



Case Study



Quality Control & Work-In-Process Tracking

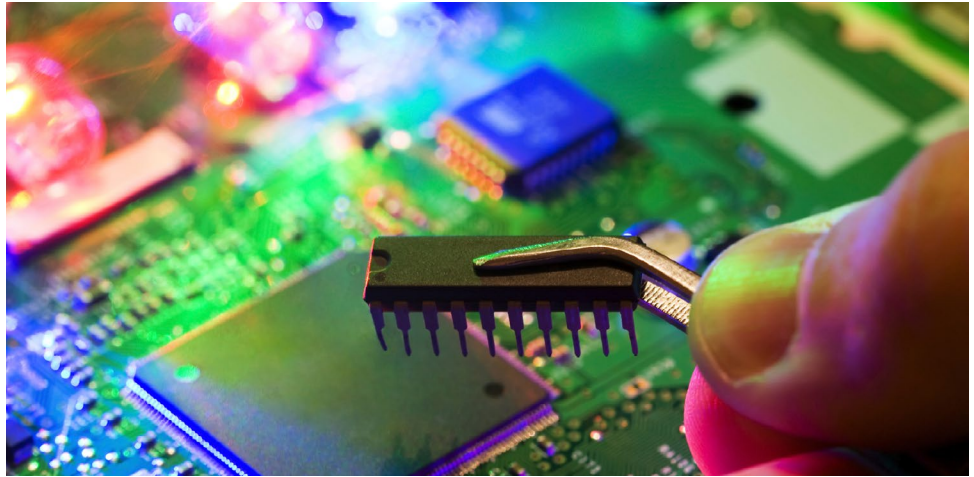
BUSINESS CHALLENGE

The solder paste manufactured by Harimatec is mixed from a variety of raw materials. During production, the wrong amounts of certain raw materials were sometimes mixed into the products. In other cases, the wrong raw materials were used. Harimatec also had difficulty moving product out of its facilities before it expired because it was unable to effectively track expiration dates.

SOLUTION | The company needed a system that would provide an efficient and accurate process to measure and track materials.

Harimatec's parent company in Japan and a sister company in Malaysia were already using a barcode labeling solution from SATO for this process, so Harimatec was able to utilize this existing application, saving the company significant time and development cost.

Using SATO CL408e label printers and a high-precision weighing balance from A&D Instruments, Harimatec measures



Harimatec Has Increased Efficiency and Reduced Number of Production Errors

and labels all raw materials used in its production processes. The company tracks lot numbers (both internal and those used by suppliers), expiration dates, and material quantities using the system.

Raw material is marked with labels that include the material name and number, along with a Code 39 barcode. Product labels, including the name, net weight, and date of production, are applied by hand to each plastic container of solder paste.

Labels are scanned throughout the production process to ensure that the correct amount of raw material is used. With the help of the automated system, Harimatec has increased efficiency and reduced the number of production errors. This has led to savings in raw material waste, indirect costs, and labor.

The labeling system is integrated with hand-held barcode scanners from Welch Allyn and SATO's Label Gallery software. Harimatec also plans to deploy a similar system at its manufacturing facility in the Czech Republic.

BENEFITS:

- Avoid mixing wrong raw materials or wrong material amounts
- Expiration dates are controlled via first-in/first-out system
- Increased efficiency
- Reduced raw materials waste, indirect costs and labor

SATO AMERICA CORPORATE

10350-A Nations Ford Rd
Charlotte, NC 28273
Phone: (704) 644-1650
Fax: (704) 644-1662
sales-sallc@sato-global.com

LABEL MANUFACTURING, SERVICE & SALES

UNITED STATES MEXICO CENTRAL AMERICA
CANADA CARIBBEAN

www.satoamerica.com

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