



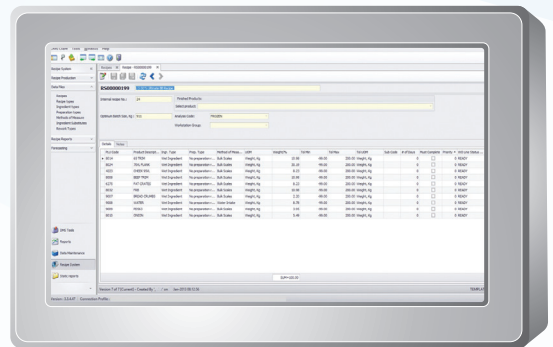
FOOD PROCESSING SOFTWARE

# Recipe Formulation

Emydex Recipe Formulation software is currently operating in over 15 Meat, Fish and Food processing plants around the world including Ireland, the UK, Europe, Africa and Australasia. Our Recipe formulation software system is used to produce a wide range of food products from Burgers, Sausages and Mince, to Sauces and Marinades, to Infant and Baby Formula.

The Recipe Formulation Module is a fully integrated component of the Emydex production management platform which will run on any standard PC terminal. The main function of the Recipe formulation module is to produce consistent formulations with full forwards and backwards ingredient traceability.

Recipe Definition Setup ▶



## Recipe Formulation covers: Recipe Definition

Recipes can be created by specifying the list of products (ingredients) to be used in the recipe and defining settings such as target quantities, tolerance ranges, allow product substitution, weighing methods, operator instructions as well as any quality or handling instructions.

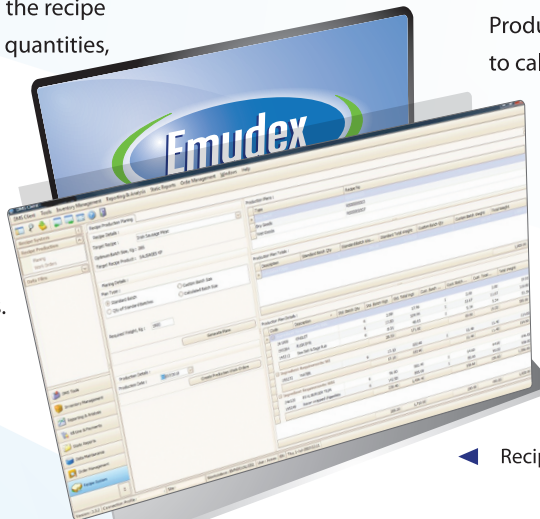
Recipe types include standard recipes, sub-recipes and pre-recipes.

## Recipe Production Planning

Production planning functionality offers flexibility to calculate recipe production requirements by:

1. Standard Batches or Quantity of Standard Batches (optimised to bowl chopper capacity).
2. Custom Batch Size.
3. Calculated Batch Size i.e., recipe planning based on the quantity of one (limited) ingredient.

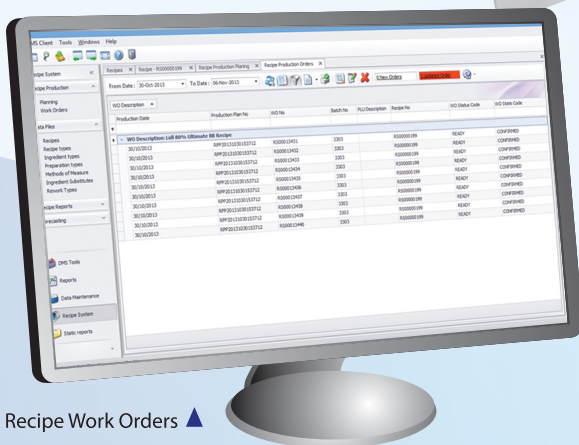
▶ Recipe Production Planning



## Recipe Work Orders

Confirmed production plans are converted into Recipe Works orders for production.

- Recipe Works orders assign instructions to groups of operators in separate production locations.
- Ingredient requirements are presented in the order for which they are to be prepared, displaying target weights and pre-configured tolerance levels.
- Works orders are key to Forward Traceability reporting.



▶ Recipe Work Orders

MARKET LEADING PROVIDER OF  
FACTORY FLOOR SOFTWARE SYSTEMS  
FOR FOOD PROCESSORS



BEEF



LAMB



PORK



POULTRY



FISH



SHELLFISH



DAIRY



PRODUCE



PROCESSING



3PL

## Recipe Dispensing & Blending

- Ingredients are weighed into final blending in order of priority.
- Dynamic fill gauge and colour-coded buttons assists the operator during the dispensing of ingredients process.
- Formulation can be by weighing ingredients, scanning pre weighed ingredients, count of fixed weight ingredients, measuring by flow meter.
- System verifies weights added are within pre-set tolerance levels.



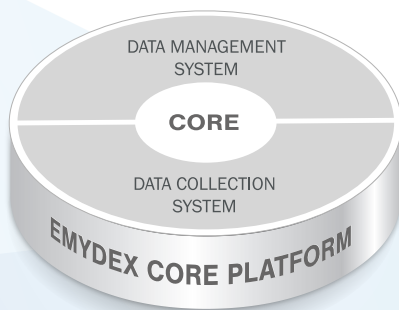
- Ingredient traceability numbers are captured, as well as any additional quality information such as temperature or PH levels.
- Health & Safety Instructions are displayed in relation to each of the current ingredients being added to the recipe.
- Link to stock for finished products.
- User defined recipe and ingredient usage reports.
- Recipe weighing out.

◀ Recipe Blending Terminal

## Benefits of Recipe Formulation System

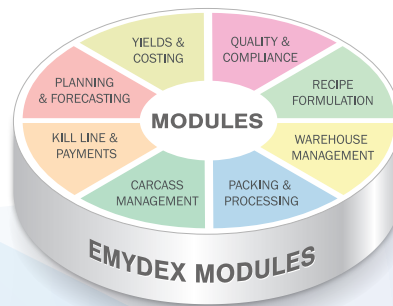
1. Ensures consistent, correct formulation of all recipe batches.
2. Maintains full forwards & backwards traceability.
3. Control costly over and under production.
4. Maximise ingredient usage, control waste.
5. Control ingredient substitution.
6. Ensures operators are aware of health & safety, process control and materials handling instructions.
7. Integrated part of overall factory system.
8. Monitor progress of work orders in real time.
9. Ingredient and recipe batch labels to ensure traceability.

## COMPLETE FLEXIBILITY



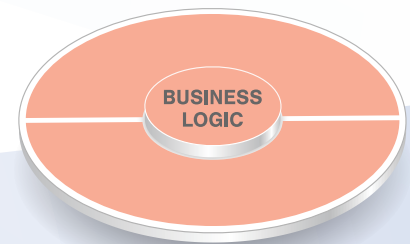
### CORE PLATFORM

The Emydex Core Platform is a common code-base that is implemented as standard across our entire customer base. The Core Platform consists of two main components, the Data Collection System (DCS) and Data Management System (DMS).



### SOFTWARE MODULES

The Emydex suite of software includes a collection of independent standalone software modules designed to manage and control particular stages of the Food Production Process. Each module sits on top of the Core platform, and can plug seamlessly into any other Module.



### BUSINESS LOGIC

Emydex software is highly configurable and customisable. Through a customer specific layer of Business Logic, Emydex can be adapted to suit existing business processes, delivering a much closer fit with your business.

For more info view our website

