



Manufacturing

Intelligent solutions
for manufacturing operations



satoeurope.com

About SATO

SATO is a leading global provider of Auto-ID solutions that connect people, goods and information.

It serves a diverse range of customers delivering end-to-end solutions that streamline operations, empower workforces and help customers reduce their environmental impact.



► Technology

Intelligent integrated solutions for smarter business performance



► Service & Support

Easy access to technical service and support wherever you are



► Ceaseless Creativity

Focused on customer-centric continuous improvement and innovation



► Network

Trusted partner collaboration for customer centric solutions



► Reliability

Hardware, software and consumables all available from one source

SATO Europe delivers a comprehensive range of integrated labelling and Auto-Identification solutions for a wide range of manufacturing environments.

Manufacturing Sector Success

Face the challenges of the evolving manufacturing sector

Manufacturing: the process of converting raw materials, components, or parts into finished goods that meet a customer's expectations or specifications

The manufacturing sector is in a heightened state of change, with increased competition and complex processes to manage, which can challenge even the most experienced companies.

SATO designs, manufactures and supplies a comprehensive range of intelligent auto-identification and data collection solutions to help companies save time, reduce costs and improve productivity.

Whatever the industry or market environment, the challenges for manufacturers are common, including:

Delivering Process Efficiency



Warehousing & Distribution Management



Managing Compliance



Meeting the unique needs of the manufacturing environment

Delivering Process Efficiency

Managing Compliance

Deliver process efficiency with SATO solutions

SATO understands that the ability to manage products effectively with efficient processes is critical to the modern manufacturing environment. SATO's market leading auto-identification and data collection technologies are specifically designed to meet the unique processing needs of manufacturers across a broad range of sectors, empowering businesses to stay ahead of the game, delivering goods in full and on time.

- **Goods-in receipt management** – appropriate labelling is key to enabling an efficient incoming goods process. SATO provides a wide range of barcode and RFID-enabled printers to support accurate downstream picking and selection.
- **Picking and assortment** – efficient picking and assortment relies on accurate, real-time data on the availability of stock and latest demand requirements. SATO's tailored solutions empower operators by ensuring they have access to up-to-date information, ensuring optimum supply chain performance and transparency.

- **Managing work in progress** – effectively managing work in progress inventory using track and trace technology ensures parts, materials or ingredients can be easily identified and monitored throughout the manufacturing process to prevent errors and waste.
- **Materials management** – timely inventory status information is critical to successful materials management. SATO's next-generation solutions streamline inventory management, minimise human error and ensure visibility throughout the manufacturing process.



Warehousing & Distribution Management

From cartons to containers, packs to parcels, SATO understands the importance of smooth and efficient flow of products and information through every stage of the supply chain.

SATO warehousing and distribution management solutions enable continuous visibility of products and seamless monitoring to drive efficiency, productivity and reduce overall business cost.

For more information on SATO's complete range of warehousing and distribution management solutions, please see the **SATO Transport & Logistics** brochure.

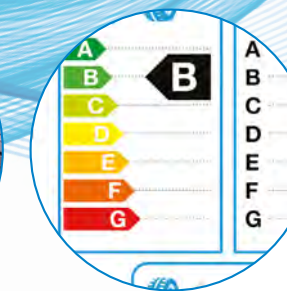
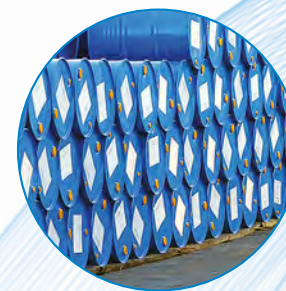
Ensure total compliance with automated solutions from SATO

SATO understands that ensuring legislative compliance across health and safety, environmental and quality are of the utmost importance to manufacturing businesses.

From ensuring safe handling of materials on the shop floor and in transit to complying with national import and export regulatory requirements, SATO provides a wide range of label and RFID printing solutions to ensure accuracy and transparency through automation.

SATO provides labelling solutions to meet a wide range of legislative requirements across a number of markets, including:

- **GHS & REACH labelling** in the chemicals market
- **European Tyre Labelling Regulation EC/1222/2009** in the automotive market
- **RFID tracking solutions** to monitor the location and performance of tyres, particularly for the commercial vehicle market



NiceLabel® – barcode label design and print productivity software

- Can be used in combination with a wide range of SATO print solutions
- Allows for quick design and printing of barcode labels without additional I.T. support
- Improves quality, speed and efficiency of labelling as well as reducing costs

Intelligent Manufacturing

Drive efficiency, productivity and profitability through intelligent manufacturing

In today's connected world, embracing intelligent manufacturing can deliver competitive advantage.

SATO's auto-identification and data collection solutions deliver real-time optimisation of the entire supply chain, enabling manufacturers to make better decisions, enhance quality and drive profit performance.

SATO provides a comprehensive portfolio of intelligent label printing hardware, software and consumables to meet the needs of every unique manufacturing environment including:



✓ Intelligent Printing

SATO Application Enabled Printing (AEP) means printers can operate as a standalone solution, allowing total connectivity to all devices and peripheral equipment.

✓ Advanced materials management

Making mistakes in materials management can be costly. Automating the identification and tracking process of goods as they move through the supply chain provides real-time access to critical data driving visibility and effective decision making.

✓ Small item marking

SATO understands the challenges presented when marking small items, such as parts used in the manufacture of electronics or jewellery. SATO provides a comprehensive range of hardware and software solutions designed to support companies with this specific requirement.

✓ Unique product identification

With strict Unique Device Identification legislation in place, ensuring compliance is vital for manufacturers of consumer-sensitive products such as pharmaceutical products and medical devices. SATO's range of unique product identification solutions ensures total compliance and visibility across the supply chain.

✓ RFID in manufacturing

Customers are now demanding faster delivery and higher product quality and services. RFID technology can be implemented across a range of processes, allowing manufacturers to minimise production downtime, eliminate errors and enhance efficiency, ensuring customer requirements are met on time and in full.

Application Enabled Printing – enabling the next generation of smart label printing

SATO's Application Enabled Printing (AEP) Platform is a powerful on-board intelligence, enabling customisation of the printer operation to significantly simplify labelling operations and reduce business costs.



AEP can be used to completely customise the entire print function of compatible solutions, including CL4NX and PW2NX, to meet the needs of each unique manufacturing environment and process.

Tailored Solutions

S84-EX – next-generation OEM print engine

- A significant industry advance in quality imaging and exceptional throughput
- Easy operation, numerous interfaces and tool-less maintenance enabling flexibility and convenience
- Optional wireless LAN and Bluetooth allows for additional connectivity



WS4 Series – robust, flexible desktop printing

- High media capacity of 300m length ribbons, ideal for industrial environments where reliability and adaptability are key
- Low cost of ownership and excellent print quality
- Easy operation including one-touch control



PW2NX – intelligent, on-demand mobile printing

- Enhanced agility with best-in-class print speeds
- Supports improved efficiency and increased productivity
- Can be worn on a belt, shoulder strap or mounted to a trolley for easy mobile use
- Standalone, PC-less solution with high capacity battery and wireless network connectivity

CL4NX & CL6NX – smart & robust printers for customised applications

- High speed processing and output of labels for the fast-paced manufacturing environment
- Powerful on-board intelligence enables customisation of the printer operation to simplify labelling operations and reduce costs
- Eliminate downtime with preventative maintenance using SATO Online Services (SOS)
- Capability to encode a wide range of NFC, PJM and UHF RFID labels



M10e Series – designed specifically for the challenging manufacturing environment

- 10.5-inch printhead allowing for large format compliance labels to be printed at high speeds
- Capable of printing up to A4 page size
- Can be used with NiceLabel® software to reduce complexity and ensure compliance

SATO Online Service (SOS) – preventative maintenance from SATO

SATO SOS is a cloud-based system that connects SATO NX & FX3 printers with SATO to share information that enables remote preventative maintenance and error detection without the need for an on-site engineer, dramatically reducing downtime and streamlining operations.

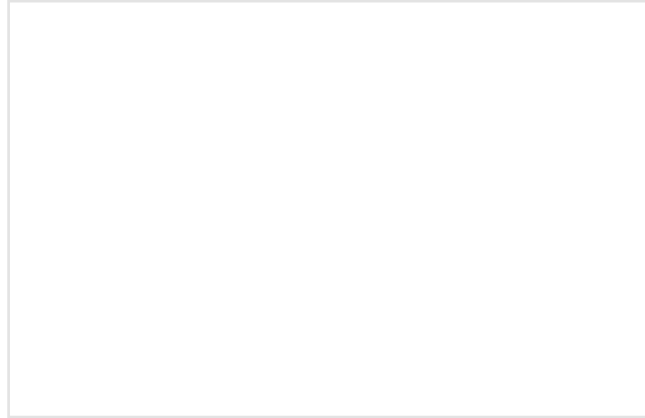


Linerless labels – the sustainable label option



SATO linerless labels are the perfect choice for environmentally conscious organisations. The self-adhesive, non-backed labels help to decrease waste and save resources and at the same time, reduce overall cost.

SATO linerless labels are pressure sensitive labels designed without a release liner, which means no liner waste is generated or resulting carbon emissions. In addition, up to 30-40% more labels are available per roll reducing the changeover frequency. Available as standard white primary labels and premium multi-coloured labels, linerless labels are compatible with the majority of SATO printers including the CLNX Series.



For more information, please contact
your local SATO office, or visit:

satoeurope.com



Ceaseless Creativity for a Sustainable World

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