

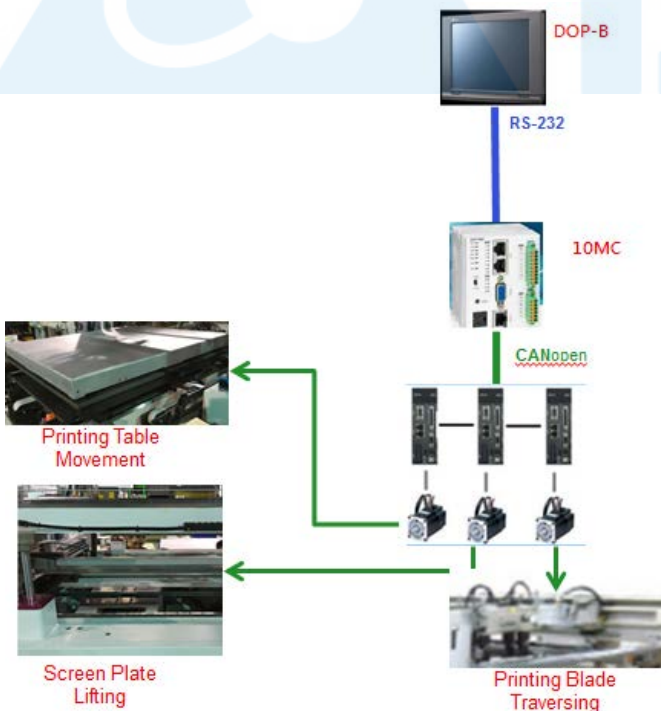
Case	Delta Industrial Automation Products for High Precision Screen Printers				
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Applicable to	Delta Human Machine Interface (HMI), AC Servo Drive ASDA-A2 Series, Servo Motor ECMA Series, CANopen Motion Controller DVP-MC Series				
Key words	High Precision Screen Printer, DVP-MC Series, ASDA-A2 Series, ECMA Series				

[Introduction]

Delta presents a control system for high precision screen printers that features the motion controller DVP-MC Series, HMI DOP-B Series, AC Servo Drive ASDA-A2 Series, and the AC servo motors ECMA Series via industrial network application. High precision screen printers are used for printing circuit designs, writing or photoresist on products such as printed circuit boards (PCB), thin film circuit boards, and photoresist layer on ITO-coated glass. Delta's DVP-MC Series controls the positioning and movement of printing, while the DOP-B Series executes different product commands. To achieve high precision in multi-axes motion control, this advanced system provides effortless wiring and adopts high speed CANopen network to connect motion controllers and servo drives.

[System Structure]

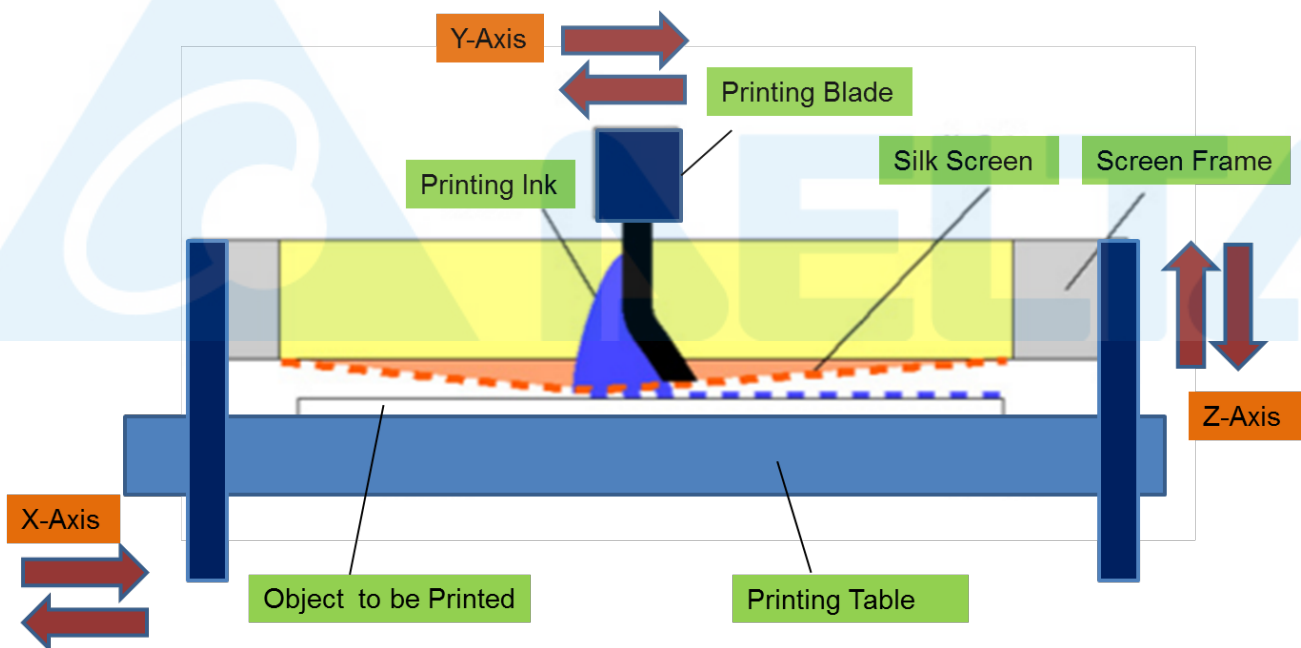
Delta's DVP-MC Series adopts CANopen communication to control three units of ASDA-A2 servo systems. The high speed and high precision servo systems control the movement of printing tables, screen plates and printing blades. To ensure the correct printing process, Delta's high speed CANopen with built-in I/O retrieves feedback from sensors to achieve excellent monitoring performance.



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[Delta's Total Solution for High Precision Screen Printers]

- Three units of Delta's ASDA-A2 servo systems assist high precision screen printers in three ways. First, one servo motor and drive placed on the X-Axis moves the objects into the printing area. Second, another servo motor and drive controls the height of the printing screen frames. A third servo motor and drive commands the printing blade to move and finish the printing process with great stability.
- Delta's DVP-MC Series achieves excellent motion control via a high speed CANopen network to connect the three servo system units.
- The X-Axis represents a platform for objects to move from one side to the other. While the printing blade moves back and forth along the Y-Axis, and four metal cylinders lift the screen frame up and down along the Z-Axis.
- Delta's ASDA-A2 Series features high speed and high precision for screen printers to print in a smooth and steady motion.



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[Benefits of Delta's Total Solution]

- High Performance: Delta's high speed ASDA-A2 Series achieves stability in positioning and motion, while the DVP-MC Series improves system capacity via controlling 3 axes of AC servo motors and drives
- Simple System Setup: The function blocks in Delta's DVP-MC Series allow users to easily command and execute motion control as well as provide quick access to adjust parameters.
- Effortless Wiring: Compared with the complicated pulse method application used in programmable logic controllers (PLCs), Delta's total solution applies high speed CANopen to save more time on wiring and maintenance.

For more information on Delta's industrial automation products, please visit our website at:

<http://www.deltaww.com/Products/CategoryListT1.aspx?CID=06&hl=en-US>



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