

ECOeasy

1-Axis Servo Controller

Motion Control - Servo and Stepper Motor



 Designed
 Engineered and
 Made in Germany

 EtherCAT
 Ethernet
 PROFINET



Maximum Flexibility: Customize firmware functions to fit your machine requirements. Perfect for OEMs who need tailored motion solutions without redesigning hardware.

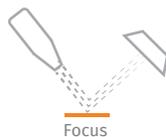
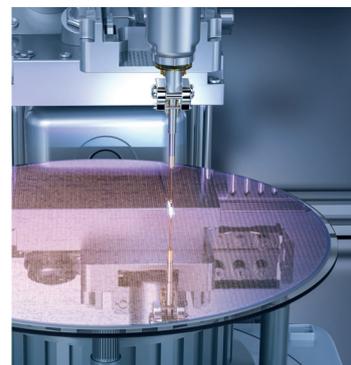
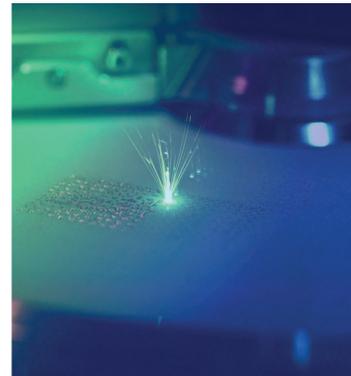
Fast Integration: Compatible with the ECOmotionSuite, allowing simple commissioning, parameterization and diagnostics.

Compact Design: Small dimensions (approx. 154 × 32.5 × 105 mm) enable installation even in tightly packed systems.

High Connectivity: Multiple fieldbus options and integrated I/O give you freedom in system design and communication architectures.

Reliable Performance: Continuous current of at least 10 Aeff and peak current of 15 Aeff ensure stable operation for demanding servo applications.

Safety Built In: Certified STO functionality (SIL-3 / PL e) supports modern machine safety concepts.



ECOeasy / OEM Servo

The ECOeasy is JAT's new single-axis servo amplifier, fully integrated into the ECOMotionSuite. It is designed for fast and simple customization, similar to the ECOviva platform, and supports the integration of application-specific technology functions directly within the firmware. Its compact housing allows effortless installation in a wide range of machines and system layouts.

The servo amplifier supports modern industrial Ethernet fieldbuses, including EtherCAT (EoE), Ethernet/IP, and Profinet. With performance of up to 15 Aeff peak current per axis, it delivers strong and reliable motion control for demanding applications. Functional safety is built in, providing STO with SIL-3 and PL e certification.

A flexible I/O concept completes the system, offering both digital and analog inputs and outputs to ensure seamless connectivity and adaptability to diverse automation environments.

Category	Specification
Fieldbus	EtherCAT® (EoE), Ethernet/IP, PROFINET®
Power Supply	20 - 60 VDC
Continuous Current	Min. 10 Aeff
Peak Current	Min. 15 Aeff
Feedback System	Incremental TTL, Absolute Biss C (External feedback via encoder splitter)
Digital I/O	8 × DI, 8 × DO
Analog I/O	1 × AI (0...10 V), 1 × AO (0...10 V, 12-bit)
Functional Safety	STO, SIL-3 (EN 61800-5-2), PL e (EN ISO 13849-1)
Parameterization	USB, EoE
Dimensions (H × W × D)	Approx. 154 × 32.5 × 105 mm



The corporate design can be fully adapted to your brand, both within the ECOMotionSuite and on the servo drive itself.