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# RECIPE MANAGER

Putting you in control of every cook

Recipe Manager software package provides a simple-to-use and flexible method of controlling a recipe driven production process. Working closely with our customers to understand what they require, we have developed the very best system on the market. Customers are able to create ingredients listings, step-by-step procedural recipes and user access security with all recipes stored to a relational database.

## Features

- ⇒ 1– 32 kettles
- ⇒ Recipe sequences run automatically
- ⇒ Piped additions are batched automatically, and verified by load cell or flow meter
- ⇒ Ingredients checked by weight and any deviations recorded
- ⇒ Real-time remote view of kettle during the process
- ⇒ Full traceability - Records all weights, temperatures, sequences, deviations and errors
- ⇒ Calculates the efficiency of each cook or batch
- ⇒ Revision support for documenting recipe modifications and allowing for full traceability
- ⇒ Calculates pasteurisation values for pathogenic Microorganisms (PU / PO)

- ⇒ Automatic scaling of recipe ingredients to any batch size
- ⇒ Creates batch reports in text and graph formats which can be exported to xls, pdf, html
- ⇒ Sophisticated scheduler controls all kettles. Large batches can be automatically split between several kettles if required
- ⇒ Several users can run Recipe Manager on different machines concurrently
- ⇒ Older systems can be upgraded
- ⇒ Typical applications include Cooking Kettles, Cooling systems, Cook Quench Chill systems & CIP systems



DCN Recipe Manager V3.5 - [Remote Access]

File Recipe Management View Configuration Window Help

Log Out Recipe Designer Upload Recipe Batch Report Remote View Scheduler Continuous Data Manual Report

Machines Connected to Kettle 1 (192.168.1.235)

Kettle 1  
Kettle 2  
Kettle 3  
Kettle 4  
Kettle 5  
Kettle 6  
Kettle 7  
Kettle 8  
Stock 1  
Stock 2  
Stock 3  
Holding

Automatic Manual

Recipe FSJ538 M&S Parsley Sauce

0 0 634 lb  
4 °C

**Add Ingredient**

Weight Req. 23.72lb (+/- 3)  
Weight Verified  
Ingredients / Action  
6mm Diced Onion

**Underweight By 23 lb**

Confirm

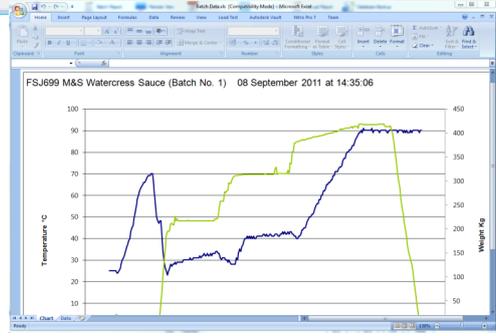
Return Ingredient List View Recipe OverView Start

Communication

Send Message Reply from Operator

Steps

- 01 Tare Kettle
- 02 Add Ingredient
- 03 Add Ingredient
- 04 Start Agitator
- 05 Jacket Heating ON
- 06 Wait Until Temperature
- 07 Cook (Wait) Time
- 08 Jacket Heating OFF
- 09 Add Ingredient
- 10 Add Ingredient



# SYSTEM OVERVIEW

Designed to manage cook processes in a semi-automated controlled manner; recipes are created within the Recipe Manager application and stored in a Microsoft SQL database. Created recipes can then be transferred to each kettle individually or by using the scheduler, the recipe ingredients are automatically scaled for any desired batch size.

## Cooking

The kettle automatically follows each written recipe. The amount of automation varies dependant on the application. For fully piped systems; all additions heat, speed and times are controlled by the kettle and no operator intervention is required at all. For recipes with manual additions (the majority of installations) the user is prompt when an ingredient or ingredients are required. The addition must be within the tolerance, written in the recipe, before the step can continue. A full record of everything that occurred during the cook is always recorded.

## Scheduler

The scheduler organises all kettle activity, forcing batches to be cooked in a specific order. Multi tonne batches can be automatically split between several kettles.

## Reporting System

A full report is available immediately after the cook. This includes details regarding the person responsible for the cook as well as all temperatures, weights, amounts actually added and any deviations. The report also automatically calculates pasteurisation values and cooking efficiency. All reports can be exported to a variety of other formats including xls, pdf, html.

The system requires the following equipment:

- **Office PC** - Supplied with the system when not installed in a client server configuration.
- **PLC** - Currently the system is available using Mitsubishi Fx series PLC configuration. Other PLC types can be provided if required, however some functional limitation may apply depending on type.



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