

Motion Control Software SWM-G

Software-based controller for high-precision motion control

Features numerous motion control functions by C language based programming

- High-precision motion control and network control are easily achieved just by installing Motion Control Software on a personal computer.

Controls up to 128 axes of the MR-J5 servo amplifier

- Up to 128 axes can be controlled.
- The maximum number of control axes can be selected according to your equipment.

Maintenance solution by MELIPC

- When SWM-G is installed and operated on the MELIPC (industrial personal computer), the system offers a powerful maintenance solution utilizing the Edgexcross-compatible software.

Free trial version SWM-G-W currently available

- A trial version of the software (*with restricted functions) is available now. To obtain SWM-G-W, contact your local sales office.

Conceptual diagram



Integrated test tool SWM-G Operating Station

Shortening design/startup time and reducing the total cost of ownership

Simple programming with a comprehensive API library

- Enables easy access to Motion Control Software utilizing API Library.
- Provides simple programming by using a dedicated library suite for access to Motion Control Software.

Easy startup with an integrated test tool

- Enables easy startup of Motion Control Software by the motion settings of SWM-G Operating Station.
- Offers support from design to maintenance and reduces design time.

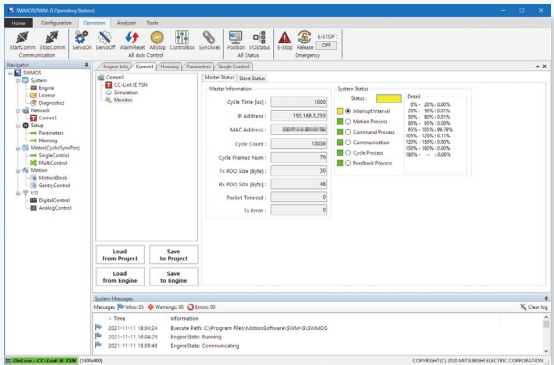
Easy servo adjustment with MR Configurator2

- Tuning, reading/writing parameters, monitor, and diagnosis, etc. are easily performed by connecting with the servo amplifier.

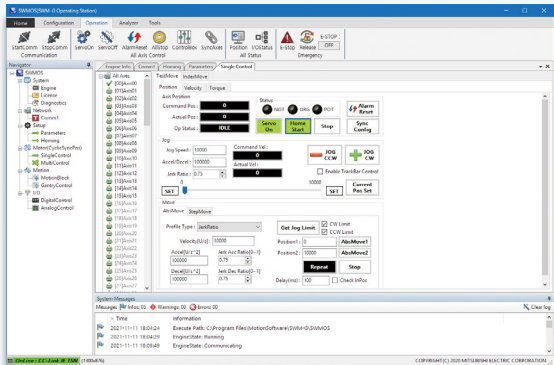
Conceptual diagram

SWM-G Operating Station

● Communication settings with MR-J5-G



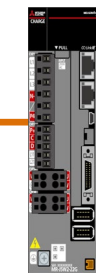
● Axis parameter setting, axis monitor





**MELIP series
MI3000**

CC-Link I^{ET}SN



**Servo amplifier
MR-J5-G**



MR Configurator2

Servo system MELSERVO-J5

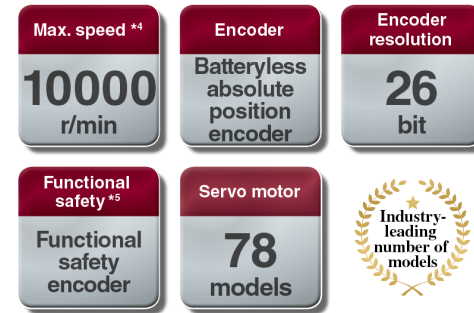
Constructing a high-performance servo system using our extensive product line

MR-J5W-G multi-axis servo amplifier

- Enables high-speed, high-precision control.
- This multi-axis servo amplifier also saves space and simplifies wiring.

HK series rotary servo motor

- The maximum speed is 10,000 r/min.
* Supported by HK-MT_V (incremental encoder).
- Equipped with a 26-bit resolution batteryless absolute position encoder as standard, reducing maintenance costs.
- The one-touch lock eliminates the need for tightening screws, making wiring easy.



*1. HK-MT_V (incremental encoder) supports 10000 r/min.
*2. Supported by HK-WS.

Various servo system partners

- Enables a flexible system configuration with a wide variety of partner products such as linear servo motors and linear encoders.

Conceptual diagram

