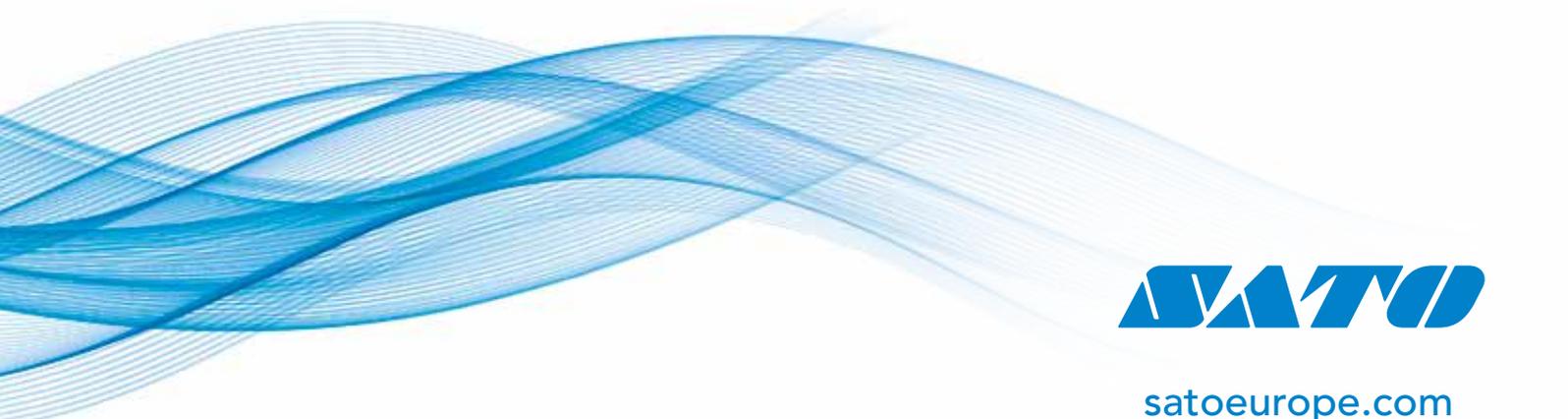




Solutions for Food Manufacturing Industry



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- Automate factory operations
- Streamline data management

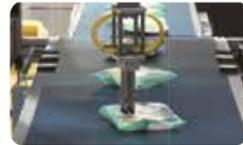
Automation



! Long working hours caused by labor shortage has been a social issue

Flexible support for on-site line speeds

Able to apply food labels on top / bottom / side of the product.



Automate and speed up packing and labeling process for shipping

Manual labeling for large amount of shipping takes time and labor. Auto-labeler streamlines and speeds up the operation for applying shipping label.



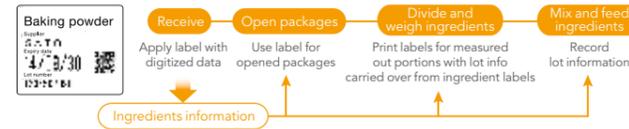
Traceability



- ! There is a risk for wrong use of ingredients and expired food
- Large amount of food is wasted
- Time consuming to keep production record
- Labor intensive data search, verification, and inventory control

Manage incoming, inventory control, transferring process

- Automate inventory control by ingredient or lot
- Inventory is searchable by various criteria. Possible to print out
- Real-time inventory update reflecting incoming, transferring, inventory counting and discarding items
- Apply labels on ingredients when ingredients are received which makes information traceable in later processes

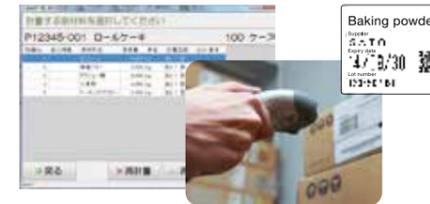


Production data management, Scaling / mixing process

- Able to check who, when, what and how much ingredients are used for each production instruction
- Yield management based on production output
- Print product label for product tracking and management



- Scan QR code before consuming ingredients to avoid errors and digitally keep use record
- Weigh accurately by connecting a scale to a computer



Shipping support

- Manage inventory by lot and expiry date after converting recorded production output into finished product inventory
- Generate picking list and helps picking route planning for smooth shipping operation



Shipping and traceability

- Shipping list prevents to load wrong items and also makes production details traceable when product failure is found on finished products.



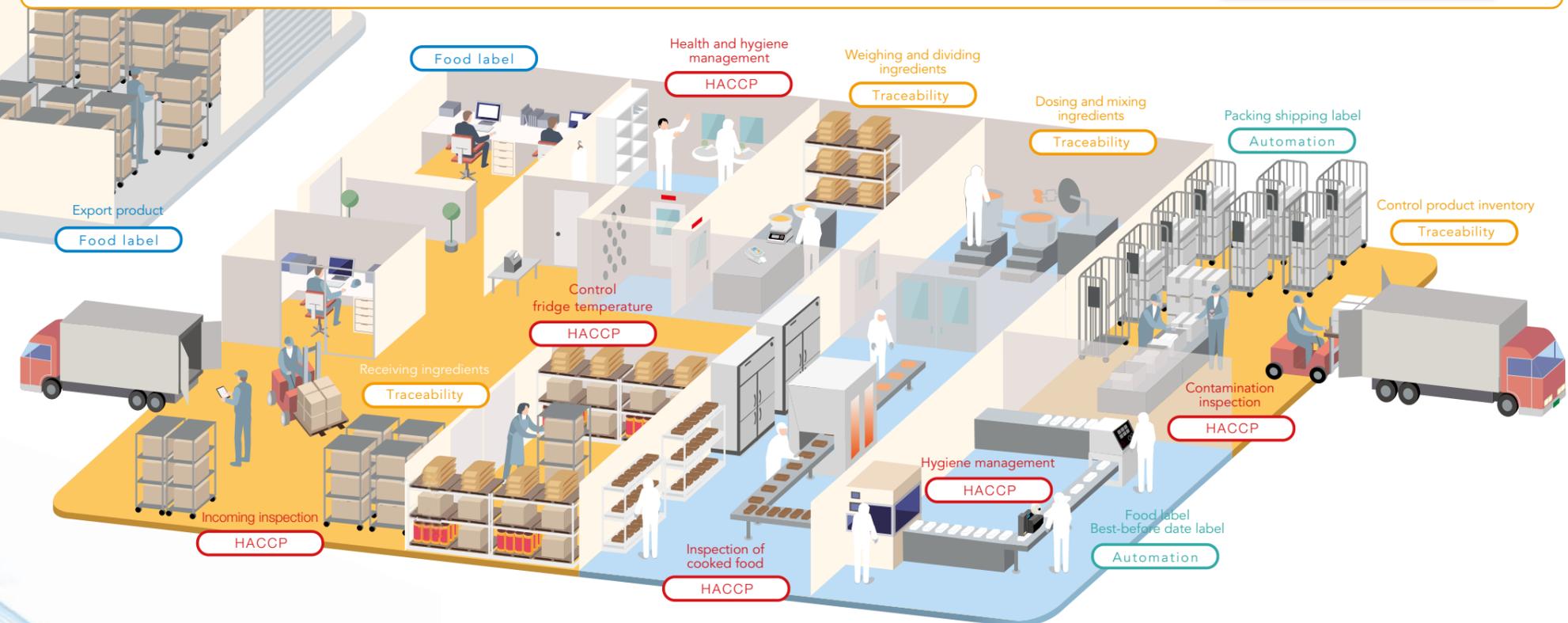
Food label



! Applying food label on exporting products is time consuming

Multi language labels for export goods

47 languages are pre-installed in the printer. Labeling on export goods which is applicable to local regulations in local language is available.



HACCP



! - Document preparation for HACCP compliance is time consuming
- Manually keeping record takes time and tends to cause errors

Cloud-based data management

Paperless and central data management for risk prevention check list for critical process.



Multi language support

Data entry application with multi-language support eases stress on foreign workers and helps job training.

Check real-time workflow

Keeping record digitally enables administrator to check and approve record in real time no matter the location.

Notification alert

Alert function notifies workers when temperature deviates from or data is unentered. Helps quick problem handling.



Connect with peripheral devices

Establish manufacturing process management system by connecting inspection device and application via Bluetooth to prevent data entry mistakes.



Core temperature thermometer (Bluetooth)



Temperature / humidity logger (Wi-Fi)



Examples of peripheral devices

Unified operation of printing labels avoids relying on the certain experience workers



- ⚠ - Time intensive to learn operation procedure for each printer model
- Each operation uses different printer model, which causes relying on certain experienced workers

✓ Unified label printing operation frees dependence on certain skilled workers

- Print various types of labels using one printer model to unify operations
- Enables flexible personnel allocation

Food label

Food expiration date control

Storage temperature

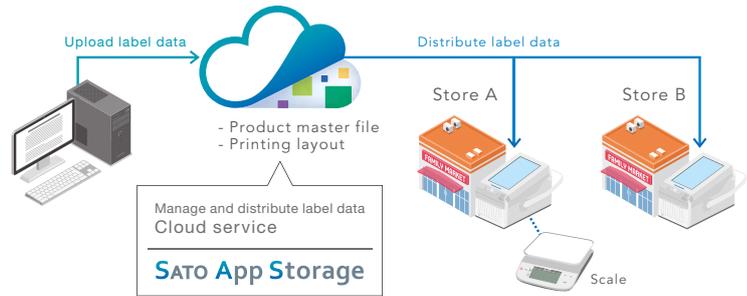
To-go label



FX3-LX

✓ Improve efficiency of label printing

SATO App Storage which is cloud-based service to manage and distribute label data distributes label data from a headquarter to stores. No need to worry for stores if the label is with the latest update. Thanks to the feature that printers and scales can be linked, each device can be carried individually to print labels anywhere needed.



SATO group expanding worldwide



as of Apr. 2019

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