

cX-stepper S SERIES



Closed-Loop Stepper Motor Driver System

In combination with our battery-less absolute encoder, this provides a true closed-loop stepper motor system.

Features

- ◆ Can easily combine with Minebea absolute encoder equipped motors or electric grippers.
- ◆ Minimizes the impact of motor heat, enabling continuous operation under high loads and supporting high-frequency operation.
- ◆ Designed for easy maintenance with the ability to quickly address any abnormalities.
- ◆ The comprehensive GUI enables various control modes and program operation, catering to diverse customer demands.
- ◆ Automated gain control adjustment allowing for immediate closed-loop operation.

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Specifications

Item	Value (Gen 2)
Input Power Supply	Control power supply 24VDC
	Main power supply 24 / 48VDC
Control Modes	Speed & Position Control / Torque & Force Control
Input / Output	8 Digital inputs, 4 Digital outputs
Communication Interface	MODBUS (RS-485), EtherNet/IP, EtherCAT
Compatibility	Absolute encoder equipped NEMA 11, 17, 23 hybrid steppers and NEMA 8 and 10 hybrid steppers with gripper
Software Interface	Windows PC Application GUI
Size	77.5mm x100mm x 42.5mm
Options	Battery-less Encoder
Availability	2Q2027

Servo-like Functionality in a Stepper Motor System

