

Title	Introduction to Delta AC Servo Drives ASDA Series
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Applicable to	AC Servo Drives ASDA Series
Key words	ASDA-A2 、ASDA-B2 、ASDA-A2-E 、ASDA-M

【Introduction】

Delta's AC servo drives offer excellent motion control function, supports high speed industrial communication protocols for a vast range of machines or systems to perform general and multi-axis motion control applications. ASDA Series provide users with high speed, high precision performance and satisfy the requirements of the industrial automation fields.

【Advanced Servo Drive for High-end Motion Systems ASDA-A2 Series】

To fulfill demanding requirements of motion control applications in industrial automation and accomplish complex motions that requires high precision and smooth operation, Delta's ASDA-A2s Series features excellent built-in motion control functions with up to 1kHz frequency response and standard 20-bit superior resolution encoder for accurate positioning control. A2 Series also support industrial communication protocols such as CANopen, DMCNET and EtherCAT, which enables more efficient and effective high speed communications.

Delta's A2 powerful motion control functions include built-in Electronic Cam (E-Cam) which enhance system performance and is applicable for rotary cutoff and flying shear applications. In addition, the Capture and Compare functions for high speed pulses provides detection in precise positioning. Through versatile Position Mode (PR mode), A2 Series provides internal parameter editing function to control the path of each axis.



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Applications for ASDA-A2

Feeding Machines	Food Packaging Machines
Filling and bottling equipment	TFT LCD Cutting Machines
Printing Machines	IC Packaging Machines

【EtherCAT Interface Servo Drive ASDA-A2-E Series】

ASDA-A2-E Series, an advanced AC servo drive with an EtherCAT communication interface include features of ASDA-A2 Series, complies with IEC 61158 and IEC 61800-7 for faster and high precision performance. It is applied in a wide range of applications including metal working machines, woodworking machines, food processing and printing machines. A2-E covers a wide range of rated power to drive motors, featuring integrated Safe Torque Off (STO) safety function, supports absolute type and incremental type ECMA Series servo motors to achieve the ideal multi-axis synchronization applications in machinery automation fields.



Applications for ASDA-A2-E

Metal Working Machines	Woodworking Machines
Food Processing	Printing Machines

【Standard Servo Drive for a Vast Range of Machines and Systems ASDA-B2 Series】

The cost effective ASDA-B2 Series feature built-in position, speed, torque control modes and three auto notch filters to suppress mechanical resonance and achieve smooth operation and precise positioning. Its power rating ranges from 0.1kW up to 3kW and is equipped with ASDA-Soft tuning software for customers to lower maintenance cost as well as quickly meet the performance requirements of general machine control applications in the industrial automation market.

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Applications for ASDA-B2

Cutting Machines	Bar Feeders
Transporting and Conveying Equipment	Electric Discharge Machines

【3 Axis Synchronous Servo System for Multi-Axis Motion Control Applications ASDA-M Series】

Delta ASDA-M Series provides 3-axis synchronous motion control with 3-axis servo drives in one frame for real-time data exchange without time delay. With ASDA-A2 Series features including advanced gantry control, auto notch filters, vibration suppression, full-closed loop control, ASDA-M Series offer high resolution, high integration for precise multi-axis motion control applications.



Applications for ASDA-M

Gluing Machines	Adhesive dispensing
Gantry Control System	Winding Machines
Multi-axis Cartesian Robot Arms	High-end Machines requiring 3-axis synchronous control

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