

www.parker.com/em/acr



The ACR Series of controllers are among the highest-performing controllers on the market. Powerful, yet efficient, project development software makes this family an attractive choice regardless of application complexity.

Connectivity and communication features give the ACR controllers flexibility for use in a wide variety of machine architectures. The ACR family excels as a standalone machine and motion controller, interfacing with a PC or working alongside a PLC. A powerful DSP makes the ACR Series an outstanding multi-tasking servo controller.

Parker System Solutions

The ACR family is the controller of choice when a complete Parker motion system is needed. Seamless communication to drives and HMI combine with motion algorithms tailored to precision mechanics for a complete high-performance system.

Hardware Features

- Up to 16 axes of servo or stepper control
- ±10 V analog or step-and-direction command output
- 24 VDC optically isolated onboard inputs and outputs
- Absolute encoder support via SSI

Motion Control Features

- Multi-tasking of up to 24 simultaneous programs
- Interpolation of eight axes in any combination
- Linear interpolation of up to eight axes
- Segmented electronic CAM
- Electronic gearing with real-time phase advance
- Programmable limit switch with multiple sources
- Advanced gantry control
- 3-D arcs and tangent axis control
- Hardware and capture registers
- Time-based moves
- S-curve profiling
- Backlash and ballscrew compensation
- High-speed (1 μs) hardware position capture registers

Communication Features

- Ethernet 10/100 Base-T
- USB 2.0
- CANopen
- ETHERNET Powerlink
- EtherNet/IP™ connectivity
- Visual Basic and Visual C++® libraries
- .NET and ActiveX™ communication controls
- Parker Interact and InteractX compatible via Ethernet

Series	Bus Type	Number of Axes	Command Output
9000	Ethernet, USB	1 to 8	Servo, Stepper
9030	Ethernet, USB	1 to 16	Servo, Stepper, ETHERNET Powerlink
9040	Ethernet, USB	1 to 16	ETHERNET Powerlink
1505	PCI	1 to 4	Servo, Stepper
8020	PCI	1 to 16	Servo, Stepper

