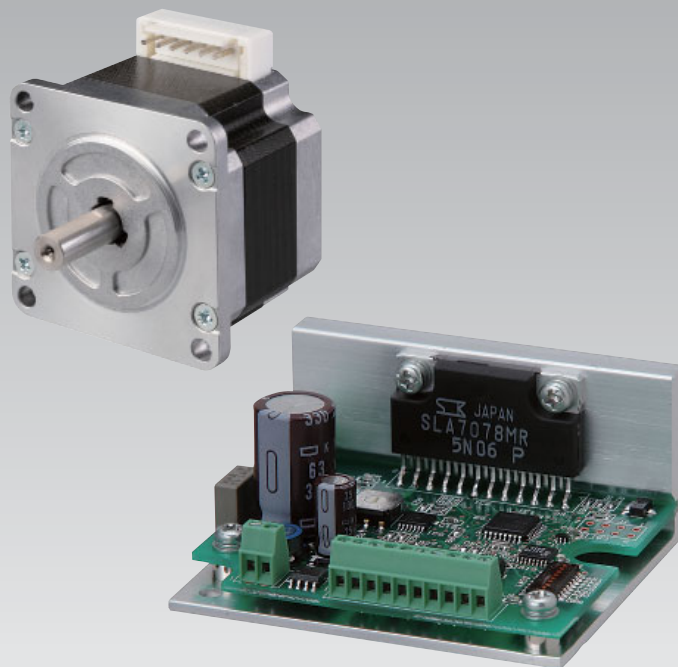


SANMOTION

STEPPING SYSTEMS

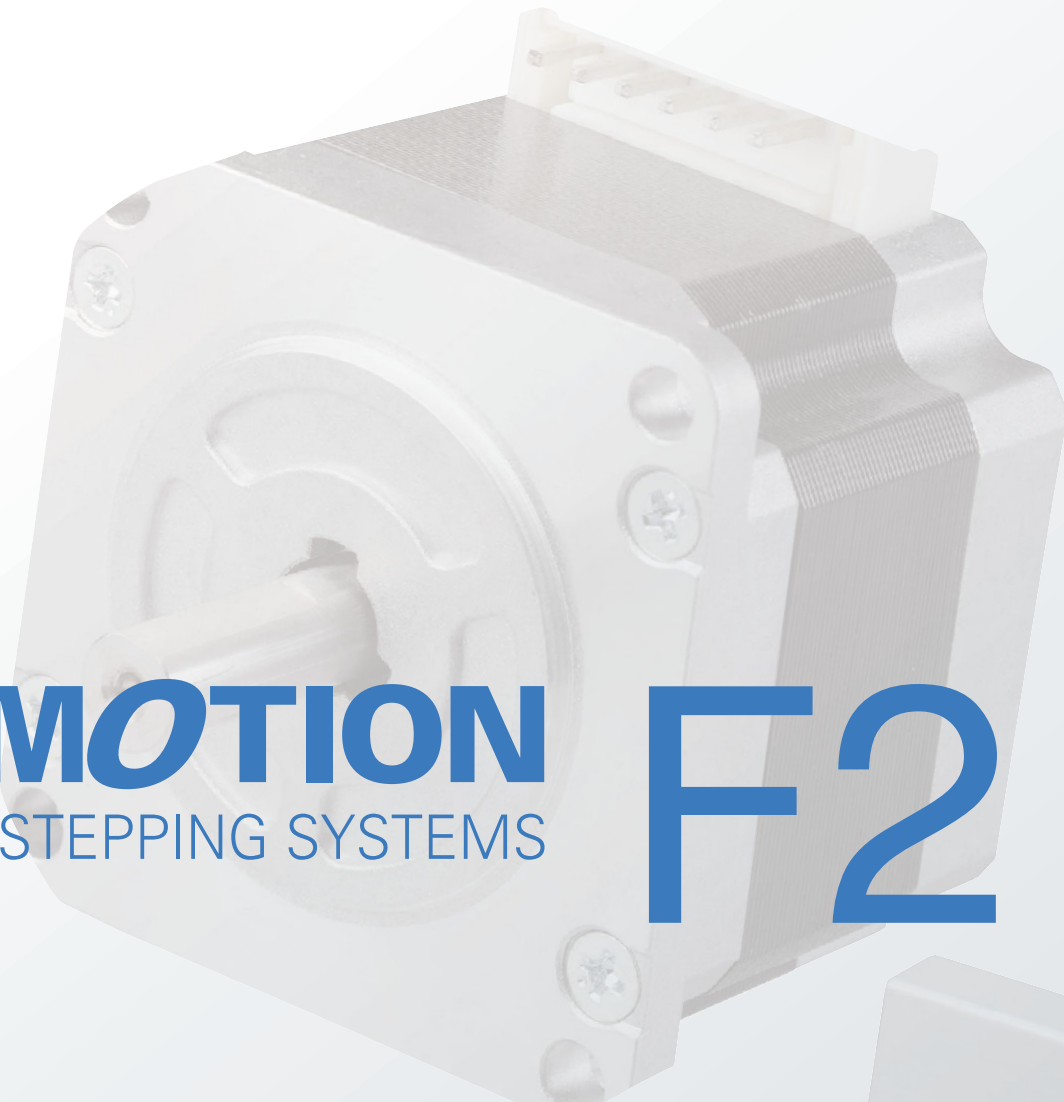
F2

2-Phase Stepping Systems



SANYO DENKI

Ver. **9.1**



SANMOTION

2-PHASE STEPPING SYSTEMS

F2



DC Input Set Orders

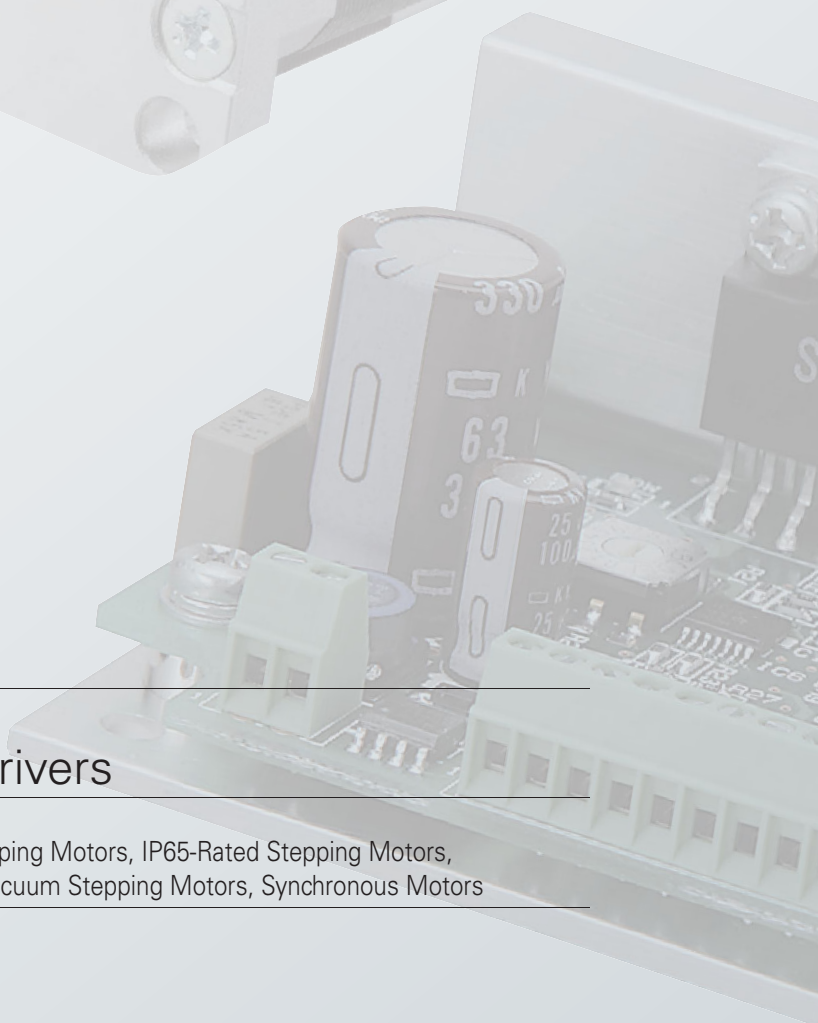


DC Input Stepping Drivers



Stepping Motors

Stepping Motors, IP65-Rated Stepping Motors,
In-Vacuum Stepping Motors, Synchronous Motors





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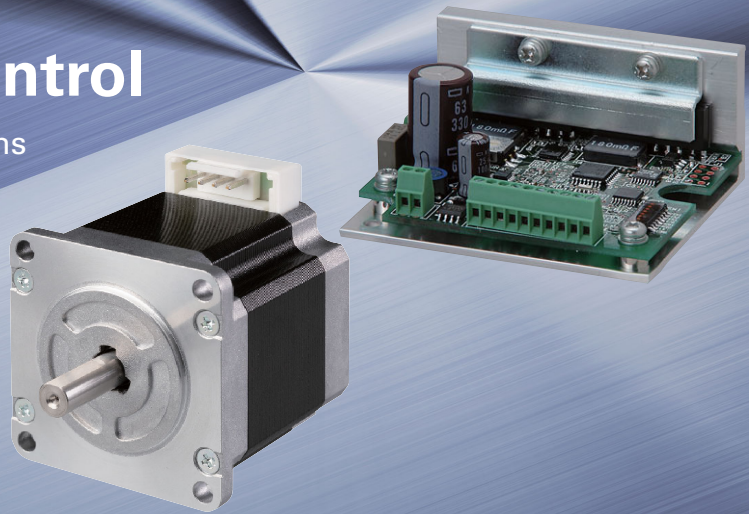
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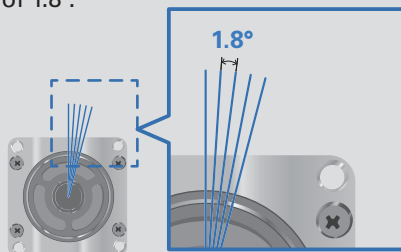
Easy positioning control

by simple encoder-less stepping systems



Stepping motors rotate precisely at a fixed angle (step angle) with each pulse the driver receives from a pulse generator.

SANMOTION F2 motors typically have a full step angle of 1.8°.



Full step angle
1.8°

**200
steps**

These use open-loop control without an encoder (position detection sensor), helping build simple and low-cost systems. Ease of use is a key point.

In addition, they use holding force when stopped, and feature stable stopping without micro vibrations.

Pulse generator



Driver



Motor



Application Examples

The SANMOTION F2 can be used in a wide variety of applications, including fixed-speed drive synchronized with command pulses, accurate positioning, and stable stopping.

ATM

Blood analyzer

Wafer cleaning equipment

Food packaging equipment

Embroidery machine

We hereby declare that the products listed in the catalog comply with the threshold values listed in Annex II, Directive (EU) 2015/863, which is an amendment to Directive 2011/65/EU of the European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances (RoHS) in electrical and electronic equipment. However, the applications listed in ANNEX III of RoHS Directive 2011/65/EU are exempted from the restriction.

Also, all models of SANMOTION F2 drivers conform to CE/EN, UKCA,* and UL as standard.

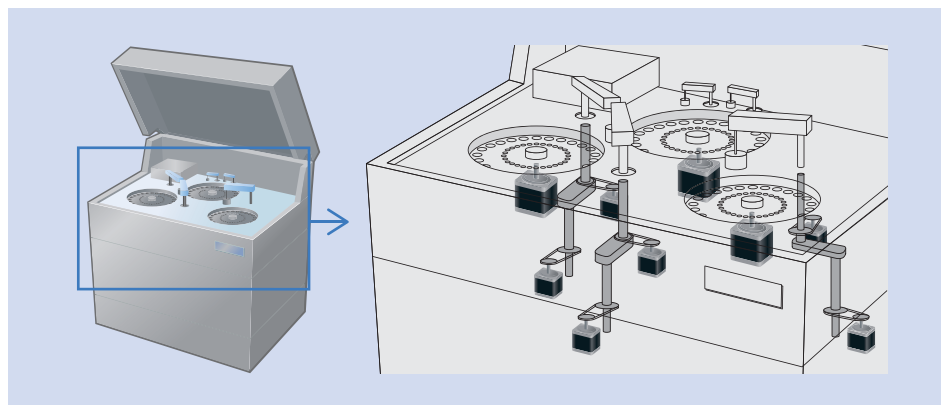
* Will be UKCA-compliant from July 2022 production onwards.



Application Examples

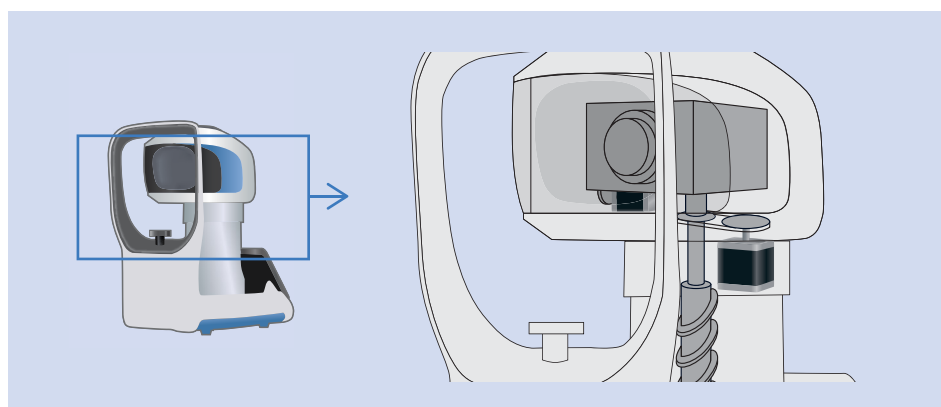
Blood analyzer

For rotating the specimen tray and rotary table



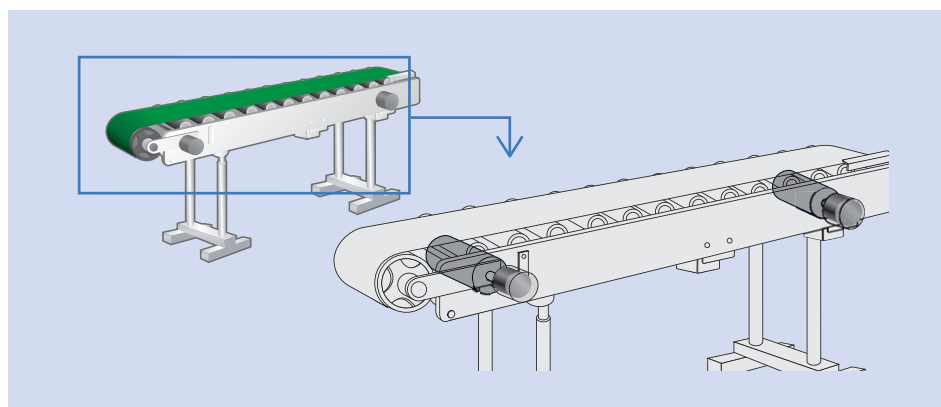
Ophthalmology inspection equipment

For moving the camera vertically and horizontally



Belt conveyor

For driving the belt and rollers



Filling machine

For filling liquids and pastes

