

3kW Pulse Servo Drive

This 3kW pulse servo drive is designed for precise motion control applications. It features mechanical resonance frequency analysis and multi-bus support.



ADDITIONAL IMAGES



Product Overview

High-Performance 3kW Pulse Servo Drive

This advanced pulse servo drive is engineered for precision motion control, featuring intelligent internal position modes that support multi-path planning for up to 32 data sets. It offers high operational stability through mechanical resonance frequency analysis and dual trap filter configurations to mitigate vibrations. Designed for versatility and ease of use, it supports multi-bus communication including CANopen and provides intuitive debugging software for streamlined commissioning.

Technical Specifications

Input Power

- 220V Single/Three-Phase AC
- 380V Three-Phase AC

Rated Power

3 kW

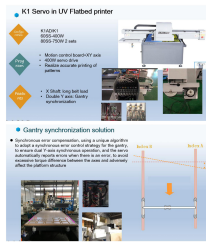
Control Modes

Position, Speed, Torque, Internal Speed, Position/Speed, Position/Torque, Speed/Torque

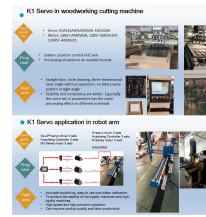
Communication

Modbus, CANopen

Performance Features



Demonstration of Gantry synchronization and precise motion control in printing applications.



Versatile system implementation examples for CNC woodworking and multi-axis robot arms.

Key Performance Indicators

3 x

Torque Overload Capacity

500 kHz

Differential Pulse Input

5 Hz

Vibration Frequency

Advanced Functionality

- Mechanical resonance frequency analysis
- Frictional torque compensation
- Automatic load inertia determination
- Gantry synchronization algorithm
- One-button calibration

Environmental Requirements

Environmental Specs

Parameter	Value
Operating Temp	0-45°C
Storage Temp	-20-65°C
Humidity	20-85% RH (Non-condensing)
Max Altitude	1000m