SATO
Powered On Site /

Keeping Your Business Moving and Connected
STARTING WHERE YOU ARE



THERMAL PRINTING • RFID • SERVICE • HLS • CONSUMABLES

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LABELLING SOLUTIONS & AUTO-ID



All SATO products are accompanied by detailed documentation that covers all aspects of equipment operation - all equipment manuals, all interfaces circuits are available.

LIMITLESS POSSIBILITIES OF INTEGRATION.

We provide more than just technical support:

if a defect is detected, we will finalize and fix everything that is stated in the specification!

WE SOLVE CHALLENGES - NOT JUST SUPPLY PRINTERS.

We derive the best solution for each unique site

With offices located in 26 countries/regions across the globe, SATO is represented globally through a world-class network of partners in more that 90 countries.

Industrial Printers

Trusted dependability for 24/7 mission critical operations, SATO's industrial barcode printers are the hallmark of printing solutions for harsh environments and applications.



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CL4NX Plus Series

Full color interactive LCD with Intuitive Menu Navigation

On-board Help Videos

Tool-less Maintenance

265 mm media supply and 600m ribbon supported

RFID Ready (UHF & HF)

Smart Print Head and Pure Line Platen Roller

Micro Label Print Mode

Device management with SATO Online Services (SOS) and SATO App Storage (SAS)

	203 DPI	305 DPI	609 DPI
PRINT METHOD	Direct/Thermal Transfer		
PRINTING SPEED	Up to 355 mm/sec	Up to 355 mm/sec	Up to 152 mm/sec
MAX PRINT WIDTH	104 mm		
EMULATIONS	SZPL, SDPL, SIPL, STCL, SEPL		
DIMENSIONS	271 mm (W) x 457 mm (D) x 321 mm (H)		
WEIGHT	15.1 kg		



CL6NX Plus Series

Full color interactive LCD with Intuitive Menu Navigation

On-board Help Videos

Tool-less Maintenance

254 mm (optional) media supply and 600m ribbon supported

RFID Ready (UHF only)

Smart Print Head and Pure Line Platen Roller

Micro Label Print Mode

Device management with SATO Online Services (SOS) and SATO App Storage (SAS)

	203 DPI	305 DPI
PRINT METHOD	Direct/Thermal Transfer	
PRINTING SPEED	Up to 254 mm/sec	Up to 203 mm/sec
MAX PRINT WIDTH	167.5 mm	
EMULATIONS	SZPL, SDPL, SIPL, STCL, SEPL	
DIMENSIONS	338 mm (W) x 457 mm(D) x 321 mm (H)	
WEIGHT	20.3 kg	

CLNX PLUS ACCESSORIES



RWG500

Any rewind option (Face-In/Face-Out)

Optional 7" extension for wide web printing

Will work with non-SATO printers
(external AC power pack is required)

Up to 381 mm/sec with automatic speed adjustment

Full roll-to-roll rewind

The SATO RWG500 Label Rewinder is ideal for batch printing applications. It allows for full 8" roll-to-roll rewind of either face-in or face-out wound media. Direct rewinding on the 1.5" spindle or use of 3" core is available with selectable clockwise/ counter clockwise operation.

The RWG500 can accommodate 1" to 5" media widths or can be outfitted with optional 7" extension for wide-web printer models. The rewind tension arm detects paper slack, paper presence and incoming paper speed, up to 15 ips, to ensure proper operation and uniform rewind of media. The RWG500 is supplied with EXT interface cable to be used with SATO industrial printers or can also be powered by optional external AC adapter for all other printer models.

Barcode Checker

Retracts and voids over labels if barcode data cannot be validated

Prevent unreadable barcodes from being applied and entering the supply chain

Eliminate unnecessary fees from occurring due to un-scannable barcodes

Ensure correct data is being printed by enacting an audit plan



SATO's Barcode Checker for the CLNX Plus Series printer allows users to automatically scan and validate all 1D and 2D barcode symbologies on their printed label. The Barcode Validator provides integrated operation with the CL4NX Plus/CL6NX Plus printer models, which can be configured to either read or compare barcode data. Easy to use and implement with no additional software required, as operational settings are selectable directly from CLNX LCD menu.



Cutter

Front mount guillotine cutter unit

Single item or batch print job cut settings

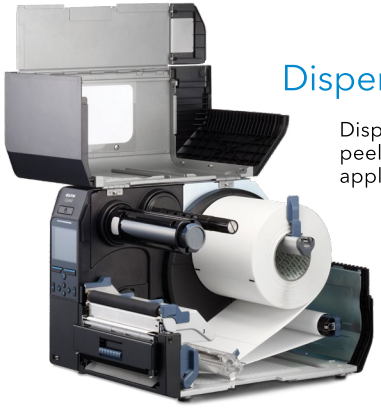
Long lasting blade life



Rotary Cutter

Heavy duty cutter for use with tough and/or synthetic materials.

Available for CL4NX Plus models



Dispenser

Dispenser unit for peel and present label application

SATO BASIC LINE





WT4-AXB

Printers with essential features at affordable prices, ideal for first-time users.

Easy Installation

Suitable for a variety of industries and applications

Compact design to fit any workspace

Easy Operation

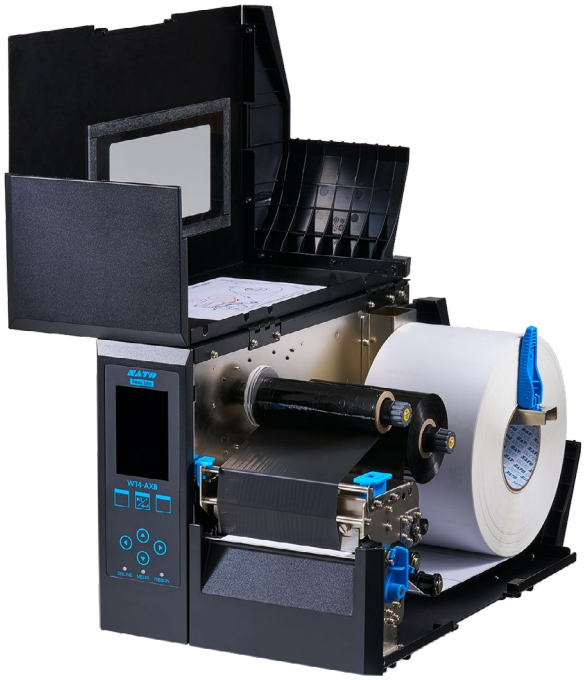
UI with color-coded controls and alerts for quick error identification

Easy Maintenance

Easy replacement of thermal printhead and platen roller

Software for centralized configuration of printers across the network

	203 DPI	300 DPI
PRINT METHOD	Direct/Thermal Transfer	
PRINTING SPEED	Up to 203.2 mm/sec	Up to 152.4 mm/sec
MAX PRINT WIDTH	104 mm	
EMULATIONS	SBPL SATO Barcode Printer Language, SZPL, SIPL	
DIMENSIONS	267.7 (W) x 450 (D) x 261 (H) mm	
WEIGHT	11.4 kg	



SG112-ex

High speed large format label printer

Users can combine larger amounts of information on to a wide format label instead of multiple small labels, with no loss of clarity or quality, unlocking significant gains in costs, time and manpower and contributing to enhanced overall productivity. In addition, labels are visible from a greater distance, making information easier to communicate in business environments where diligence and safe operation are paramount.



Large format industrial printer

Supports media sizes from 132 mm up to 300 mm wide

Wrinkle-free media handling

Optional media roll unwinder or cutter

	305 DPI
PRINT METHOD	Direct/Thermal Transfer
PRINTING SPEED	Up to 152 mm/sec
MAX PRINT WIDTH	297 mm
DIMENSIONS	475 (W) x 313.4 (D) x 319.2 (H) mm
WEIGHT	20 kg



Desktop Printers

Thermal desktop printers from SATO are compact, cost effective, and easy-to-use. Receipts, labels, wristbands and RFID inventory tracking labels are easily created on a printer that fits just about anywhere!



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DESKTOP PRINTERS







WS4 Series

The SATO WS4 Series is an easy to use, feature rich compact 4" printer with fast throughput and print speeds at either 203 or 300 dpi resolutions, providing exceptional output. With features not typically found at this price point, the WS4 base model has three standard interfaces, including Ethernet and optional Bluetooth or 802.11 WLAN.

The WS4 is available either as Direct Thermal only or Thermal Transfer model, which allows up to a 300m ribbon. Best of all, the WS4 comes standard with robust onboard emulations. The SATO WS4 maximizes performance and investment for versatile desktop label applications in various regional markets and vertical segments. Base Model Includes: USB, RS232, Ethernet interfaces.

	203 DPI	300 DPI	203 DPI	300 DPI
PRINT METHOD	Direct Thermal		Thermal Transfer	
MAXIMUM PRINT AREA WIDTH	104 mm			
EMULATIONS	SDPL, SEPL, SZPL, SIPL			
PRINT SPEED	Up to 152.4 mm/sec	Up to 102 mm/sec	Up to 152.4 mm/sec	Up to 102 mm/sec
PRINTER MEMORY	Flash ROM: 16MB, RAM: 32MB			
DIMENSIONS	183.8 (W) x 225.9 (D) x 166 (H) mm		220.6 (W) x 278.5 (D) x 187.5 (H) mm	
WEIGHT	1.74 kg		2.48 kg	

DESKTOP PRINTERS



WS2 Series

Best in Class Patient Safety - Disinfectant-ready, **antimicrobial** casing (industry-first feature)

Print on Demand - High-quality **patient ID wristbands** and inpatient/laboratory labels. Compact, lightweight design for ease of transportation

Save Time - **Hassle-free** media loading, enhanced printer setting tools and web browser for ease of operation, faster than market average print speed, up to 177 mm/sec

Integrate Easily - Cerner accredited and ready for connection to all existing HIS/ EMR systems through the standard USS and Ethernet interfaces

Reduced Carbon Footprint - Less consumable wastage compared to equivalent models on the market

Eradicate Errors - Draw information from existing patient management systems

The WS2 is a hygienic, compact direct thermal desktop printer from SATO ideal for various healthcare scenarios. Suitable for direct use in the hospital ward due to its disinfectant-ready, antimicrobial plastic casing, the WS2 prints both patient ID wristbands and inpatient labels quickly and accurately for optimum patient safety and operator peace of mind.

The WS2 is also offered **bundled with SATO patient ID wristbands** as part of a competitive package, making the need to hand write labels a thing of the past.

	203 DPI	300 DPI
PRINT METHOD	Direct Thermal	
MAXIMUM PRINT AREA WIDTH	60 mm	
EMULATIONS	SZPL, SEPL, SDPL	
PRINT SPEED	Up to 177 mm/sec	Up to 127 mm/sec
PRINTER MEMORY	Flash ROM: 16MB, SDRAM: 32MB	
DIMENSIONS	116 (W) x 170 (H) x 215 (D) mm	
WEIGHT	1 kg	

DESKTOP PRINTERS

CT4-LX

- 4.3 inch full-color touchscreen
- One-touch media profile recall
- **Pre-installed** printer language **emulations**
- Auto clone printer settings
- Label Waste Prevention
- **RFID**





Anything but ordinary, the CT4-LX thermal desktop printer seamlessly combines intelligence, functionality, and performance. Standard features include a 4.3-inch full-color touch screen display, multiple connectivity options, existing application support using on-board competitive emulations along with instructional videos. Setup, operation, and maintenance are just a touch away.

	203 DPI	305 DPI
PRINT METHOD	Direct/Thermal Transfer or Direct Thermal Only	
PRINTING SPEED	Up to 203 mm/sec	Up to 152 mm/sec
MAX PRINT WIDTH	104 mm	
EMULATIONS	SZPL, SDPL, SIPL, STCL, SEPL	
DIMENSIONS	178 (W) x 238 (D) x 214 (H) mm	
WEIGHT	3.4 kg	

Mobile Printers

Portable thermal printers offer the flexibility needed for many receipt and label applications. SATO's direct thermal printers provide mobility printing without sacrificing quality or dependability.



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PW4NX - next innovation in mobile printing

- Print as fast as desktop printers
- Deliver consistent print quality even if the battery is running low
- Engineered for demanding environments (dust & liquid protection, drop-resistant)
- Onboard intelligence - customized applications and cloud-based service
- Ease of use with intuitive operation
- Hassle-free maintenance



	203 DPI
PRINT METHOD	Direct Thermal
PRINTING SPEED	Up to 152 mm/sec
MAX PRINT WIDTH	104 mm
EMULATIONS	SZPL, SCPL, SIPL
DIMENSIONS	180 (W) x 195 (D) x 85 (H) mm
WEIGHT	1.440g incl. battery

SATO AEP
Application Enabled Printing





PW2NX

- Full 55 mm print width
- Built-in dispenser
- Six preinstalled emulations
- Customized programs
- **Smart battery** for easy management and full shift operation
- Numerous chargers and **accessories**
- Bright status LEDs and color display

	203 DPI
PRINT METHOD	Direct Thermal
PRINTING SPEED	Up to 152 mm/sec
MAX PRINT WIDTH	55 mm
EMULATIONS	SBPL, SPOS, SCPCL, SZPL, SDPL, SIPL, STPCL
DIMENSIONS	95 (W) x 128 (D) x 68 (H) mm
WEIGHT	437.8g incl. battery





PV3

Compact design with **robust** construction
Drop resistance of 2.1 m
Light-weight (694g) design reduces user fatigue
Belt clip provides mobility for **hands-free** operation
Bluetooth, Wireless LAN and USB connectivity
Android and iOS compatibility
Water **resistant** and dust proof (IP54)

	203 DPI
PRINT METHOD	Direct Thermal
PRINTING SPEED	Up to 127 mm/sec
MAX PRINT WIDTH	72 mm
EMULATIONS	SLCS, BPL-Z™, BPL-C™
DIMENSIONS	119 (W) x 159 (D) x 79 (H) mm
WEIGHT	694g incl. battery pack



PV4

Large 2.6" OD roll capacity
2" Color LCD
1.8 m drop and IP54 rated
Extra capacity 6700 mAh smart **battery**
Connectivity for Apple iOS
Easy Bluetooth pairing with NFC

	203 DPI
PRINT METHOD	Direct Thermal
PRINTING SPEED	Up to 127 mm/sec
MAX PRINT WIDTH	104 mm
EMULATIONS	SLCS, BPL-Z™, BPL-C™
DIMENSIONS	158 (W) x 186 (D) x 82 (H) mm
WEIGHT	1090g incl. battery pack

Specialty Printers

Thermal printing solutions expand far beyond basic barcode shipping labels. SATO offers a diverse selection of specialty thermal printers designed for applications of e-Commerce, in-house RFID tags and labeling.



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FX3-LX

- 7" full color, smart touchscreen interface
- Battery operation option
- AEP Works' facilitates rapid development of custom applications
- Wireless connectivity
- Robust all-in-one design
- Easy connectivity to peripheral devices (scanners, scales, and other devices

SATO AEP
Application Enabled Printing

	305 DPI	
	STANDARD AC ADAPTER OPERATION ONLY	BATTERY MOUNTED KIT OPTION
PRINT METHOD	Direct Thermal	
PRINTING SPEED	Up to 152 mm/sec (plugged in)	Up to 101 mm/sec (battery only)
MAX PRINT WIDTH	80 mm	
EMULATIONS	SZPL, SDPL, SIPL, STCL, SEPL	
DIMENSIONS	132 (W) x 225 (D) x 161 (H) mm	132 (W) x 225 (D) x 180 (H) mm
WEIGHT	2.5 kg	3.0 kg

RFID Printers

SATO offers a wide array of UHF and NFC/HF encoding solutions to fit the application needs of today and the implementation of technology in the future.



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RFID PRINTERS



CL4NX Plus RFID



CL6NX Plus RFID



CT4-LX RFID



S84/86NX RFID Print Engine

SATO RFID Printers

SATO offers a wide array of UHF and NFC/HF encoding solutions to fit the application needs of today and the implementation of technology in the future. Our products support EPC, ISO, I-Code, Tag-it standards fulfilling case carton to item level tagging industry standards.

The SATO RFID printers write, verify and print smart labels and tags with embedded RFID transponders. In the case of a tag failure, the RFID printer will mark the tag, send a “bad tag” output and advance to the next one, assuring reliability in mission critical applications.

	UHF	HF	NFC	SATO RF ANALYZE (SRA)
CL4NX PLUS	X	X	X	X
CL6NX PLUS	X		X	X
CT4-LX	X	X	X	X
S84NX PRINT ENGINE	X			

Print Engines

As the world's largest supplier of thermal barcode and RFID print engines, SATO continues to manufacture solutions regarded as the premier standard for the print and apply industry.



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S84/86NX Series

Versatile thermal print engines, designed for demanding environments, high volume, 24/7 mission critical print and apply labeling solutions. .



FEATURE OVERVIEW

Intelligence inside the printer for standalone printing
Large color display for ease of operation
Improved dust and splash protection
RFID option

QUICK MAINTENANCE

Easy roller and tool-less printhead replacement
Convenient access to rear components
Improved gearbox design

USABILITY

Standard emulations onboard to fit into existing systems
One display concept
Multiple interfaces / Multi-national language support
Adjustable backfeed speed

	S84NX			S86NX	
	203 DPI	305 DPI	609 DPI	203 DPI	305 DPI
PRINT METHOD	Direct Thermal and Thermal Transfer or Direct Thermal Only Model				
PRINTING SPEED	Up to 304.1 mm/sec	Up to 355.6 mm/sec	Up to 152.4 mm/sec	Up to 355.6 mm/sec	Up to 304.8 mm/sec
MAX PRINT WIDTH	104 mm			167.5 mm	
EMULATIONS	SBPL, SZPL, SDPL, SIPL / Others: XML				
DIMENSIONS	245 (W) x 408 (D) x 300 (H) mm			245 (W) x 417 (D) x 300 (H) mm	
WEIGHT	TT: 14.1 kg DT: 12.7 kg			TT: 15.5 kg DT: 14 kg.	



Lt408

The Lt408 print engine, when integrated with an applicator system, provides low-throughput, light-duty applications with an automated, yet affordable, print/apply labeling solution to replace labor intensive hand labeling or expensive pre-printed carton inventory.

	203 DPI
PRINT METHOD	Direct/Thermal Transfer
PRINTING SPEED	Up to 150 mm/sec
MAX PRINT WIDTH	104 mm
DIMENSIONS	330 (W) x 271 (D) x 270 (H) mm
WEIGHT	9.7 kg

Options and Accessories

Dependable SATO brand accessories extend the value of your printers.
Available are a variety of options for thermal and RFID printers.



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Options and Accessories for Thermal Printers

Dependable SATO brand accessories extend the value of your printers. Available are a variety of options for thermal barcode, RFID and laser printers. Media handling options such as cutters, dispensers, rewinders/underwinders and linerless kits will increase the flexibility and efficiency of your printing systems. Competitive emulations and wireless networking interfaces allow for diversity and a great ROI. With SATO accessories, you'll find exactly what you need to increase the overall performance of your SATO printer.

EXAMPLES



CL4NX Plus with cutter



PV3 Battery Charger



RWG500 Rewinder



FX3-LX Mounting Station



Linerless Kit for PW4NX

Ask your local SATO representative

for **the whole list of options and accessories**

Consumables: Labels, Tags & Ribbons

For the best results of imaging and durability, use SATO Genuine labels, ribbons and supplies. Your customers will notice the difference.



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Labels / Ribbons / Wristbands / RFID Tags

SATO supplies a range of labels, tags, ribbons, RFID solutions, wristbands to complement its printer and hand labelling devices portfolio.

To meet every need (**waterproof, transparent, linerless, wash-off, durable in harsh conditions, metal direct thermal ...** and plenty of others!)

Standard and tailored solutions

High quality materials

Many products manufactured in-house at SATO

Our **European Consumables Program (ECP)** enables SATO partners to take full advantage of competitive discounts for all standard labels and ribbons based on the amount of volume purchased

SATO Consumables = High Quality + Professional Support







Ask your local SATO representative

for more details



SATO Application-Enabled Printing (SATO AEP)

Intelligence Inside the Printer

The next generation of printing allows the CL4NX Plus, CL6NX Plus, CT4-LX, CT4-LX-HC, and the FX3-LX for use as a complete standalone or connected printing solution, thus eliminating the need for costly computers and software maintenance. SATO AEP provides a robust platform to develop custom label printing solutions. Since AEP runs independent of host systems, all label processing/printing is done directly from the print station, including RFID* encoding. Enter data input directly to the printer LCD or using common peripherals such as a USB keyboard, barcode scanner, weight scale, or directly to local or cloud servers without middleware. There are no limits to the types of applications that can be developed, from simple fixed formats to complex data manipulation, SATO AEP sets the bar in barcode printing solutions.

Benefits for implementing SATO AEP solutions in your businesses including:

Reduce costs
Printer operates without a PC thus reducing the up-front investment and running costs.

Simplify & improve productivity
Improve productivity with simple to use applications and less operator training.

Focus on printing
Controlled AEP applications can limit unauthorized use keeping the printer operating with less interruption.

Contact your SATO Representative for more details on AEP solutions and development costs.

*RFID (NFC/HF/UHF) available on select CL4NX Plus, CL6NX Plus, and CT4-LX models.

AEP CLOUD: Intelligent Labelling & Automation

AEP Cloud is a scalable and adaptable solution that simplifies labelling and automation processes. Designed to enhance efficiency and operational control, it offers businesses flexible service tiers to meet their unique needs. With built-in no-code capabilities, SATO AEP Cloud offers a ready-to-use experience while also allowing for individually designed solutions. Businesses can leverage its freemium model to access advanced statistics and seamless printing, creating a fully customisable and efficient workflow.

PDF Direct Print

Enable swift, accurate and time-saving label printing from PDFs with SATO's PDF Direct Print. Users can directly print PDF data generated in other business applications or systems, alongside OS and PC applications, to reduce errors and improve operational productivity.

Requires a one-time permanent license per printer. Available with the CL4NX Plus, CL6NX Plus, CT4-LX, and CT4-LX-HC printers.

SATO App Storage

SATO App Storage is a cloud-based data management service to manage data centrally, ensuring up-to-date data and label formats are being used across all deployed printers. This assures the right data is provided to the correct printer no matter the location, simplifying deployment and setup of printers.

SATO Online Services

SATO SOS is a cloud-based system which monitors SATO printers and shares information for remote preventative maintenance and error detection without the need of an on-site engineer. Through online connectivity, the status of multiple printers is monitored, proactively preventing costly downtime and associated loss of revenue.

SATO Service Shop

Quick printer repair service for complete peace of mind

Whether you operate in a Retail, Manufacturing, Food, Transport and Logistics, Government or Healthcare environment you can rely on a comprehensive SATO Service program to cater for the servicing and maintenance of your SATO printers.

- Reduced cost of ownership
- Quick response repairs to minimise downtime
- Extends the life of your SATO printer
- Various contract formats available*

* Please check with your local SATO representative to ensure your location covered and which formats are available

HAND LABELLING DEVICES

ONE LINE / TWO LINE / THREE LINE HANDHELD LABELLING SYSTEMS

With over 50 years experience in the production of hand labelling devices, SATO continues to manufacture the most robust, reliable and user-friendly devices with complementary labels for all applications.

Designed for merchandise labelling in both small and large volumes, SATO devices can print one, two or three lines of information and are available in a number of models tailored to the needs of the application, including specific solutions for the food labelling sector.







APPLICATIONS:

In-store pricing
Discount pricing
Use-by dates
Best Before
Quality Control

APPLICATIONS:

Batch numbering
Date of manufacture
Product code
Serial numbering

DID YOU KNOW?

1. Direct thermal media can be used on **any thermal transfer** printer.
2. SATO AEP offers customization and standalone operation **(PC-free)** of the printer.
3. SATO CLNX Plus Series and CT4-LX printers are all Wi-Fi certified.
4. **Emulations** come standard on many SATO printers with print languages such as Zebra, Datamax, and Intermec.
5. Pre-loaded **instructional videos** provide real-time assistance to reduce down time for tasks such as ribbon or media replacement.
6. Visual indicators and tool-less replacement make **maintenance easy** on SATO printers.
7. Regular cleaning and preventative maintenance keep your SATO printer running optimally.
8. SATO manufactures a full line of stock media as well as custom made to order ribbon, labels and tags.
9. SATO wristbands are ideal for Healthcare providers.
10. SATO approach is to listen and to hear the Customer.

Corporate Profile

SATO is a global provider of AIDC solutions for leading companies, tagging every 'thing' to turn it into big data, making it knowable in real time.

Engineering hardware, software and consumables to integrate with third party offerings, it streamlines workflows and on-site data for a connected and sustainable world

We Start Where You Are

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