



UltraVision



See the

**future**

of AOI

DCB AUTOMATION LIMITED

[www.dcbautomation.com](http://www.dcbautomation.com)

# The UltraVision AOI

UltraVision is the new generation of AOI from DCB Automation which will push the boundaries to new levels of inspection capabilities not previously seen from bench top AOI systems at an affordable price.

**Now fitted with telecentric lens as standard providing a resolution of 10.6um.  
True Laser IC leg & BGA coplanarity inspection option**

This unique way of inspecting IC pins makes UltraVision the solution to this difficult issue and investment in our AOI system is now "future proof" at an acceptable cost

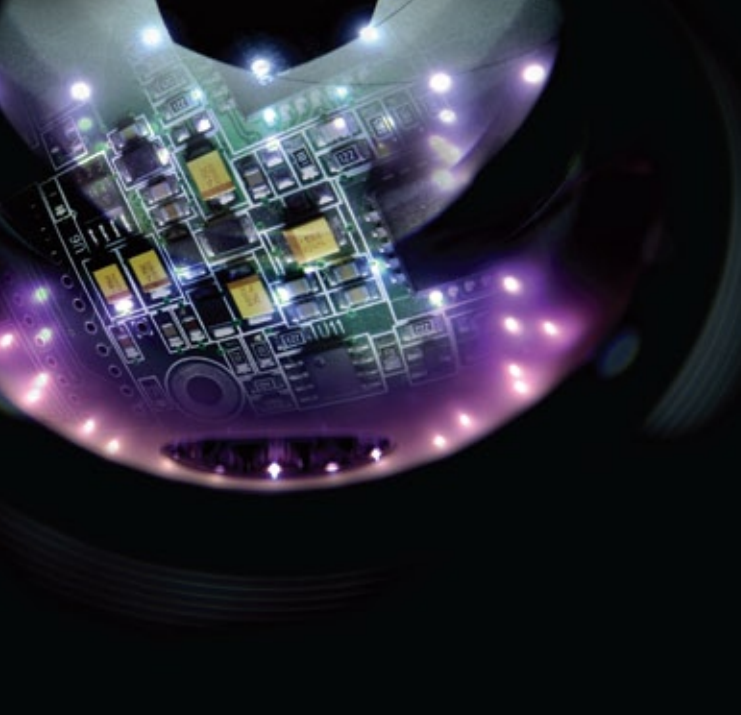


- ▶ 4M Pixel CCD colour camera providing 10.6um pixel resolution - suitable for 01005 components
- ▶ State of the art microstepping motions for accurate positioning of the X/Y camera gantry
- ▶ Faster inspection speeds due to 22mm x 22mm inspection frame
- ▶ Standard inspection area 450mm x 450mm
- ▶ Tray for board handling with tooling that allows for multiple board inspection in a single pass
- ▶ 3 tier coloured LED lighting for accurate solder inspection
- ▶ Intuitive and easy to use DCB in-house developed software for rapid program generation using model libraries and new rule based algorithms
- ▶ Clear and concise screen details for fault analysis
- ▶ 22" widescreen TFT monitor and high specification dual core processor PC
- ▶ Off-line software included for programming and rework facility
- ▶ UK designed and manufactured

**UltraVision will provide faster inspection of large complex boards with inspection capability down to 01005 components using the latest 4M pixel CCD camera with 3 tier coloured LED lighting for improved solder inspection.**

<b>Inspection machine dimensions</b>	960mm W x 960mm D x 450mm H	UltraVision Weight 85Kg Remote PC & Monitor Weight 25 Kg	
Power	230v AC	50/60 Hz	500W
Board Clearance	Above 35mm	Below 45mm	
Inspection Area	450mm x 450mm		
Camera	4 Mega Pixel	Colour CCD	Firewire B
Remote Computer Specification	Intel Dual Core Processor	22" Widescreen TFT	DVDRW 3.5" Floppy drive
	Wireless keyboard & mouse	10/100 network	USB ports
Inspection Data	Exportable for SPC	Formatted output	PPM Analysis
Built in Printer	Thermal Paper	57mm wide	
Off-line software	Programmer	1st Off Verify	Rework





"We've had a working relationship with DCB for two years and have been impressed with their understanding of our business and ability to meet our technical requirements, which is why we purchased the latest UltraVision AOI system for the post reflow inspection of our complex high mix production".

**Paul Jackson**  
Technical Manager  
Axis Electronics Limited.

Contact us to see what you've been missing and to arrange your own on site demonstration or evaluation of UltraVision AOI.



DCB Automation Ltd  
Unit 10 Belfont Trading Estate  
Halesowen  
West Midlands  
B62 8DR

t. +44 (0) 121 585 9229  
f. +44 (0) 121 585 9339  
info@dcbautomation.com  
www.dcbautomation.com

DCB Automation Ltd have a policy of continuous product development and reserves the right to change specification without notification.