

## 3kW 380V AC Servo Drive

This 3kW, 380V AC servo drive features powerful internal position mode for continuous multi-path planning and automatic determination of load inertial mechanical properties. It also offers mechanical resonance frequency analysis and multi-bus support.



### ADDITIONAL IMAGES



### Product Overview

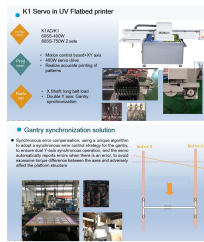
#### High-Performance 3kW Servo System

This 380V AC servo drive delivers precise motion control with a 3kW power rating, suitable for demanding industrial automation environments. It features intelligent load inertia determination and advanced mechanical resonance suppression to ensure stability and reduce commissioning time. Equipped with versatile communication interfaces and customizable control modes, this drive provides reliable performance for robotics, CNC machinery, and high-precision positioning applications.

### Technical Specifications

|                  |   |
|------------------|---|
| Input Power      | Three-phase 380V AC (-15~+10%, 50~60Hz) |
| Rated Current    | 8 A                                     |
| Encoder Feedback | ABZ incremental, Absolute               |
| Communication    | Modbus, CANopen                         |

## Control Capabilities



Example of Gantry synchronization and multi-axis control integration.

### Supported Control Modes

- Position Control
- Speed Control
- Torque Control
- Internal Speed
- Position/Speed Control
- Position/Torque Control
- Speed/Torque Control

### Overload Capacity

Max. 3 times torque

## Environmental Requirements

### Operating Temperature

0 °C

Min

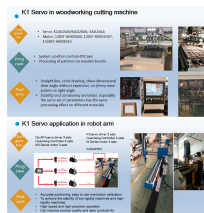
45 °C

Max

### Operating Humidity

20~85% RH (non-condensing)

## Performance Features



Precision motion control for high-speed robot arm and CNC applications.

### I/O Interface

#### Port Type

#### Specification

Digital Inputs

4 x DC24V Optocoupler isolated

Digital Outputs

3 x Optocoupler isolated

Analog Inputs

2 x Differential  $\pm 10V$ ; 1 x Single-ended 0-10V

### Resonance Suppression

Dual trap filters (50-5000Hz), adjustable damping (1-100Hz)