



DENSO WAVE Success Stories
***Manufacturing and Logistics:
SATO Europe and DENSO WAVE EUROPE's
Collaborative Integration***

The Objective

In today's rapidly evolving business landscape, the demand for efficiency, accuracy, and seamless integration is paramount. Recognizing this need, SATO Europe, a leading provider of thermal printing solutions, and DENSO WAVE EUROPE, renowned for high-performance barcode scanners and RFID technology, have joined forces to pioneer innovative Auto-ID solutions. This case study explores their collaborative integration, showcasing how SATO's CL4NX Plus Printer and DENSO WAVE EUROPE's SP1 RFID scanner synergize to overcome market challenges and empower businesses across diverse sectors.



SATO's CL4NX Plus printer

Challenge in the market

Modern industries face multifaceted challenges, from escalating demands for productivity to the need for error-free inventory management. In such a dynamic environment, optimizing operational workflows while maintaining agility becomes imperative. SATO and DENSO WAVE EUROPE recognize these challenges and have aligned their expertise to deliver comprehensive solutions.

SATO's CL4NX Plus Printer: Empowering Efficiency

The CL4NX Plus printer stands as a beacon of reliability and versatility, equipped with an array of features unmatched by its competitors. Key features include:

- 1. Ease of Use:** Built with operator productivity in mind, the CL4NX Plus supports up to 10-inch media and 600m ribbon, with tool-less maintenance for easy replacement of consumables.
- 2. Micro Label Print Mode:** Enhancing print accuracy for small pitch labels, the printer offers higher tolerance (+/-0.7 mm) and can dispense labels as small as 10mm, ensuring precision in labeling operations.
- 3. RFID Capabilities:** Leveraging the CL4NX Plus RFID series of printers, businesses can encode tags and labels with UHF, HF and even NFC formats. The printer's on-screen menus facilitate antenna adjustment and chip verification, streamlining RFID encoding processes.
- 4. Overview of CL4NX Plus Views:** With a wide print head opening, support for large media and ribbon sizes, and high print speeds of up to 14 ips, the CL4NX Plus delivers unparalleled performance for batch printing tasks.



DENSO WAVE EUROPE's SP1 RFID Scanner: Precision and Agility

Complementing SATO's CL4NX Plus RFID printer series, the SP1 RFID scanner from DENSO WAVE EUROPE epitomizes precision and agility in RFID scanning technology. Key features include:

- 1. Compact Design:** The SP1 scanner's ergonomic design and lightning-fast scanning capabilities make it indispensable in space-constrained environments, ensuring swift and accurate data capture across barcode symbologies.
- 2. Advanced Technology:** The SP1 RFID scanner features Autopilot technology for faster scanning, adjusting reading modes automatically to reduce scanning time by 50%.
- 3. Seamless Connectivity:** With RFID tuning for smart devices, the SP1 easily connects to existing devices like the BHT-M80 or Smartphones, ensuring maximum performance and ease of use.
- 4. Reliable Performance:** Offering a 13-meter reading range and internal memory for caching data, the SP1 RFID scanner is built to withstand rigorous use, backed by DENSO's commitment to quality and durability.

Integration with CL4NX Plus: Seamlessly integrating with SATO's CL4NX Plus Printer, the SP1 scanner enables businesses to achieve end-to-end visibility and control over their inventory management processes



Overcoming market challenges

By integrating SATO Europe's CL4NX Plus Printer and DENSO WAVE EUROPE's SP1 RFID scanner, businesses can overcome market challenges with confidence. The collaborative solution offers:

- 1. Enhanced Efficiency:** The seamless integration of SATO Europe printers and DENSO SP1 scanners accelerates inventory transactions and minimizes operational lags, driving operational agility and productivity.
- 2. Error Mitigation:** Automation of data capture processes and minimization of human intervention mitigate the risks of data errors, bolstering the integrity of inventory management systems and fostering trust across the supply chain.
- 3. Future-Proof Scalability:** The modular design of the integrated solution ensures future-proof scalability, empowering businesses to adapt swiftly to evolving market dynamics and sustain growth.

Conclusion

In the dynamic landscape of modern industries, SATO Europe and DENSO WAVE EUROPE's collaborative integration heralds a new era of efficiency and accuracy in Auto-ID solutions. By addressing market challenges head-on, their integrated solution empowers businesses to navigate complexity with confidence, unlocking new realms of efficiency, accuracy, and agility. As industries embrace the transformative power of collaboration, SATO Europe and DENSO WAVE EUROPE emerge as trailblazers, illuminating the path to a future defined by seamless integration and unparalleled success.



Who we are

About SATO Europe:

SATO Europe is a global leader in thermal printing solutions, providing robust and reliable printers used in critical supply chain applications connecting various essential market sectors. With a commitment to innovation and quality, SATO Europe's printers empower businesses to streamline operations, enhance productivity and obtain data insights from on-site operations.

About DENSO WAVE EUROPE:

DENSO WAVE EUROPE, a subsidiary of the globally renowned DENSO WAVE Incorporated, specializes in manufacturing high-performance barcode scanners and RFID solutions. With a focus on precision, durability, and innovation, DENSO WAVE EUROPE's products enable businesses to achieve seamless data capture and obtain data insights from on-site operations.

This collaborative effort between SATO Europe and DENSO WAVE EUROPE reflects their shared commitment to excellence and customer satisfaction, driving innovation and setting new standards in the Auto-ID solutions market. With SATO Europe's expertise in thermal printing and DENSO WAVE EUROPE's cutting-edge barcode scanning and RFID technology, businesses can confidently navigate the challenges of the modern business landscape, poised for success and growth.