



By using MELSEC iQ-F and GX Works3

master a wide variety of FBs!

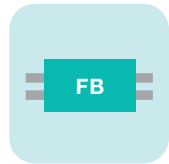


What is an FB?

FB is an abbreviation for a Function Block that is designed to convert a ladder block, which is used repeatedly in a sequence program, into a component (FB) to be utilized in a sequence program. This not only increases the efficiency of program development but also reduces programming mistakes to improve program quality.



Converted into a component

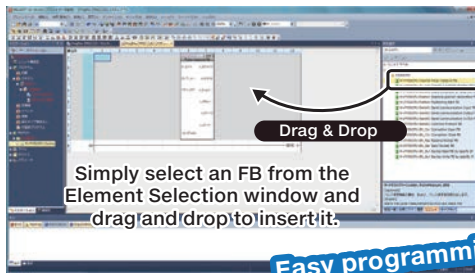


Advantages of FBs

Improving efficiency

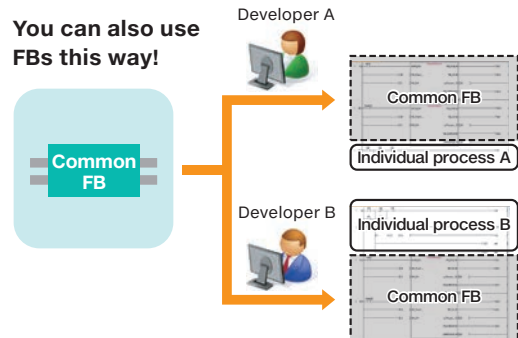
Improving quality

- Easy programming. Simply drag & drop!
- Compact and easy-to-read programs!
- Converting a standard program into a component allows the program to be reused!
- By setting up a block password, the leakage of know-how on the creation of programs can be prevented!



Easy programming!

You can also use FBs this way!



For details, refer to the catalogs. (L(NA)08475ENG)

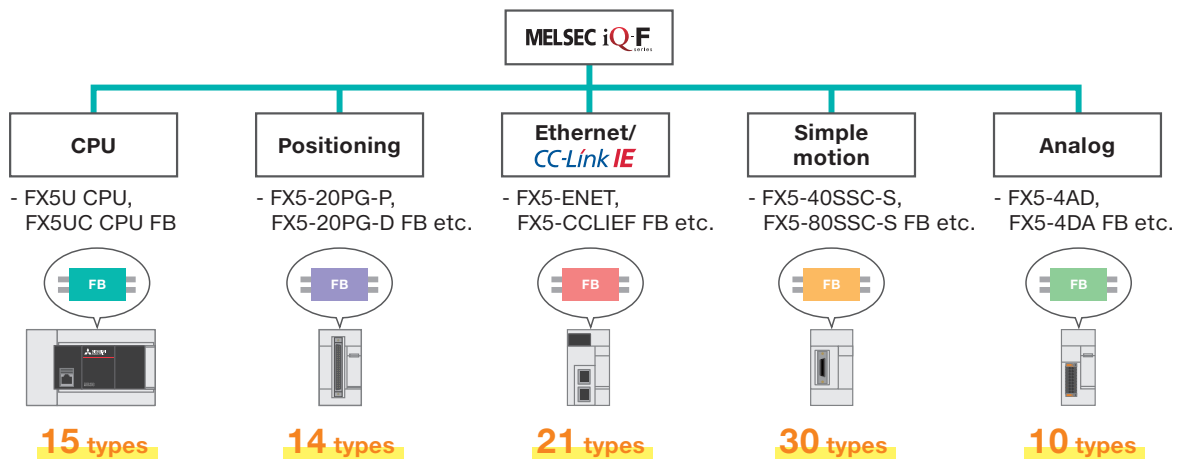
As shown in the upper figure, when developers A and B are developing sequence programs for different devices, using the same FB for the common processing enables creating sequence programs of consistent quality.

This leads to quality improvement!

Module FB*1 and types

Module FBs are included in GX Works3 in advance.

"Module FB" is a componentized program that controls each module. There is no need to program from scratch and programming man-hours can be reduced.



*1: For details, refer to FB reference manuals of each product.



New

Master cam output control FBs!



Problems at the moment

I don't know how to program cam output control. Isn't there a good method for reducing the man-hours?

This will solve the problems!

By using "Cam output control FBs", you can easily create programs!



What is advantage of cam output control?

By using cam output control, many mechanisms (the vertical and horizontal movement) can be operated periodically with just a single motor.

Cam output control FB list

M+CamCtr_CamOutputTable_F (Cam output table setting)

...Sets the angle for ON/OFF control of the cam output.

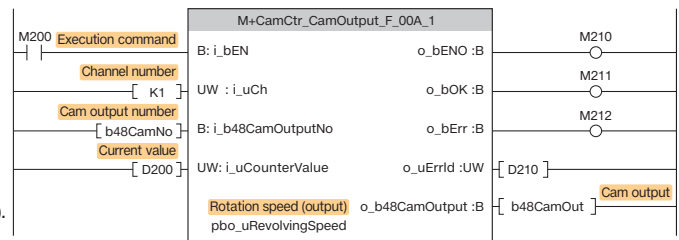
M+CamCtr_AngleAdvFunc_F (Automatic angle advance function setting)

...Sets the automatic angle advance.

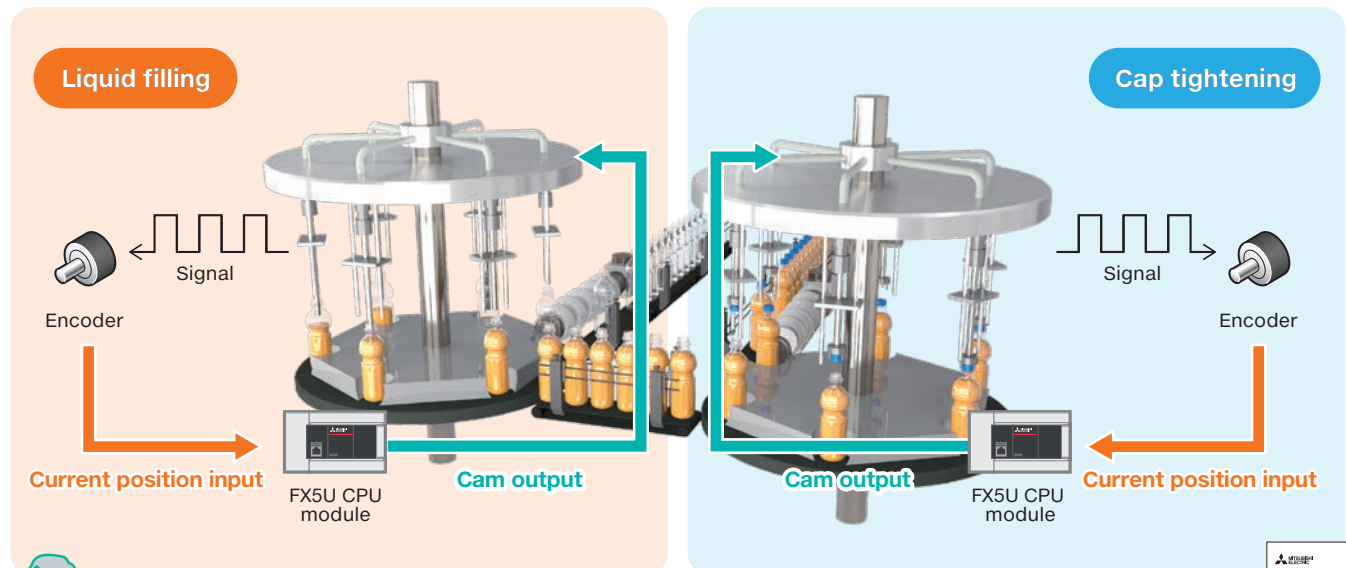
M+CamCtr_CamOutput_F (Cam output)

...Turns on or off the cam output according to the input angle (count value).

Cam output control FB (Example: Cam output)



System Configuration Example: Beverage plant



By automating accurate operation which cannot be performed by hand, productivity can be improved!

For details, refer to the MELSEC iQ-F Cam Output Control Function Block Reference. (SH(NA)-082060ENG)

