Case study
Manufacturing

Barcode Traceability Solution Enhances Production Visibility and Accuracy







THAI DNT PAINT MFG. CO.,LTD (DNT), established in 1969, is a leading paint manufacturer in Thailand that specialises in supplying modern and innovative paint products to the automotive industry.

Customer Challenges

- Limitations of Manual Approach

Without harnessing technology, DNT staff had the challenging task of manually tracking and managing large quantities of incoming raw materials required for paint production.

- Labour-Intensive & Inefficient Operations

Without the support of a robust systematic solution in place, and relying solely on the human efforts of staff, their operations was labour-intensive and inefficient.

- Production Planning Challenges

Without the aid of technology, DNT faced production planning challenges relating to the registration of raw materials, ensuring sufficient quantities are stocked in the warehouse, as well as wastage minimisation.

SATO Barcode Traceability Solution Enables Production Visibility and Drives Onsite Efficiency

Before implementing SATO solutions, DNT relied on the manual approach at their manufacturing facility. Staff had to use their human efforts to physically track, verify and register large quantities of incoming raw material components.

In addition, without the aid of technology, they also faced challenges during the paint production process relating to the mixing and dispensing of raw materials which might potentially affect the quality of their paint outputs.

DNT turned to SATO's robust barcode traceability solution to help them improve their operations, drive profits, and delight their customers.



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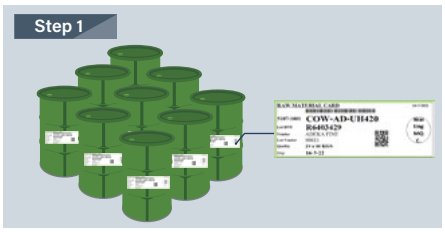
Customer Values

Operational Efficiency & Productivity Improvements

Replacing the manual approach with SATO's solution has led to a more efficient, streamlined, and productive production process for DNT. Staff productivity has also improved 25%.



Labels are used to ensure all incoming raw material tanks are received in good order and properly registered.

Peace Of Mind From Error-Free Operations

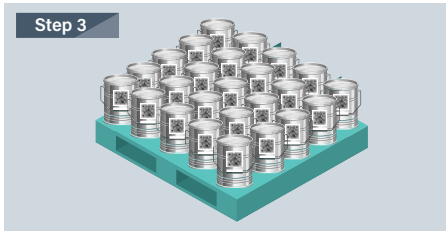
Supported by SATO's robust solution, DNT has the assurance that all their raw material components are intact and ready for use anytime. In addition, they are also able to accurately determine the mix of each component and their required quantities without errors occurring.



Weighing scale integrated with the system's mixing instructions ensures accuracy during the mixing of the different raw materials components during production.

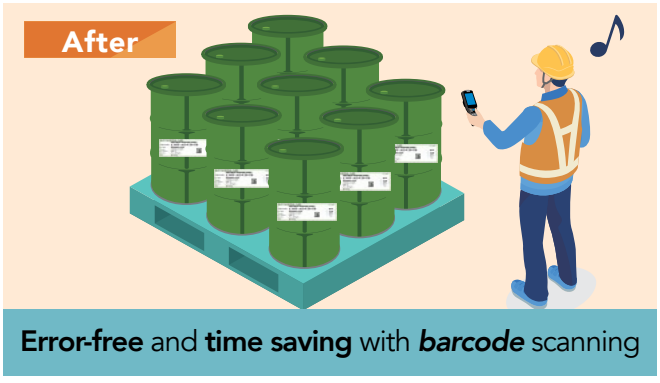
Increased Customer Satisfaction & Profit Maximisation

With traceability in the production process brought about by SATO's solutions, DNT is now able to optimise their production planning process, delight their customer with high quality paint products, which ultimately drives greater sales and profits.



Shipping labels provides tracking and traceability of all finished paint products when shipped back to the customer.





> Our production process is now more **efficient and accurate**, and are also seeing a **25% increase** in staff productivity.

"Thanks to the traceability solution provided by SATO, our production process is now efficient and accurate, and we are also seeing a 25% increase in staff productivity."

"Backed by SATO's robust solution, we can now focus on delighting customers with our high quality and innovative paint products."

Chatree Boonnukul, Project Manager

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