

Productivity improvement support software
Q-up System focusing on quality
 (Q-up Navi / Q-up Auto)

Omron supports "manufacturing without defects".

Along with changes in the trends of the world, "manufacturing" has also undergone a major change with significantly increased quality level requirement.

To support 4Ms "Man (worker)", "Machine (facility)", "Material (raw materials)", and "Method (work method)" and to continue manufacturing high-quality products.

Omron proposes Q-up System that performs linking of data from facilities, collection and monitoring of the data, as well as making improvements, based on the quality information of inspection system. This allows real-time capturing of "changes that affect quality" of 4Ms in production fluctuations, and assisting efficient improvement activities.

ADAS

Automated operation

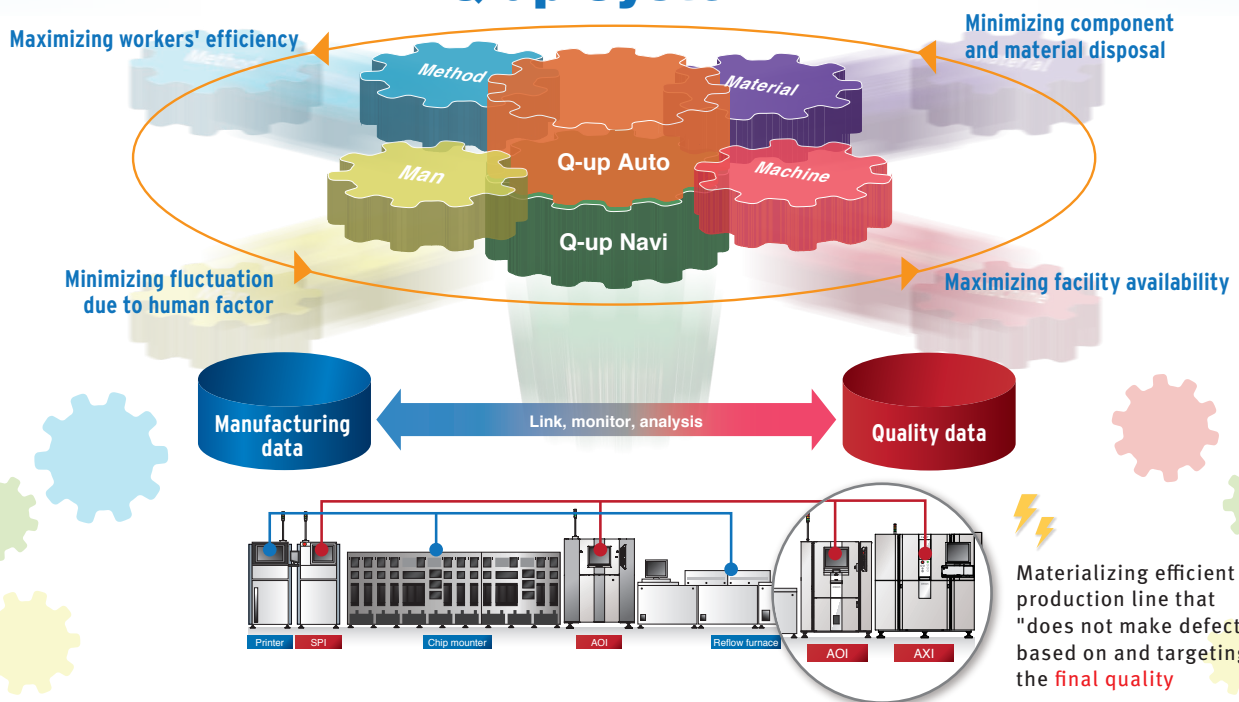
Lack of exports

Change of production site

Environmental conservation

Change of products

Q-up System

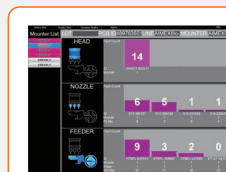
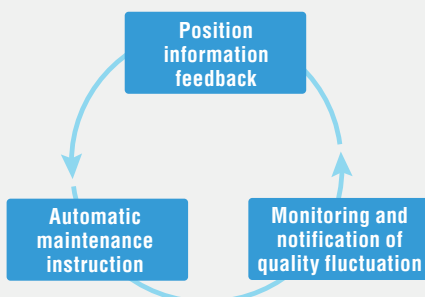


Q-up Auto

Linking quality data of the inspection system and manufacturing data of production equipment (e.g. printer and mounter) with real-time error alert.

NEW Preventing defects in mounter process

Real-time checking of quality fluctuation in mounter process allows detection of a defect sign for prevention



Defect trend display on a mounter basis

- You can locate a defect on a mounter, nozzle, head, and feeder basis
- You can also isolate the fact that the mounter process has no defective tendency



Display of monitoring and notification of quality fluctuation

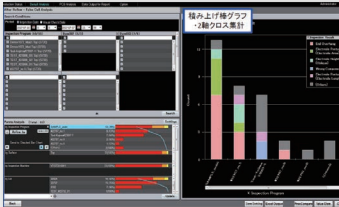
- Fluctuation management can be automated
- A sign can be detected



Q-up Navi

Analyzing quality data (e.g. defect images and inspection result) from inspection systems and productivity information (defect/false call rate).

Coming soon Inspection result analysis



Displaying analysis result based on predefined conditions



Anyone can analyze data without depending on an expert

Process comparison



Displaying all components with inspection result of each process linked



You can understand the defect occurrence process at a glance

Color map

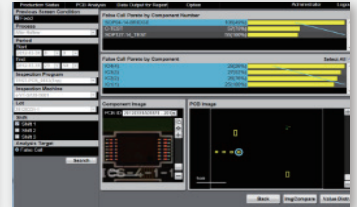


A matrix of "component" and "time" is displayed showing quality fluctuation



Easy to identify sudden defect and tendency defect

Displaying production status



Displaying transition of inspection defect rate and actual defect rate



Easy to identify an item to improve

Collaboration with facilities of other manufacturers

Mounter manufacturer

- FUJI corporation
Nexim
- Panasonic
iLNB

Printer inspection system manufacturer

- CKD Corporation
VP series

- This document provides information mainly for selecting suitable models. Please read the Instruction Sheet carefully for information that the user must understand and accept before purchase, including information on warranty, limitations of liability, and precautions.
- This product may cause interference if used in residential areas.

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