



Solutions for Logistics Industry

SATO provides best-suited end-to-end complete solution from receiving/put-away to shipping, to help logistics companies streamline operations and improve productivity.



satoeurope.com

Receiving

Reduce waiting time of shipping trucks and improve warehouse operational efficiency

Visualise reservation status and loading dock availability

Truck driver makes reservation for loading dock in advance via smartphone for warehouse to confirm and approve. Once approved, driver follows directions provided by warehouse to loading dock without need for waiting. Visibility of truck turnaround time enables optimisation of warehouse operation.



Utilise Optical Character Recognition (OCR) for inspection of received goods

Digitise information such as expiry date and lot number in text format using handy terminal with OCR function to reduce need for manual data entry.

Integrate handy terminal with mobile printer for easy on-the-go printing of receiving labels.



Reserve (temporary storage) area

Streamline operations using real-time locating technologies

Optimise operations & productivity of workers

Visualise location and movement of forklifts to provide optimal job instructions for workers and enhance their productivity.



Automated goods transport via shortest route

Transport goods to storage location via shortest route with the CarriRo handcart-style logistics support robot and real-time locating technology.



Identify item location with ease

Apply a tag on the item to be temporarily stored in the reserve area. With the tag, user can easily identify or search for item location via map application on a mobile tablet, thereby saving time.



Shipping

Improve asset management and shipping operation

Asset management and loss prevention

Attach RFID tags or labels on assets such as cage carts and container boxes for better management and prevent them from being misplaced or going missing during delivery.



Auto-print and apply shipping labels

Eliminate manual application of shipping labels through automatic print-and-apply solution. Use linerless labels to save work of disposing liners.



SCM label printing and shipping system service for retail logistics

Support to print logistics labels

The latest label printing software is available (can be obtained) through internet browser. At any of your logistic sites, the latest version of printing layout and product master can be used for printing.



Prevent wrong shipping and streamline shipping operation

Cloud-based delivery system service helps to streamline and improve the operation of distribution centres and efficiency of delivery operation.



Receiving



Office

Manage assets, labor, and items with accuracy using auto-identification technologies

Identify multiple keys in store/warehouse all at once

Use RFID for key management instead of manual logging. Register keys for usage by placing them on the reader. When returning keys, place them on the reader again so that system can match number of keys returned with number of registered keys in system.



Accurate attendance management

Conduct attendance taking easily and accurately by integrating devices such as thermometer with SATO's printers to accurately check operator's body temperature, verify date validity of their occupational licenses, print results on label and attach to attendance book.



Inventory control/ checking of best-before date

Inventory control/ expiration date check can be performed using handy terminal instead of conventional way of using visual check and manual recording.



Reserve (temporary storage) area

Shipping

Picking

Select the most suitable picking solution to speed up and increase accuracy of picking

1 Picking with route guidance

SATO's Visual Warehouse solution shows the shortest route based on where the picker is and item is stored. This enables inexperienced picker to achieve similar productivity as experienced picker.



2 Picking with voice assistance

Voice recognition technology provides 'hands-free' and 'eyes-free' picking operation. It frees up picker's both hands and eliminates need for visual check. The terminal shows picking sheet and product images thus bolstering efficiency and accuracy.



3 Picking with wearable device

Enhance work efficiency by showing the item image and its location on the display. Based on actual operation data, inventory relocation can be simulated. This helps with improving facility management.



Achieve great labor savings in item sorting

Digital Assort System (DAS)

When an item is scanned, LED at the sorting shelf for shipping will blink to show location to place item. This helps to guide operator for speedy operation.



Distribution processing

Enhance operation efficiency using Auto-labeling robot (applicable for low temperature environment)

- **Detect each item and automatically apply labels**

Simply place item on conveyer belt and camera will read direction of package to allow robot to apply labels with high speed and accuracy. Helps companies cope with labor scarcity during busy seasons or chronic worker shortage.



Auto-labeller for frozen and chilled foods

- **Apply labels without using a computer**

Mounted scanner shows product image which indicates where the label is to be applied when printing labels.



Stand alone

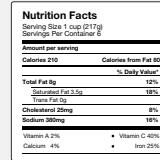
- **Applicable for variety of packages including food**



Food label



- Pack and apply sleeve labels
- Deep-drawn packaging
- Pillow packaging
- Wrapping packaging

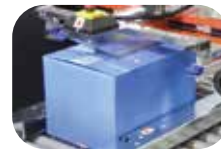


Export label



- **Improve productivity using carton sealing labeller**

Automatically form each of the piled cardboards into boxes and seal them appropriately for each box size. Reduce operation time for packing.



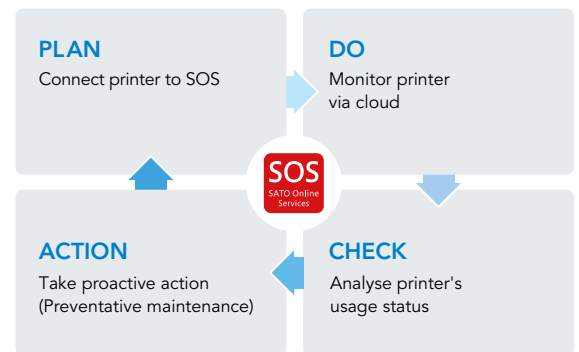
SATO Online Services

Reduce downtime significantly through preventative maintenance and proactive action

- Monitor printer's operation status 24/7 via cloud
- Assess printer status based on data to determine timing for replacing consumable parts
- Perform preventative maintenance such as parts replacement before breakdown to minimise operational downtime. Sign up for full-support package to enjoy unlimited parts replacement at no additional cost

*Necessary parts exchange will be proposed to customers without contract for SOS.

*If printers are connected through QR code, proactive action will be performed through automatic estimation based on scanned information.



Full-support package includes

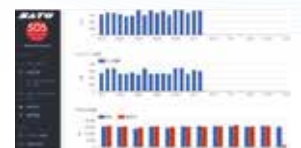
- Annual preventative inspection to check for possible printer problem before breakdown occurs
- On-site support by our customer engineers across country
- Prompt support by our customer engineer during sudden printer breakdown
- No additional cost charged for consumable parts

SOS enables asset management of customer's devices

Monitor printer's operation status and manage asset information for peripheral devices. Visualise working condition and location of terminal.



Unknown usage status/ printer location



Clear visibility via dashboard

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

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Ceaseless Creativity for a Sustainable World

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