

3.8kW 380V Servo Drive for Automation

This 3.8kW servo drive is designed for industrial automation applications requiring precise motion control. Operating at 380V, it offers multiple communication interfaces for seamless integration with various control systems.



ADDITIONAL IMAGES



Product Overview

High-Performance Servo Control

This 3.8kW servo drive is engineered for precision industrial automation, supporting complex motion control via internal multi-path planning and high-speed pulse inputs. It features advanced resonance suppression and frictional torque compensation to ensure stable operation even in demanding mechanical environments. Designed for flexibility, the unit supports multiple control modes including position, speed, and torque regulation for versatile application in machinery like UV flatbed printers and robot arms.

Technical Specifications

Rated Power

3.8 kW

Rated Power

12 A

Rated Current

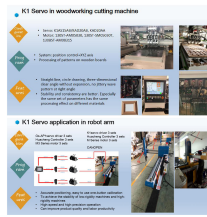
Power Input

Three-phase 380V AC (-15~+10%, 50~60Hz)

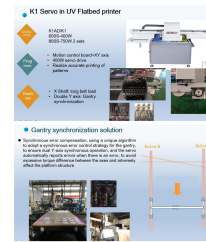
Control Modes

Position Control, Speed Control, Torque Control, Internal Speed

Advanced Features



Proven performance in robot arm and woodworking cutting applications.



Precision motion control for dual-axis gantry systems and UV flatbed printers.

Key Functionalities

- Mechanical resonance frequency analysis (50-5000Hz)
- Frictional torque compensation
- Automatic load inertia identification
- Supports up to 32 internal position data sets
- Gantry synchronization with error compensation

Communication Interfaces

CANopen, Modbus, Pulse Input, Differential Input

Operating Environment

Operating Conditions

Parameter	Specification
Working Temperature	0 to 45°C
Altitude	Below 1000m
Humidity	20-85% RH (non-condensing)
Vibration	5.8 m/s ² (0.6G) max