

OpreX™Control Improvement Software

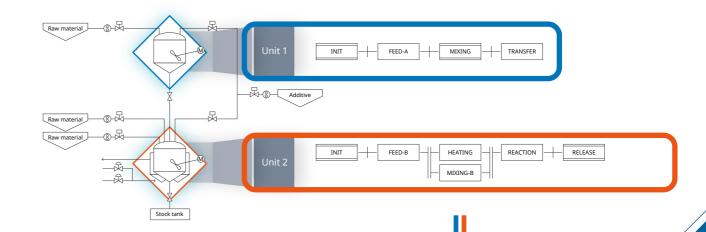
Integrated Recipe Manager (IRM)



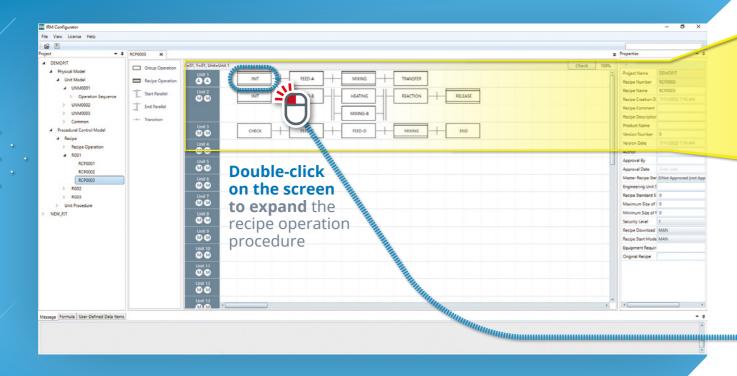


Aggregating all the information you need to create **master recipes much quickly**

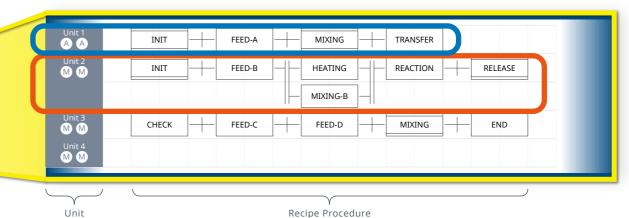
When creating a master recipe, IRM can aggregate and link the constituent elements such as headers, procedures (recipe unit procedure, recipe operation procedure) and formulas, and also check the physical model screen defined in accordance with ISA-88 for efficient creation.

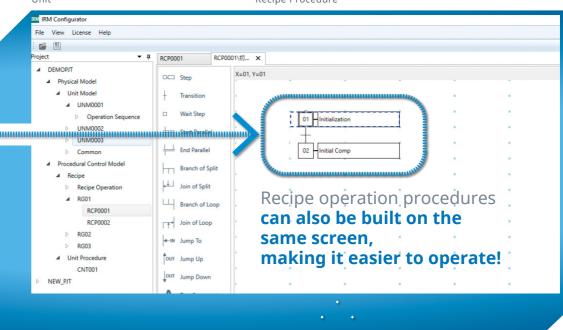


Recipe Procedure Configurator



Higher visibility since multiple recipe procedures can be referenced on the same screen!





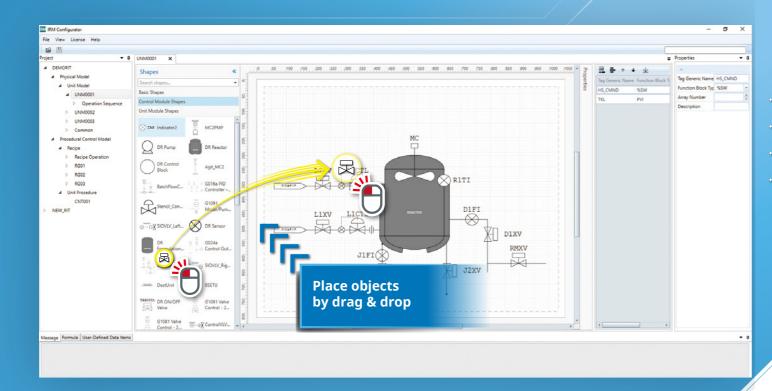
3 Integrated Recipe Manager Integrated Recipe Manager 4



Designed from unit model to operation sequence, with a graphical user interface to simplify recipe engineering work

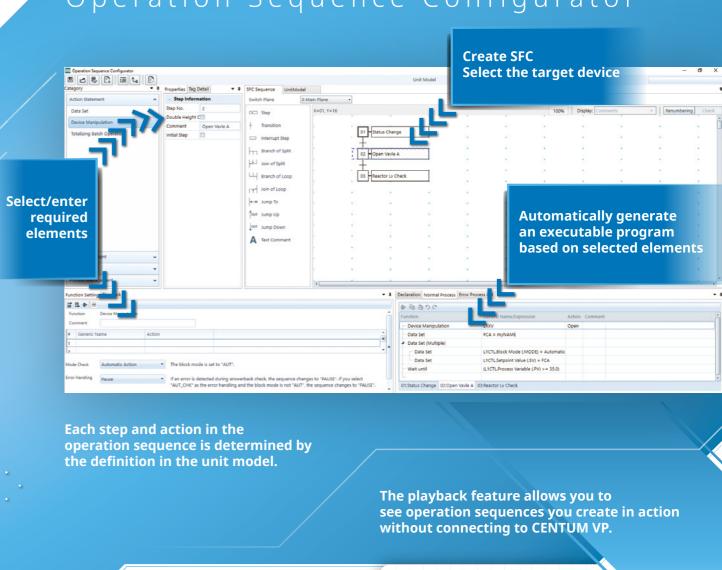
IRM allows you to design from a unit model to a unit sequence in an integrated fashion. It is possible to efficiently create the requirement specifications for the system when the plant is installed. Unit models can be illustrated graphically and related operation sequences can be built without programming through a pull-down selection method. The information in the requirements specifications is used to create batch controls.

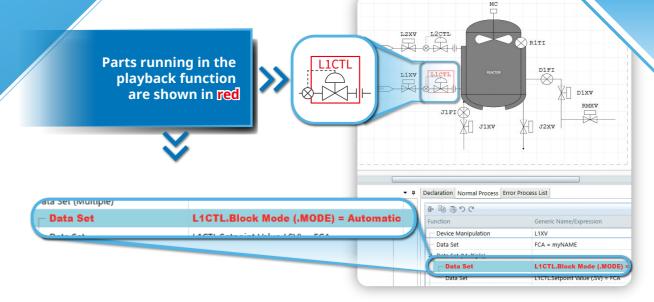
Unit Model Configurator



Unit Model Configurator allows you to design unit models in the same manner as typical drawing software. Since IRM uses generic names rather than tag names that depend on actual physical devices, the design of the unit model can proceed even before the input and output information is finalized.

Operation Sequence Configurator





5 Integrated Recipe Manager 6



Simplified process design and engineering with reusable design modules, resulting in reduced timelines

Batch systems are often designed with similar control modules and sequences. IRM allows you to register and reuse control modules, sequences and recipes as parts in your library. By reusing registered parts as templates, you can achieve efficiency and consistent quality in creating system specifications and master recipes.

Register created modules, procedures, sequences, and etc.





Recipe unit procedure Recipe operation procedure

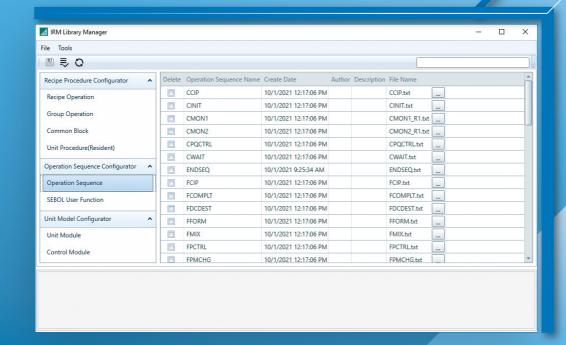


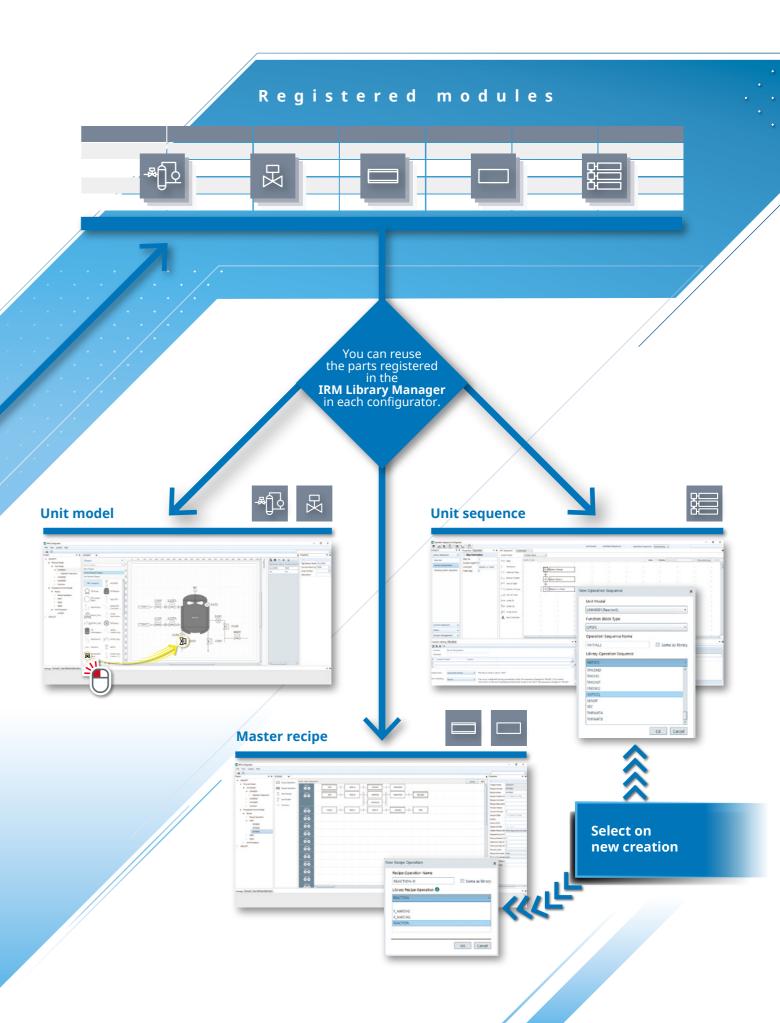
Operation sequence





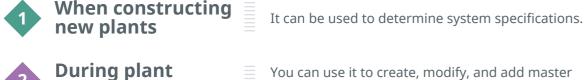
Register and manage unit modules and control modules, recipe unit procedures, recipe operation procedures and operation sequences.



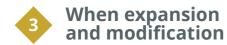


Utilization in the lifecycle of a batch plant

IRM can be used in a variety of situations, including new batch plant installations and operations, expansion and modification.



You can use it to create, modify, and add master recipes, as well as manage them as a whole.



operation

It can be used to determine system specifications for expansion and modification.

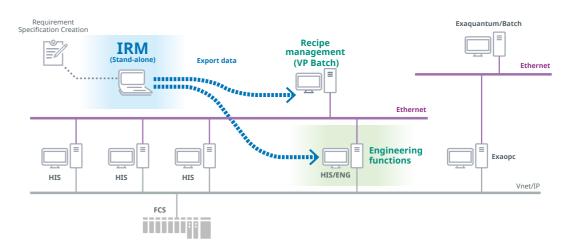


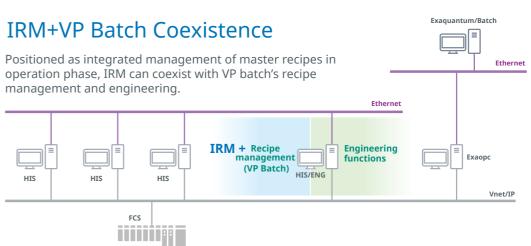
IRM System Configuration

IRM can be configured flexibly depending on how the system operates.

Stand-alone IRM System Configuration

Using IRM, the customer and Yokogawa engineers can meet before the system is implemented and create the requirement specifications.









9 Integrated Recipe Manager Integrated Recipe Manager 10

Key features of IRM

IRM Configurator

- **Unit Model Configurator**: Graphically draws and builds unit models that make up a batch plant
- Operation Sequence Configurator: Constructs an operation sequence of units or equipment modules
- **Data Configurator**: Manages variables defined on an operation sequence
- Recipe Procedure Configurator: Build procedures for non-resident units(*1)
- Unit Procedure Configurator: Build procedures for resident units(*2)



Unit Model Configurator



Recipe Procedure Configurator



Operation Sequence Configurator



Unit Procedure Configurator



Data Configurator

- *1 : The units created by the unit procedure vary depending on the product. These units are created using the master recipe of the batch management package (VP Batch).
- *2 : Units that have a fixed procedure and do not use master recipes, regardless of what unit procedure makes.

Other features

- **IRM Library Manager**: Build and manage reusable content
- IRM Management Tool: Create and manage IRM projects and back up and restore project data



IRM Library Manager



IRM Management Tool

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