



Parker Releases Aries Controller

Digital servo drive and controller in one high-performance product.

Combining the versatile and cost-effective Aries digital servo drive platform with the advanced control capabilities of the ACR servo controller, Parker's new Aries Controller offers users a single-axis servo drive/controller with Ethernet communication and human-machine interface connectivity.

The Aries Controller is configured, tuned and programmed using Parker's comprehensive ACRView software environment. The ACRView environment also supports Parker's traditional analog multi-axis controls and drives and the ETHERNET Powerlink motionbus system. "This versatility now enables machine designers and end-users to take advantage of the high-performance



ACR servo control for both single- and multi-axis projects without switching between or relearning different control languages and software environments," says Marc Feyh, product manager for Parker's Electromechanical Automation Division. Benefits of the common control language and software include reduced time to market and lower overall motion system costs.

The Aries Controller is a full-featured, programmable drive/controller utilizing the AcroBASIC command language. Motion capabilities include absolute and relative motion, jogging, gearing and camming. A secondary encoder input is included for 1½ axis and dual-loop applications, and EnDat absolute encoders are also supported in addition to standard quadrature and Parker Smart Encoders. Drive connectivity includes an Ethernet port for communications, setup, programming and diagnostics and HMI connectivity.

Additional programming capabilities include:

- Multi-tasking of up to 16 simultaneous programs
- Position, velocity and torque control
- Incremental or absolute motion
- Trapezoidal or segmented move profiles
- On-the-fly motion parameter changes
- Linear and S-curve accelerations
- On-board programmable limit switches
- High-speed (1us) position capture registers
- Registration moves

- Indexing moves
- Electronic gearing with real-time phase advance
- Electronic camming
- Local and global variables
- Floating-point math operations
- Teach and playback

Application development is further enhanced with the use of Parker's recently released ACR MotionCOMponents Tool Kit. The ACR MotionCOMponents Tool Kit is an extensive collection of components and controls to allow a software developer to quickly and easily build a custom user interface for PC-based motion control applications. The tools incorporate a full set of ACR function calls, enabling complete control of the Aries Controller from a PC program.

More information on the new Aries Controller can be found at parkermotion.com/products under "Servo Drive/Controller," or call us at 800-358-9070.

www.parkermotion.com