

# SANMOTION

## SERVO SYSTEMS

### AC SERVO SYSTEMS



#### SANMOTION G

30 W to 5 kW

This new AC servo system is compact, lightweight, and energy-efficient, providing advanced servo performance for high-speed, high-precision control. It also offers various safety functions such as monitoring power supply status, estimating brake life, and preventing electronic failures to ensure operator safety.



#### SANMOTION R

AC: 30 W to 55 kW; DC: 2.4 W to 200 W

High-performance AC servo systems include advanced servo amplifiers and highly efficient motors with vibration suppression. High-resolution encoders enhance trajectory accuracy and position repeatability, reducing cycle time and enhancing production efficiency.



#### SANMOTION S (Spindle Motor)

37 kW

AC Servo Systems consisting of AC spindle motors and AC servo amplifiers.

### LINEAR SERVO SYSTEMS



Linear servo systems are suitable for applications requiring high speed and high accuracy. These products are suitable for applications such as semiconductor manufacturing equipment, LCD manufacturing equipment, chip mounters, wire bonders, and conveyors.

### DC SERVO SYSTEMS



#### SANMOTION K (Reduced Cogging)

23 W to 500 W

The SANMOTION K DC servo motors achieve smooth operation, high efficiency, and low noise. These motors are suitable for applications requiring high precision, including precision measuring instruments and medical equipment.



Our latest products are certified ECO Products. Eco Products are designed to reduce the environmental impact of the product and its packaging materials. For CO<sub>2</sub> emission data, contact our sales representatives.

## STEPPING SYSTEMS



### SANMOTION Model No.PB (Closed Loop)

Closed-loop stepping systems offer the benefits of both servo and stepping motors. They're easier to use than servo systems, more reliable than stepping systems, and eliminate step-out and vibration when stopped. They also shorten stroke positioning time considerably.



### SANMOTION F5 (5-phase)

5-phase stepping systems realize high torque, low vibration, and low noise, and enable high-accuracy positioning. Also, the wide lineup can be used in a wide range of applications.



### SANMOTION F2 (2-phase)

With high torque, low vibration, low noise, and high resolution. Their rich lineup is used in a wide range of fields.



### SANMOTION F3 (3-phase)

Low introduction cost, with vibration characteristics similar to standard 5-phase motor driving. Combines high accuracy with high precision and cost performance.

## MOTION CONTROLLER



### SANMOTION C S100

Compact and powerful motion controller featuring high-speed EtherCAT fieldbus for machine builders. Everything from robot coordinate calculations using kinematic functions to simple PTP control can be easily constructed using CODESYS-based software.



### SANMOTION C S200

IoT-enabled motion controller with the capability of the S100 controller that was developed to address IoT implementation challenges. It comes with enhanced IoT functionality like web camera control, remote status monitoring, and remote maintenance functions.



### SANMOTION C S500

This motion controller can control 7-axis articulated robots. It can control the motion of a variety of robots, contributing to the in-house robot motion planning for your system.

SANYO DENKI AMERICA provides the total solution for motor and drive systems. Depending on the requirement, we assemble actuators, gearheads, connectors, cables, harnesses and some other peripheral parts to our product in our ISO9001 certified factory.

**SANYO DENKI AMERICA, INC.**



SANMOTION CATALOG

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