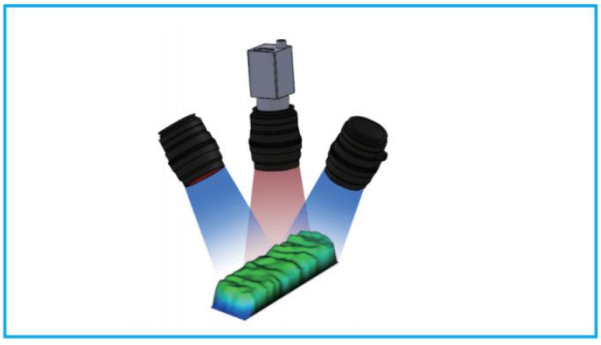
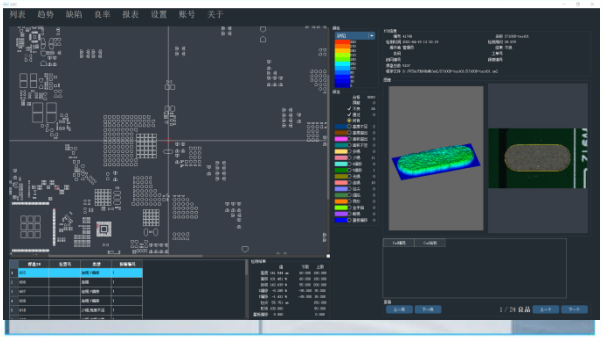
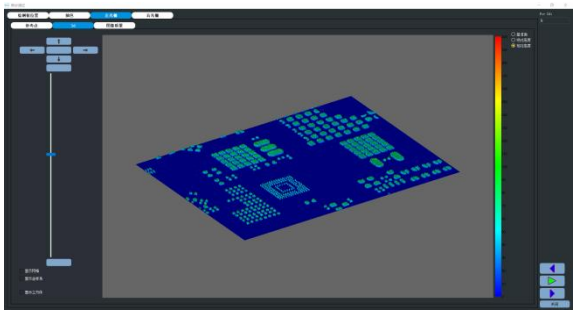
VCTA-V860L 3D SPI

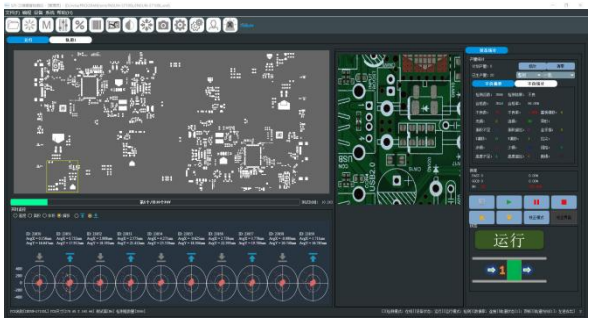
Advantage Features:

- PMP technology based on White Moire fringe light，height resolution 0.37um
- Dual 3D Projection systems to avoid shadow and reflection
- Digital High Speed Camera 5M Pix，and 12M, 20M for options
- High Speed inspection capability
- High accuracy and repeatability（CPK 1.67，GRR<1%@3sigma)
- Auto warpage detection
- Solder paste or red gum detection
- 2D/3D true color image display
- Simple Programming, average 5-10 mins
- Gerber 274D/X、CAD，Offline program，Bare Board Teach
- Powerful SPC software
- Automatic 1D 2D BarCode reading
- Support close loop function with printer machine
- Support MES connection









Optimum Technical Solutions Ltd. 5 Oakdale Mills Delph New Road Oldham OL3 5BY
info@optimumtechnical.co.uk 01457359003

VCTA-V860L 3D SPI Specifications

CATEGORY	ITEM		Specifications
Inspection System	Camera		Digital High Speed CCD 5M Pixel (12MP for Option)
	Lamp-house		Ring R/G/B/W LED
	FOV		45*36mm(18μm） @5MP 38*30mm(15μm） @5MP 48*36mm(12μm) @12MP 40*30mm(10μm) @12MP
	Speed Per FOV		0.3~0.45s
	Items		Paste Solder/Red gum: Volume、Area、Height、Shape、Shift、Bridge、Overflow
	Defects		Missing、Shift、Excessive, insufficient, Bridge、Pull、Collapse, Shape、Gold finger、Height、Overflow
	Height Range		1~1000um
	Area Range		0.15mm×0.15mm~10mm×10mm
	Height Detection Resolution		0.37um
	Height Accuracy on Certificated Target		1um
	Height/Area/Volume Repeatability		<1%@3sigma
	GR&R		<10%
Mechanism System	PCB Conveyor		Bottom-up fix; Auto transmit and width correct based on SMEMA;Height: 900±20mm
	PCB Size		50x50mm~510x460mm (Larger for option on cost)
	PCB Thickness		0.5~5.0mm
	Max PCB Warp		<2mm
	X,Y Platform	Driver	AC servo system
		Orientation	<1μm
		Moving Speed	700mm/s
Software System	Operation System		Microsoft Windows 11 proX64
	Control& Recognizing	Characteristics	Dual 3D Projection，avoid shadow and reflection
		Operation	Graphic programming, Chinese, English
		Result	2D/3D true color
		MARK	2 Common Marks can be chosen, or

			muti-marks can be chosen and skip function of array boards
		Programming	Gerber 274D/X、CAD，Offline program，Bare Board Teach
		Barcode Recognition	One dimensional code, 2D Barcode
		MES Support	Standard port available
	SPC	Offline SPC	Support
		SPC Chart	Any Time Chart(（excel、jpg、bmp ），histogram and control chart to show volume、area、height、shift
Control System	Computer		Industrial computer： Intel Quad-core CPU Memory:32G，Hard disk:2TB
	Display		19 inch TFT
Others	Air Supply		0.5MPA,40cm^3/min
	Machine Dimensions(L*W*H)		1148x1260x1660mm
	Weight		About 750 KG
	Power Supply		AC220V±10%，50/60Hz，1200W
	Working Environment		Temperature: 10-40℃，Humidity: 30-80%RH

Equipment Picture:

