- $\sqrt{-}$ Online self training and installation via iMentor
- $\sqrt{\rm RGB}$ angular lighting system with 3D Meniscus Profiler
- $\sqrt{}$ Low Noise Large CCD 24 bit Colour Camera High Speed USB3 Vision interface
- $\sqrt{\rm Programmable}$ from library or Golden Components
- $\sqrt{1}$ Prototype mode for 1st off inspection
- $\sqrt{10}$ High Speed inspection

JDz 650L

Test your PCB's optically and replace manual inspection

Full inspection coverage at an entry level price. Powerful algorithms to achieve an optimal balance between defect detection and false reject levels in shortest time

Integrate AOI efficiently in your existing operations and factory IT systems

Comprehensive and easy to use online training suite

Reliable solder joint and slope analysis

Capture card free design. 1.5x faster than Camera Link

Be flexible; from manual till full library programming depending on your product

Program in minutes to verify your production line is set-up correctly before starting full production

30% faster than previous generation of iSpector



The latest generation Mek iSpector desktop AOI is designed as an entry-level system for customers with low volume, high mix production requiring high-quality AOI with a low price tag.

iSpector is able to inspect component bodies and solder joints by use of DOAL, Main and Side LED light sources from three different angles. Creating a meniscus profiling light pattern.



Using our Colour Histogram analysis provides accurate and reliable inspection results, With low false calls.



Solder fillet: Side red LED + Diffuse-On Axis LED

Providing a rapid and repeatable inspection process, at an affordable cost, the entry-level AOI system combines high performance and the lowest cost of ownership.

It is fast to install with the help of the iMentor online training and is exceptionally easy to program.

iSpector a full fledged AOI system, Lead screw and Servo drive system. Designed to be the ultimate in value for money. Utilizing software which has been developed for over 20

Clean and Simple Interface

With powerful features. Full programming capabilities, Solder inspection, Component presence/absence, Polarity and Value.

Import NC Data from your pick and place system or most popular CAD/CAM software. Utilizing our extensive custom Libraries to provide fast programing times and reliable results with low false fails.



IC polarity: Diffuse-On Axis LED



Text of laser printing: Side lighting



Detect dark colored component: Main lighting + Diffuse-On Axis LED







Included Z axis allows the inspection of taller components and hybrid PCBs



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mek

iMentor is MEK's extensive and exclusive online training system that covers all aspects of the MEK AOI software. From basic to advanced operation including videos. It is frequently updated to covers new features in the latest software.

> Instructions on how to install updates , make backups and Special application notes.

Latest software releases and Inspection library updates. Searchable topics. Also available in multiple languages.

A unique Login is provided for each customer. As well as access to our user forum.

Optional on site training is also available.

PostareSOL

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DATA

Optional Data collection, Offline Repair/Review and SPC Analysis. The **Catch system** which comprises **CSCenter** data collection and remote monitoring, **CSRepair** Offline defect review and repair software, and **CSAnalyser** SPC and trend analysis. **PostgreSQL** enterprise grade database storage. Catch is a fully scalable solution from single AOI stations to 40 plus machines



catch system

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CS Watch

CS Analyzer

Inspection can be tracked and recorded. Assigned to Barcode read from the PCB's at the AOI.

CS Center

Base formats including Datamatrix, QRcode, Code 128 and Code 39. As well as allowing multiple barcodes per panel.





Optional Offline programming and Debug. **OLT22X** Uses images captured from the AOI to create full AOI programs and can also be used in conjunction with the AOI to do live offline programming debug.

The offline programming software Simulates the machine and can therefore perform almost all the same functions during programming that are available on the AOI system.



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CS Repair





Maximum PCB Size 350x250mm (13.77* x 9.84') 650x520 (25.6* x 20.4) Characteristics Product type Automatic Optical Inspector In-line/Off-line Intime Movement type Camera X, Y PCB movement Static Conveyor PCB fixation North South Clamping, PCB Edge lift Parts inspection Presence, Polarity, Offset, OCX, Soldering Distinction principle Synthetic Imaging, Spectral Analysis, Greyscale limits Distinction principle Trave V/2 Camera Field Of View/ As 0 (0.1 / 2 × 1.18*) Specifications Image: Specification Minimum inspection O201* (15µm resolution)	Desktop Series Specifications	iSpector JDz 350L	iSpector JDz 350L
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External size (W 27.5" x D 23.6" x H 51.1") (W 42.1" x D 46" x 52.3")	Operating humidity	15-80 % RH	
Weight 210 kg (463 lbs) 240 kg (529 lbs)	External size		
	Weight	210 kg (463 lbs)	240 kg (529 lbs)

Marantz Electronics reserves the right to change the design and specifications without notice. © Mek Europe BV, December 2015

Represented/Distributed by:

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