

Optically inspect any item for production and process compliance to receive real-time alerts for deviations and anomalies. For example, inspect PCBs during every stage of the production process.

| AP435 Stencil Printer | | MC389 Pick & Place | | CT Series Conveyor | | CR5000 Reflow Oven | |
|-----------------------|----|-----------------------|----|--------------------|----|--------------------|--|
| Solder Paste Check | | Component Place Check | | Post Reflow Check | | | |
| Total Boards: | 36 | Total Boards: | 34 | Total Boards: | 31 | | |
| Good Boards: | 33 | Good Boards: | 28 | Good Boards: | 31 | | |
| Check Boards: | 2 | Check Boards: | 4 | Check Boards: | 0 | | |
| Bad Boards: | 1 | Bad Boards: | 2 | Bad Boards: | 0 | | |

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|--|--|---|--|---|--|--------------------|--|
| Solder Paste Check | | Component Place Check | | Post Reflow Check | | | |
|  | |  | |  | | | |
| Board Status: Good | | Board Status: Inspect R14 | | Board Status: Good | | | |
| Board Type: Model 379 | | Board Type: Model 379 | | Board Type: Model 379 | | | |

- ✓ Identify Board Deformation or Other Bare PCB Issues
- ✓ Check for Solder Bridges or Improper Stencil Printing
- ✓ Confirm Component/Parts Placement
- ✓ Identify Defects Including Misaligned Placement, Missing Parts, Damaged Components, Shorts
- ✓ Reads PCB Board Number to Align with Job Number, Lot Number
- ✓ Yield Per Job

This solution aids the QA/QC process by recognizing and identifying non-compliant PCBs including pinpointing the precise location of the error(s). With accuracy of over 98%, it becomes an indispensable aid to manual inspections. For maximum effectiveness place along your SMT line to inspect bare PCB, PCB with solder paste, loaded PCB and finished PCB.

The entire kit is built around Ectron's Edge Node (for Cloud data analytics) or Intelligent Edge Node (for Edge data analytics). Both aggregate and interpret sensor data. The data can be viewed on a customized dashboard or sent directly to your existing ERP solution or other business intelligence software.

Standard Configuration of the Market Ready Kit is:

- ✓ 1 Edge Node or Intelligent Edge Node
- ✓ 1 Camera
- ✓ 1 Camera Stand (w/ attachment)
- ✓ 1 USB Cable

- ✓ Plug-and-Play
- ✓ Installed in 1 Day
- ✓ No Changes to Equipment
- ✓ No Engineering or IT Staff Required
- ✓ Instant Access
- ✓ Installation Assistance Available

This Market-Ready Kit is offered by Ectron and its partner Balluff

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