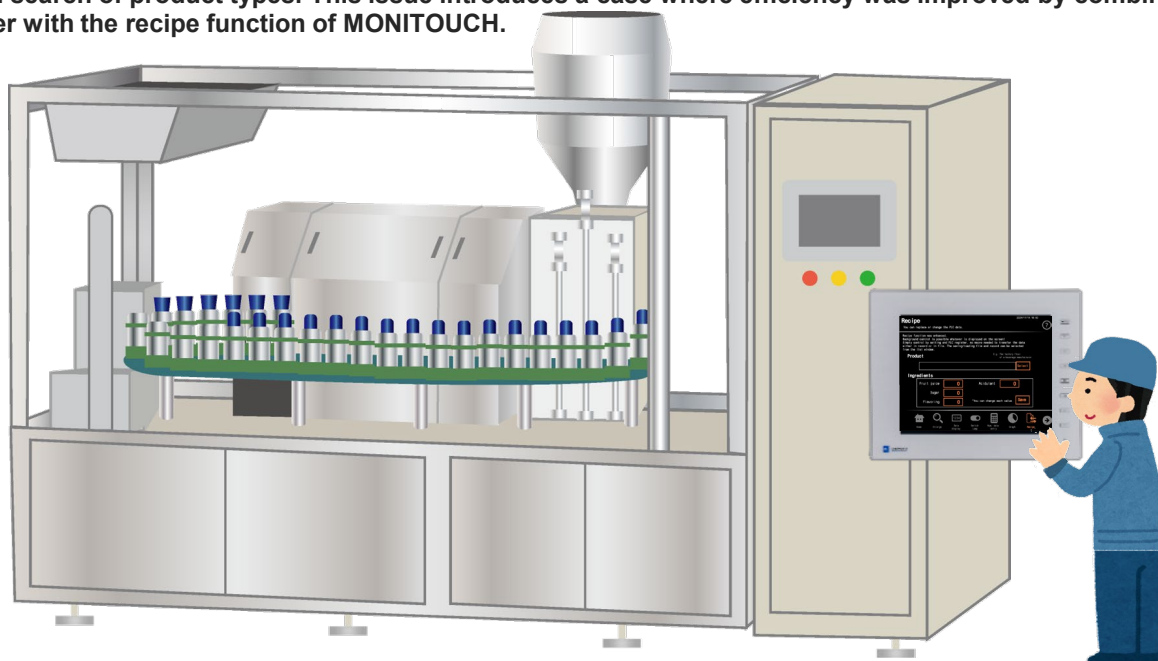


<Utilization Example> Easy Entry Using a Barcode Reader! Reduce Manual Entry to Greatly Improve Recipe Management Efficiency!

At production sites where high-mix, low-volume production is the norm, it is essential to increase the efficiency of registration and search of product types. This issue introduces a case where efficiency was improved by combining a barcode reader with the recipe function of MONITOUCH.

Filling machine



Significant reduction of man-hours in registering recipes

- If there are over 1000 product types, work for registering over 1000 recipes is necessary. Recipes can be given names to facilitate management, but manual registration of names is time consuming and there is a risk of making mistakes when entering the names.
- Connect a USB barcode reader to the V10 series and scan a prepared list of barcodes for registering recipe names. This allows for easy registration without mistakes.

Enter recipe names from the recipe registration menu

Register to a CSV file.



or



(Recipe 1)	Data	Data	Data
(Recipe 2)	Data	Data	Data
(Recipe 3)	Data	Data	Data
(Recipe 4)	Data	Data	Data
•	•	•	•
(Recipe 1000)	Data	Data	Data

Easy for operators

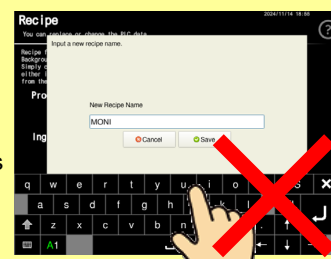
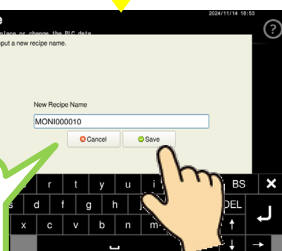
Reduce manual entry man-hours and mistakes!

Time for 1 registration
Shortened from 20 sec to 5 sec → 15 sec reduction

1000 registrations necessary
→ 15 sec × 1000
= 250 min
≒ Approx. 4 hours

4 hours reduction

Read a recipe name from a barcode and press the [Save] switch to register.



Searching for and calling recipes made easy with a barcode reader

- When a large number of recipes are stored on an SD card, scan the recipe name barcode of the desired recipe data using a barcode reader to easily call/select recipes.

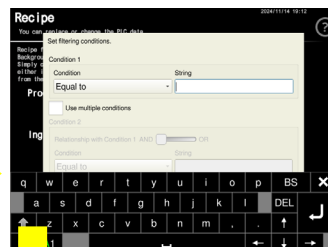
Large number of recipe data registered in CSV file



(Recipe 1)	Data	Data	Data
(Recipe 2)	Data	Data	Data
(Recipe 3)	Data	Data	Data
(Recipe 4)	Data	Data	Data
.	.	.	.
(Recipe 1000)	Data	Data	Data



Filter



Cursor displayed at filter conditions

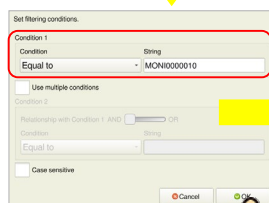
Easy for operators

Searching is far more efficient!

The work load at the production site is reduced.

Efficiency improved at production site

Work efficiency is improved at the production site by reducing man-hours.



Read a recipe name from a barcode and press [OK].



Applicable recipe displayed



Press [Load].

Calling of recipe data read by the barcode reader and searched for is complete.

Let's take a break ...



What are recipes?

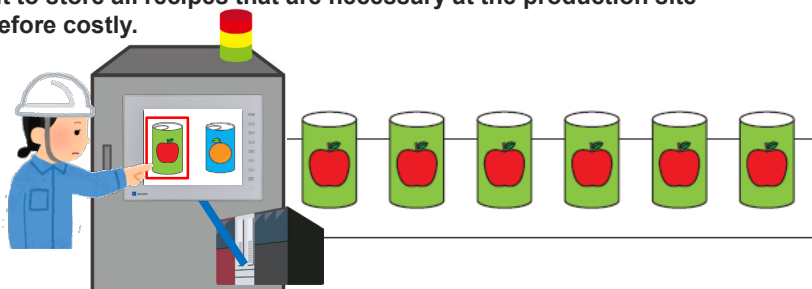
- In manufacturing, the conditions and data that are indispensable for making products are collectively referred to as a "recipe".
- In order to produce and deliver products with consistent quality, the use of recipe information specific to each product is crucial.
- Recipes for products to be produced on a particular day are managed at the production site, and smoothly changing between recipes according to the production conditions results in efficient production of higher quality products.

What is the recipe function of MONITOUCH?

Precise and easy management of "recipes" is essential at the production site. Yet recipes comprise different information according to the product type and there may even be a need to modify them at the production site. Using the PLC that controls the production equipment to store all recipes that are necessary at the production site calls for a large amount of memory, and is therefore costly.

If you can switch/change the data stored in the PLC as necessary, not only is it possible to suppress equipment costs, but operators at the production site can manage recipe data without stress.

By using the MONITOUCH recipe function, data can be switched/registered with ease.



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