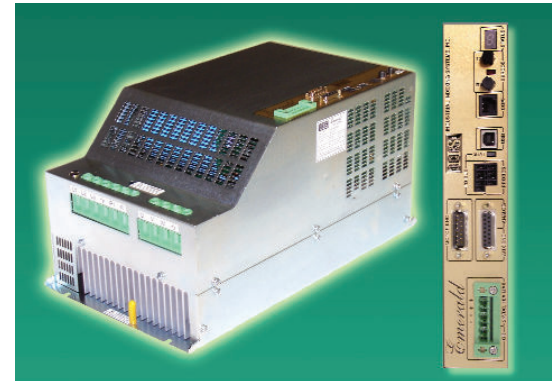


NEW Emerald Series 440 Volt Drive/Controller

Continuing to expand the Emerald Series Motion Control product line, Industrial Indexing Systems has added two new servodrive products to the family. Both new servodrives feature a direct 440 VAC input and are functionally equivalent to the existing reliable line of 220 VAC drives.

The ESD-50/CEP model can deliver 50 amps continuous with a DC bus voltage of 620 Volts. The ESD-25/CEP model in the lineup will deliver 25 amps continuous. Maximum current output is 100 amps and 50 amps respectively. Best of all, these ratings are valid to an ambient operating temperature of 55°C, where most drive manufacturers rate their products at 40°C.

The advance compact drive design allows efficient packaging for new systems or as a retrofit drive to upgrade an existing system. Emerald Series drives are used as standalone indexing or positioning controllers, used in master/slave motion applications, or as part of a multi-axis system on a SERCOS network. Synchronize up to 16 servomotors and I/O using the IIS Emerald Series SERCOS master controller.



ESD-50/CEP - 235mm x 410mm x 210mm

Features	Benefits
❖ Rated voltage and current at temperatures up to 55°C (131°F)	❖ Use it in tough industrial environments without de-rating specifications
❖ Allowable operating voltage 440 VAC ±20% L-L, at 50 and 25 amps continuous	❖ Reduced system costs by eliminating an input voltage step-down transformer
❖ Standalone controller mode or SERCOS network configurable drive	❖ Allows one drive to be used in a variety of applications, reducing spare part inventory
❖ Compact enclosure design with convenient cable terminations	❖ Will fit into tight spots, which is ideal for retrofit applications or new designs
❖ Full range of cost-effective matched servomotors are available	❖ Convenient motor/drive packages; select from 2KW to 20KW, up to 3450 RPM
❖ Master encoder interface input standard with all drives; resolver option is available	❖ Easy to synchronize servomotor motion and PLS outputs to machine operations
❖ Selectable PWM current loop switching frequency, 4 KHz or 8 KHz	❖ Allows the Emerald Series servodrives to be placed into many industry applications
❖ Two hi-speed digital and two analog inputs are standard. Optional I/O includes 32 points per drive, DC or AC modules	❖ Flexible, responsive, and versatile I/O interfacing to meet a variety of industrial system requirements
❖ Flexible I/O functionality includes interrupt subroutines, programmable limit switches (PLS), and other machine logic	❖ In most cases, this eliminates the need for an additional PLC controller, reducing the overall cost of your system
❖ Windows development software with simple basic-like motion language	❖ Universal language and standard easy-to-use software development environment
❖ Manufactured by an automation company with 30 years of industrial experience	❖ Emerald Series Systems are backed with the 100% performance guarantee