

## World Class Control for Single Axis Applications

*Yaskawa introduces Sigma-7Siec, servo amplifier and single-axis controller in one*

**Waukegan, IL.** The Drives & Motion Division of Yaskawa America, Inc. announces the release of Sigma-7Siec, a unit that combines a servo amplifier with a one-axis motion controller in a single compact package. The new product was created for automation applications which require the control of only one servo motor, yet also call for exceptionally quick, precise and reliable servo system performance.

The new Sigma-7Siec builds on the legacy of the MP2600iec, an existing Yaskawa product which offers an amplifier/controller combination. The new unit accomplishes both tasks while using the smaller footprint of an individual amplifier, conserving space in tight control cabinets.

Sigma-7Siec also takes a significant step forward in servo system performance, thanks to its status as part of Yaskawa's new Sigma-7 family of servo motors and amplifiers. Bandwidth of 3.1 kHz sets a new standard for servo response, and Yaskawa's advanced set of servo tuning algorithms assure world class vibration suppression, autotuning and tuning-less commissioning without the need for installer intervention. Sigma-7Siec also delivers the advantages common to all Sigma-7 SERVOPACK amplifiers, including:

- Open communication: EtherNet/IP and Modbus/TCP for connectivity to nearly every HMI and PLC on the market.
- IEC 61131-3 programming, assuring that programs are developed and executed with predictable behavior.
- Programmable outputs to reduce panel cost and space requirements when only a few outputs are necessary.
- Remote I/O: many third-party remote I/O modules (including Phoenix, Wago, and Opto 22) can be interfaced with the system via MECHATROLINK and Ethernet.
- Web server: a built in web server offers standard controller diagnostic information eliminating the need for special monitoring/maintenance software

These innovations combine to offer machine builders and automation end users the benefit of reduced settling times, reliably precise control and faster setup of a new automation system.

### About Yaskawa

Yaskawa America's Drives & Motion Division manufactures industrial automation equipment, including variable speed drives, servo systems and motion controllers, low-voltage industrial controls and spindle drives and motors. The company's Motoman Robotics Division makes industrial robots that can weld, assemble, cut and handle goods for manufacturers.

Yaskawa products are used in a wide variety of industries, including packaging, automotive, building automation, pharmaceutical, machine tool, material handling, metal forming, solar, plastics, rubber,



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and textiles. Yaskawa America, Inc. employs more than 1,000 people in its headquarters in Waukegan, IL, its manufacturing facilities in Buffalo Grove, IL and Oak Creek, WI, and in offices across the United States. For more information about Sigma-7 and other Yaskawa products visit our website at [www.yaskawa.com](http://www.yaskawa.com).