

1500W AC Servo Motor for Precision Motion Control

This 1500W AC servo motor is designed for precision motion control in industrial applications. It features intelligent functions such as internal position mode for multi-path planning and automatic load inertia determination.



ADDITIONAL IMAGES



Product Overview

High-Performance 1500W Servo System

This advanced 1500W AC servo drive provides precision motion control for industrial automation, robotics, and CNC machinery. It features intelligent load inertia determination and multi-path position planning to optimize commissioning time and motion accuracy. Designed for stability, the system incorporates adjustable mechanical resonance filters and frictional torque compensation to ensure smooth operation even at low speeds.

Technical Performance



Precision gantry control and dual Y-axis synchronization setup.

Rated Power	1500 W
Overload Capacity	Up to 3 times rated torque
Control Modes	Position, Speed, Torque, Multi-path Planning

Communication and Integration

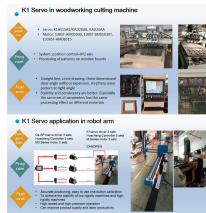
I/O Configuration

- 4 Digital Inputs (optocoupler isolated)
- 3 Digital Outputs (optocoupler isolated)
- 2 Analog Differential Inputs ($\pm 10V$)
- 1 Analog Single-ended Input (0-10V)

Supported Bus Protocols

CANopen, Modbus

Key Features



Versatile application examples including robot arms and automated wood processing.

Intelligent Features

- Automatic load inertia identification
- Mechanical resonance frequency analysis (50-5000Hz)
- Frictional torque compensation
- One-button calibration support

Operating Conditions

Operating Parameters

45 °C

Max Operating Temp

1000 m

Max Altitude

85 %RH

Max Humidity