

Table 1.1 Comparison of the sample library before and after the release

| Item | Before release | After release |
|-----------------------------|--|---------------------------------------|
| Number of command lines | 20 lines to 100 lines | 1 line |
| Program creation time | Long (several hours to several days) | Short (several minutes) |
| Robot implementation hurdle | High (requires specialized knowledge) | Low (executable with simple commands) |
| Robot design cost | High (requires many resources) | Low (enables efficient designs) |
| Robot adjustment cost | High (time-consuming) | Low (allows quick adjustment) |
| Robot startup time | Long (several weeks to several months) | Short (several days) |

2 Sample library configuration

There are two types of sample library configurations. Please download one type from the Mitsubishi Electric FA global website. There are no differences in the operation of the sample programs contained in the sample library. The downloaded contents are shown in Figure 2.1 and Figure 2.2 below.

The first configuration separates each function into individual programs. Operation is enabled by including only the programs related to the necessary function. In the second configuration described later, where all functions are combined into a single program, unused functions are also included within the program, resulting in a larger file size. For those who wish to use only the necessary functions, please download and use this configuration.

The second configuration combines all functions into a single program. Operation is enabled by including MMFUNCALL.prg. For those who are using this sample library for the first time, please download and use this configuration.

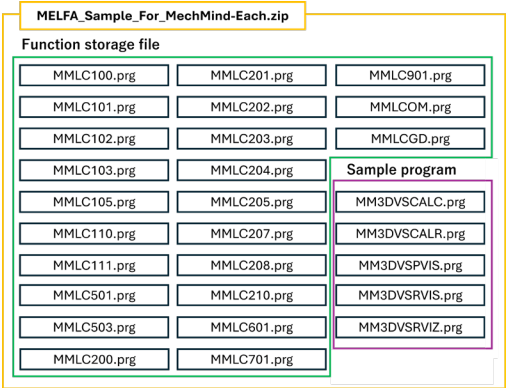


Figure 2.1 Sample library
(program configuration diagram
divided by function)

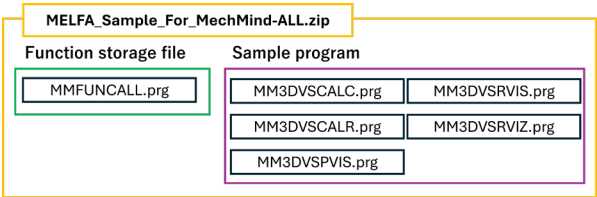


Figure 2.2 Sample library
(program configuration diagram
with all functions combined)

■ Related information

- Mitsubishi Electric industrial/collaborative robots-MELFA sample library

<<https://www.mitsubishielectric.com/fa/download/software/search.page?mode=lib&kisyu=/robot>>

- Mech-Mind official website

<<https://www.mech-mind.com/>>

- Mech-Mind YouTube channel

<<https://www.youtube.com/@MechMindRobotics>>

- Mech-Mind Online Community website

<<https://community.mech-mind.com/>>