# Intelligent solutions
## for complex transport and logistics challenges
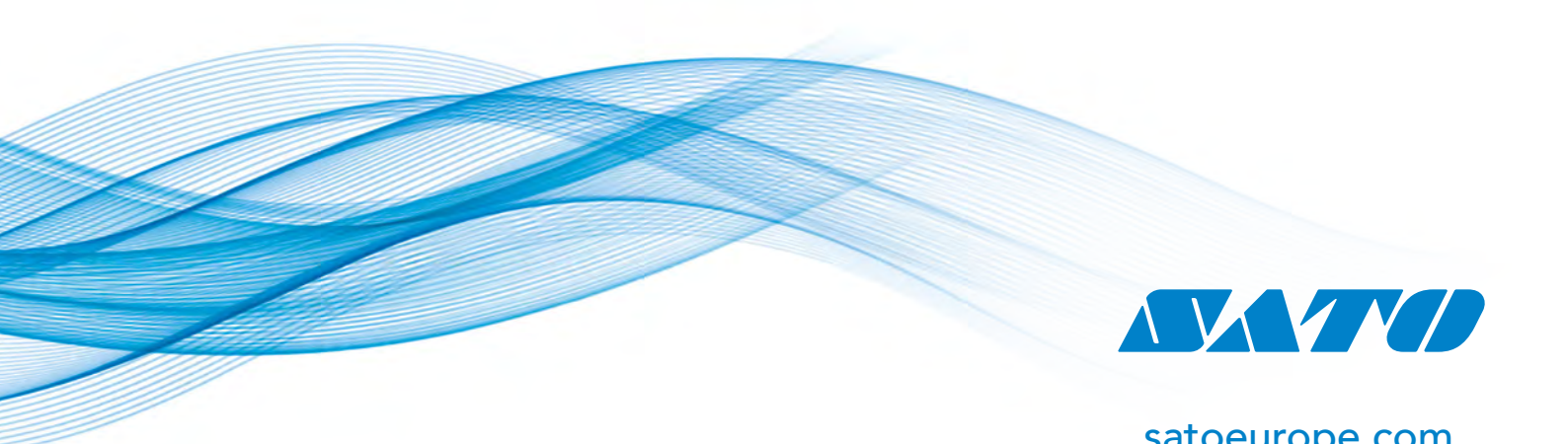
**SATO**

satoeurope.com

# About SATO

## Solving Transport and Logistics Productivity Challenges

**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 innovative integrated labelling and auto-identification solutions to meet the transport and logistics needs of a wide range of manufacturing environments.

### Face the challenges of today's complex supply chains

With a range of challenging processes to manage, from incoming goods receipt to delivery and even returns, today's manufacturing and distribution supply chains present operators with significant opportunities for efficiency improvement and business optimisation.

From track and trace requirements, redirection and cross-docking labelling to intelligent inventory and warehousing control solutions, SATO's comprehensive range of solutions support operators to meet the challenges presented by today's complex supply chains, including:

**Warehousing & Distribution Management**

**Efficient Fleet & Delivery Management**

**Efficient Yard & Terminal Management**

# Warehousing & Distribution Management

# Efficient Fleet & Delivery Management

## Intelligent solutions for every stage in warehousing and distribution

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.

- **Appropriate labelling** to support efficient goods receipt management
- **Accurate management of storage and replenishment processes** to ensure correct rotation and efficient selection
- **Prevent shrinkage, loss and misuse in inventory management** with SATO's intelligent solutions for real-time visibility of assets and employees
- **Precise location management** using Bluetooth low energy technology
- **Empower operators** with up-to-the-minute stock availability and demand data for effective picking and assortment

- **Quickly scan, check, record and document goods and shipments** to minimise error in packing and preparation
- **Facilitate free flow of goods in cross-docking** with accurate point-of-activity labelling
- **Minimise the need for manually created documentation** in the final shipping process for optimised, verifiable shipping control
- **Efficient management of returned goods** with SATO's seamless reverse logistics processes

## SATO Visual Warehouse – the industry's first wearable navigation system

SATO's Visual Warehouse is the industry's first wearable navigation system, combining barcodes and RFID with virtual 3D mapping and high-precision indoor positioning technology.

The solution utilises an algorithm designed to guide picking personnel on the shortest possible route, with audio and visual instructions and voice control for verification. Ideal for streamlining labour utilisation and inventory management, Visual Warehouse helps to improve operational efficiency in the logistics environment.

## Drive customer satisfaction with efficient fleet and delivery management

SATO understands that the ability to efficiently manage fleet and delivery operations is vital in today's connected, omnichannel business world.

SATO's market leading auto-identification and data collection technologies are specifically designed to offer transport and logistics operators the constant visibility required to support their management decision making and ensure goods are delivered on time and in full (OTIF).

- ✓ **Data capture and labelling technologies** to meet the challenges presented by the explosion in online retailing and e-commerce
- ✓ **Solutions for CEP & e-commerce operators** that increase speed and accuracy and reduce errors, driving consumer satisfaction and sales
- ✓ **Labels to meet stringent shipment international safety requirements,** including IATA label printing software
- ✓ **Automatic data collection and label printing** to ensure accurate shipment tracking and timely proof-of-delivery for today's connected world

**From small numbers of vehicles to vast swathes of cars, trucks and trailers, fleet management, however large or small, can be a complex challenge. SATO provides a wide range of solutions to deliver effective real-time monitoring and asset tracking, supporting proactive fleet management.**

# Efficient Yard & Terminal Management

## Driving safety and efficiency in busy yard terminals

Safety, security and efficiency are front of mind in modern yard and terminal operations.

SATO's comprehensive range of solutions for the transport and logistics sector help businesses to drive productivity and efficiency by enabling streamlined mapping and monitoring of workflows, as well as eliminating outdated manual processes to ensure safe and secure operations.

✓ **Reliable returnable packaging and container management**

with SATO's high-performance labels and asset tracking solutions

✓ **Smooth tracking of goods, vehicles and assets**

to drive efficiency in the busy yard environment

✓ **Automated data collection and track and trace solutions**

for total visibility, ensuring regulatory compliance and process optimisation

## Scanners – partnering with device manufacturers to meet data capture needs

SATO partners with a number of scanner, portable data terminal and other device manufacturers to meet your data capture needs.

Choices include a wide variety of stationary or portable, wireless scanners with linear, 2D, RFID reading capabilities, mobile computers with batch or wireless (802.11 b/g) data capture functions and run on Windows Mobile, Linux-based, or Palm OS operating systems and more.

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# Tailored Solutions

### 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
- Ensure regulatory compliance with appropriate labelling substrates and solutions

### 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 – smart & robust printer for customised applications

- High speed processing and output of labels for the fast-paced transport and logistics supply chain
- 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

### MB4i – compact solution ideal for portable print applications

- Rugged yet lightweight design specifically designed for mobile, on-demand printing needs
- High capacity battery enables longer use time and minimises the need for charging

### Linerless labels – the sustainable label option

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

### 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 reduces costs

### 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.

### 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.
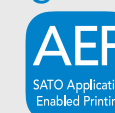
AEP can be used to completely customise the entire print function of compatible solutions, including CL4NX and PW2NX, to meet the needs of each unique manufacturing environment and process.
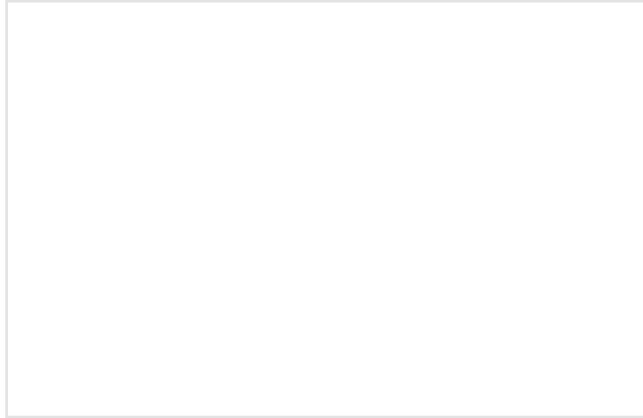
For more information, please contact
your local SATO office, or visit:

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**SATO** Ceaseless Creativity for a Sustainable World