

ND-800



Inspection system Application: After stencil printing, pre/post reflow oven, pre/post wave soldering, FPC etc.

Inspection Items:

- 1) **Stencil printing:** Solder unavailability, insufficient or excessive solder, solder misalignment, bridging, stain, scratch etc.
- 2) **Component defect:** missing or excessive component, misalignment, uneven, edging, opposite mounting, wrong or bad component etc.
- 3) **DIP:** Missing parts, damage parts, offset, skew, inversion, etc
- 4) **Soldering defect:** excessive or missing solder, empty soldering, bridging, solder ball, IC NG ,copper stain etc.
- 5) **Calculation Method:** Machine learning, color calculation, color extraction, gray scale operation, image contrast.
- 6) **Inspection mode:** PCB fully covered, with array and bad marking function.
- 7) **SPC statistics function:** Fully record the test data and make analysis, with high flexibility to check production and quality status.
- 8) **Optical system:**
 - 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.
 - Lighting source Annular stereo multi-channel color light, RGB/RGBW/RGBR/RWBR optional.
- 9) **Minimum component:** 0201 chip, 0.3 pitch IC.

NeoDen ND800 online AOI machine SPC statistics function: Fully record the test data and make analysis, with high flexibility to check production and quality status.

Technical Specifications:

Model	Nd800
PCB Thickness	0.3mm~5mm
Max. PCB Size (X x Y)	400mm x 360mm
Min. PCB Size (Y x X)	50mm x 50mm
Max. Bottom Gap	75mm
Max. Top Gap	35mm
Moving speed	830mm/Sec(Max)
Transmission height from the ground	900±20mm
Air pressure	0.4 – 0.8MPa
PCB bending	<5mm or 3% of PCB Diagonal length
Power	AC220V, 50/60Hz, 1.5KW
Machine dimension	980mm * 980mm * 1620mm
Weight	550KG

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