

5kW Pulse Servo Drive for Automation

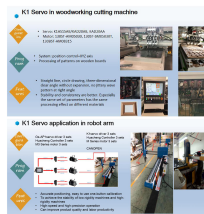
This 5kW servo drive is designed for precise motion control in automation applications. It features internal position mode for continuous multi-path planning and automatic load inertia determination for optimal gain.



ADDITIONAL IMAGES



Product Overview

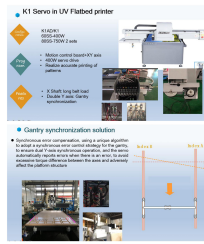


Proven performance in high-precision woodworking cutting machines and multi-axis robot arm automation.

High-Performance Pulse Servo Drive

This 5kW pulse servo drive is engineered for precision industrial automation, featuring advanced three-phase PWM converter technology. It offers intelligent motion control with support for up to 32 data sets and automatic load inertial property determination. Designed for stability, the unit includes mechanical resonance analysis and adjustable trap filters to ensure smooth operation in demanding environments.

Performance Specifications



Advanced gantry synchronization support for dual-axis systems, ideal for UV flatbed printing machinery.

Control Modes	Position Control, Speed Control, Torque Control, Inner Speed
Overload Capacity	3 x Rated Torque
Resonance Frequency Analysis	50-5000Hz

Electrical Ratings

Power Input	220V Single/Three-Phase, 380V Three-Phase
Voltage Tolerance	-15% to +10%
Rated Current (5kW Model)	25 A

Connectivity

I/O Isolation

- DC24V optocoupler isolated inputs
- 3-way optocoupler isolated outputs

Supported Protocols	CANopen, Modbus
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Environment

Operating Temperature	0 to 45 °C
Operating Humidity	20-85% RH (non-condensing)
Vibration Resistance	5.8 m/s ² (0.6G)