

---

## Advanced online AOI EKT-VL-800



I 5 million pix full-color high speed digital camera (16/20 million pix optional), ensure high efficiency, high quality and high stability of image shooting, restore the real and natural image effect.

I Windows 7 x64 operation system?high data processing speed.

I GPU independent hardware processing images, while CPU processing non-image computing?so as to balance the efficiency of computer system.

I Thousands of sales, advanced and upgraded configuration and continuous technological innovation based on 6 series AOI products, high stability and efficiency.

I Optional telecentric lens with high resolution, unique parallel light design, PCBA tilted or tall components can be distinctly displayed.

I Intelligent and fast programming?intelligent algorithm, no need of manual intervention, easy to learn, high detection rate, low error rate.

I Flexible and mobile maintenance station and SPC checking terminal.

Mobile devices under wireless network, working station can be set up flexibly on workshop in one to many mode: the detection data of multiple online machines can be checked through one maintenance workstation, the defect details are clearly reported. SQL data system are well-defined, SPC report with pie chat and histogram, very convenient for customer process analysis and quality improvement.

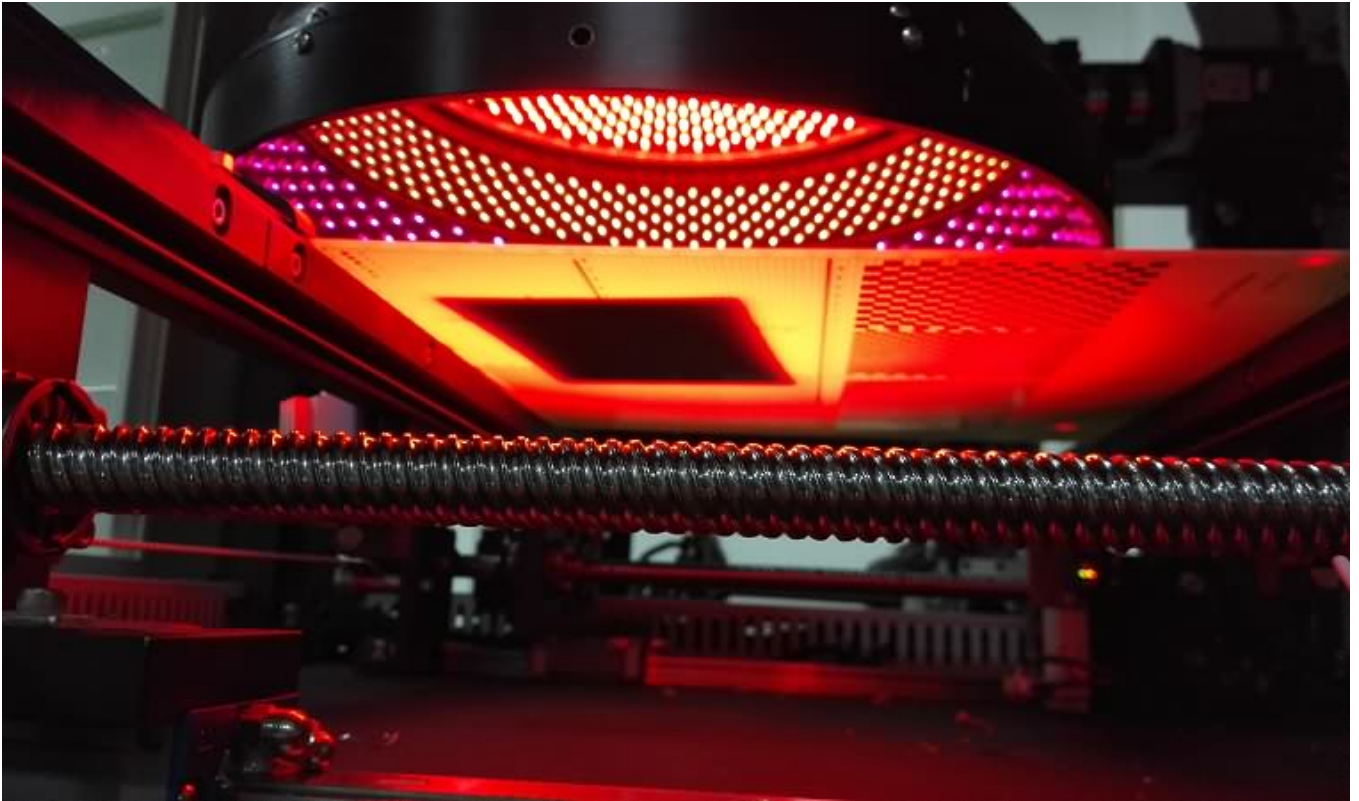
I Convenient and practical offline programming software OLP. PCB genuine image can be taken in real time and stored in full memory, ensure high efficient programming under circumstances of either online or offline.

### Specifications: EKT-VL-800

Inspection system	Application	After stencil printing, pre/post reflow oven, pre/post wave soldering, FPC etc.
	Program mode	Manual programming, auto programming, CAD data importing
	Inspection Items	Stencil printing: Solder unavailability, insufficient or excessive solder, solder misalignment, bridging, stain, scratch etc.
		Component defect: missing or excessive component, misalignment, uneven, edging opposite mounting, wrong or bad component etc.
		DIP: Missing parts, damage parts, offset, skew, inversion, etc
		Soldering defect: excessive or missing solder, empty soldering, bridging, solder ball IC NG ,copper stain etc.
	Calculation Method	Machine learning, color calculation, color extraction, gray scale operation, image contrast
	Inspection mode	PCB fully covered, with array and bad marking function
	SPC statistics function	Fully record the test data and make analysis, with high flexibility to check production and quality status
Optical system	Minimum component	0201 chip, 0.3 pitch IC
	Camera	5 million pix full color high speed industrial digital camera ,20 million pix camera optional
	Lens resolution	10um/15um/18um/20um/25um, can be custom-made
Computer system	lighting source	Annular stereo multi-channel color light, RGB/RGBW/RGBR/RWBR optional
	CPU	Intel i7 3.40GHz
	RAM	16GB
	HDD	1TB
	OS	Win7 , 64bit
Mechanical system	Monitor	22inch?16:10
	Moving and inspection mode	Y servo motor driving PCB, X servo motor driving camera
	PCB dimension	50*50mm(Min)?400*360mm(Max)? can be customized
	PCB thickness	0.3?5.0mm
	PCB weight	Max?3KG
	PCB edge	3mm?can be customized base on need
	PCB bending	?5mm or 3% of PCB Diagonal length
	PCB component height	Top?35mm?Bottom?75mmAdjustable, can be customized base on need
	XY driving system	AC servo motor, precise ball screw
	XY moving speed	Max?830mm/s
	XY positioning	?8um

General parameters	accuracy	
	Machine dimension	L980 * W980 * H1620 mm
	Power	AC220V?50/60Hz?1.5KW
	PCB height from ground	900±20mm
	Machine weight	550KG
	Connection with other SMT machine	Smema
	Air pressure	0.4 – 0.8MPa
	Safety standard	CE safety standard
	Environment temperature and humidity	10?35??35?80? RH(non condensing)
Optional	configuration	Maintenance station, offline programming system, SPC servo, bar code system





Product link : <https://www.aoiekt.com/advanced-online-aoi-ekt-vl-800.html>