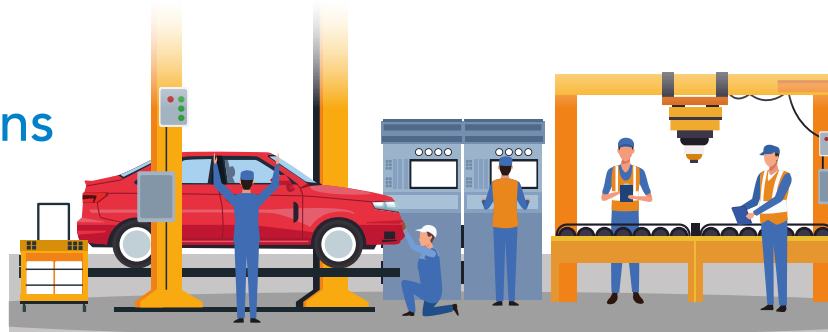# Intelligent Solutions
for the Automotive Sector

satoeurope.com

About SATO

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

We deliver end-to-end solutions that streamline operations, empower workforces and help our customer to reduce their environmental impact.

Technology
Intelligent integrated solutions for smarter business performance

Ceaseless Creativity
Focused on customer-centric continuous improvement and innovation

Service & Support
Easy access to technical service and support wherever you are

Reliability
Hardware, software and consumables all available from one source

SATO Europe delivers a comprehensive range of integrated labelling and auto-identification solutions for the needs of the automotive sector.

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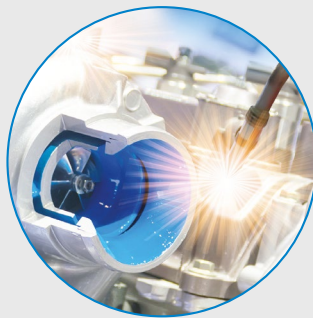
Driving Automotive Success

Face the challenges of today's complex supply chain

With demanding operational efficiency and regulatory compliance requirements, real-time visibility of assets, processes and products is vital to business success, from goods-in to work-in-progress tracking, through to transport and logistics management.

SATO provides a comprehensive range of labelling solutions to help automotive manufacturers, OEMs and suppliers to meet the challenges presented by today's global market, including managing compliance and production process efficiency.
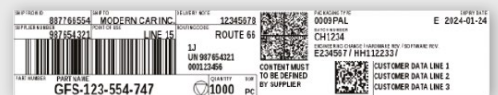
Compliance Management

Process Efficiency

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Compliance Management

Delivering compliance success for the automotive and transportation sectors

SATO understands that the need for safe, compliant product design is at the very heart of today's automotive supply chain.

With complex regulatory challenges being faced by the entire industry, SATO knows that providing durable, reliable print and labelling solutions suitable for extended use, and a variety of environmental conditions, is vital to ensuring consistency and transparency when it comes to compliance.

Specifically designed to meet the demands of challenging automotive and transportation environments, SATO solutions can withstand a range of environmental and wear and tear challenges, from oils, grease, water or brake fluids to hot, cold or frozen conditions.

✅ **Solutions for all national and international legislative compliance requirements**
including **ODETTE**, **AIAG** and **GM 1724**

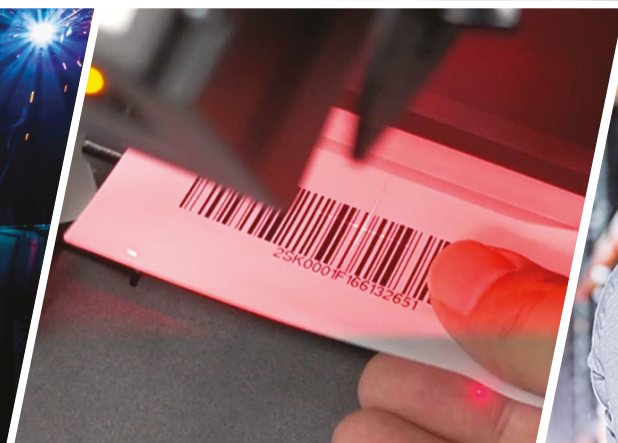✅ **Substrates with proven performance**
in demanding **automotive** conditions

✅ **Manage wear and tear and ensure total tyre life-cycle visibility and tracking**
with **RFID tagging** solutions

✅ **Label printing solutions**
to meet stringent **European Tyre Labelling Regulation** (EC/1222/2009) requirements

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Drive process efficiency with SATO solutions

Meeting the 24/7 global supply chain efficiency and contract needs of automotive brands is a complex business. Managing the sheer volume of product assortment, often on an international basis and ensuring delivery on time, and in full, can challenge even the most sophisticated suppliers.

With this in mind, SATO offers a range of tailored solutions to meet the diverse needs of today's digitally integrated automotive supply chain. SATO drives transparency and efficiency by empowering businesses to transfer data throughout the network without the need for human intervention.

Key Features

- **Real-time, on-demand printing** for automotive OEMs and their suppliers to manage complex workflow, inventory and distribution demands

- **Ensure seamless 24/7 traceability** to drive compliance and success in today's increasingly competitive market

- **Complete process optimisation** to improve time-to-market throughout the supply chain

- **Enterprise Resource Planning integrated solutions** for easy cradle-to-grave data visibility, driving quality and safety standards

- **Avoid rejects and recalls from defect parts**, eliminating the associated excessive costs

- **Next-generation asset and facility management solutions** to help businesses minimise costs and maximise efficiency

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Solutions Range

Labelling solutions for a wide range of applications

Working in partnership with automotive manufacturers, OEMs and suppliers, SATO provides solutions for a wide range of vital automotive applications, including:

- ✓ Parts labels
- ✓ Tyre labels
- ✓ Interior labels for glass and fabrics designed for low and high temperatures
- ✓ Security and anti-counterfeit technology

- ✓ Airbag labels
- ✓ Warning and instruction labels
- ✓ Exterior labels
- ✓ Engine labels including batteries, cables and chemical warnings
- ✓ RFID

Eco-friendly products

Addressing social challenges through our business

Eco-friendly products and business practices are important not only for SATO but also for our customers in reducing and eliminating the use of plastic and tackling global warming. Our products include linerless labels that reduce waste, SATO-designed RFID tags/labels that are manufactured without using plastics and solvents, and paper labels made from wood pulp grown in FSC-certified forests.

SATO has acquired FSC® (CoC) certification (license no. FSC-C135435) as a company that produces labels from wood pulps identified as FSC-certified materials. FSC (Forest Stewardship Council®) is a globally recognized organization that works with third-party certification bodies to assess and certify appropriate management of forests.

CoC certification validates that the end product uses wood from a FSC-certified forest and only certified materials throughout its production, processing and distribution processes.

✓ Linerless label by SATO

SATO linerless labels use less wood pulp and energy in production, and produce less waste (release liner). As a single roll of linerless labels can hold 40 percent more labels than common labels with liner, the product also saves transportation and storage costs.

✓ SATO-designed RFID tags / labels

SATO offers RFID tags/labels containing antennas that are designed and manufactured in-house. Our antenna liner is made with paper substrate rather than resin-derived film, eliminating the use of plastic.

As we manufacture RFID antennas via the foil stamping process, no chemical solvents are used and no process residue is produced to cause environmental pollution. Through this process, leftover aluminum can also be recycled and reused to ensure that no antenna materials are wasted.

FSC
www.fsc.org
FSC® C135435

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CL4NX Plus

CL6NX Plus

CT4LX

PW2NX

CL4NX Plus – a smart & robust printer for customised applications

- High speed processing and output of labels for the fast-paced automotive 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

CL6NX Plus – a pioneering 6" thermal industrial printer

CT4LX – next generation 4" smart desktop printer

- 4.3" Full Color Touchscreen Display
- 203 or 305 dpi print resolution
- Thermal Transfer and Direct Thermal
- Auto Switching competitive emulation languages
- Application Enabled Printing (AEP)

PW2NX – intelligent, on-demand mobile printing

- Enhanced agility with best-in-class print speeds
- Can be worn on a belt, shoulder strap or mounted to a trolley for easy mobile use
- Bluetooth 3.0 (iOS, Android, Windows)

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.

SATO Online Service (SOS) – preventative maintenance from SATO

SATO SOS is a cloud-based system that connects SATO CLNX Plus & FX3-LX 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 – powerful smart printing solutions

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 Plus and PW2NX, to meet the needs of each unique manufacturing environment and process.

SATO RFID Solutions

SATO RFID printer/encoders for UPC UHF and HF are engineered to support the diversity of applications across industries and their compliance standards.

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

satoeurope.com

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