Freelance Formulation is an essential recipe management component for single product or multi-grade product applications. Freelance Formulation provides recipe management the easy way.

Typical applications areas are:
- recipe management in the food and beverage industry
- tank farm automation
- other industries such as cement, fine chemicals, paint, coating, boiler, pharmaceutical, etc.

Freelance Formulation is also a preferred solution for common sequencing applications like continuous process startup/shut-down, equipment sequencing, or cleaning skid control. With these applications you have repeatable execution of activities and can make use of parameters. That means that instead of pure Sequential Function Charts (SFC), Freelance Formulation’s flexible parameter management and traceability allows for shorter changeover times from one recipe to another.

Key functions
- Integrated in Freelance Operations
- ISA 88 terms are used so that batch experts do not need to learn new terms.
- Supports automatic batch reporting
- Supports logging of operator actions
- User administration with Security Lock

Structure of the recipe levels
Three recipe levels are supported:
- **Master Procedure**: represents the SFC which describes steps and associated actions controlled by transitions. For example the equipment needed (mixer, reactor) and the necessary steps to be performed to produce orange juice, such as mixing and dosing of components or pasteurization.
- **Master Recipe**: contains the ingredients and amounts as well as other parameters (duration, reactor temperature, etc.) to produce a norm quantity of the product, for example a barrel of orange juice.
- **Control Recipe**: is generated from the Master recipe to produce a certain quantity of the product, which usually differs from the norm quantity, for example a liter of orange juice. When the Control Recipe is downloaded to the controller, it becomes a Batch.

Life cycle concept with workflow procedure for recipe levels
- Supports configuration and operator mode similar to Freelance Engineering
- Parameter sets are managed as Control Recipes
- Flexible capacity calculation for parameter values included
- The recipes are executed on SFCs.

Sequential Function Chart for recipe management
Easy reporting

Once a control recipe has been executed or aborted, Freelance Formulation will automatically run a simple batch report based on Microsoft® Excel®.

Easy to use

The user has one tool to configure recipes, organize parameters and create control recipes. It provides all the information the operator needs to manage batches in one simple application, easily integrated into user graphics. Little or no knowledge of a batch manager software package is required to use Freelance Formulation. This results in less time learning a tool, and more time to focus on the process.

Summary of benefits

- **Easy to use**: The tool is very easy to learn and does not require intensive training.
- **Value for money**: competitively priced and yet comprehensive recipe management solution.
- **Easy to integrate**: fully integrated solution for Freelance, accessible via right-click from the faceplate in Freelance Operations.

For more information please contact us:

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