MAC Controller Series

ModuSystems

KEY FEATURES:

- Mix & Match Servo & Stepper Axes
- 2-16 Axes Coordinated Control
- Multi-Tasking (Up to 64 Concurrent Threads)
- (18) 24V General Purpose Inputs
- (8) 24V, 1A Sourcing Outputs
- Dedicated E-Stop Input
- Dual Encoder Frequencies up to 8 MHz
- Optional Integrated Stepper Amplifiers
- Option Slot for Additional Axes or I/O
- Powerful yet Simple Software

MAC CONTROLLERS

Stand Alone Operation

Robot Kinematics

Mix & Match Axis Types

Wide Input Power Range (7-40V)

800 Mhz CPU Processor

64 Mb RAM

480 Mb SSD

Windows CE 6.0

Auto Configure for Replacement

Customization Available

FLEXIBLE HARDWARE

Removable Connectors

Configurable Digital/Analog I/O

Multiple Encoder Types

High Speed Capture

Integrated Amplifier Options

Din-Rail Ready

POWERFUL SOFTWARE

Inspired by MIT's "Scratch"

Simple Drag, Drop, & Edit

Create & Save Custom Blocks

Parameter Test & I/O Viewer

Integrated HMI Console Builder

Customizable Test Scopes

The MAC Fixed Axis Count Multi-Axis Motion and Machine Controllers are ModuSystems' highest performance products. Whether the application is simple point-to-point motion, complex linear or circular interpolation, or even customizable Robot Kinematics; the MAC controllers are up to the task.
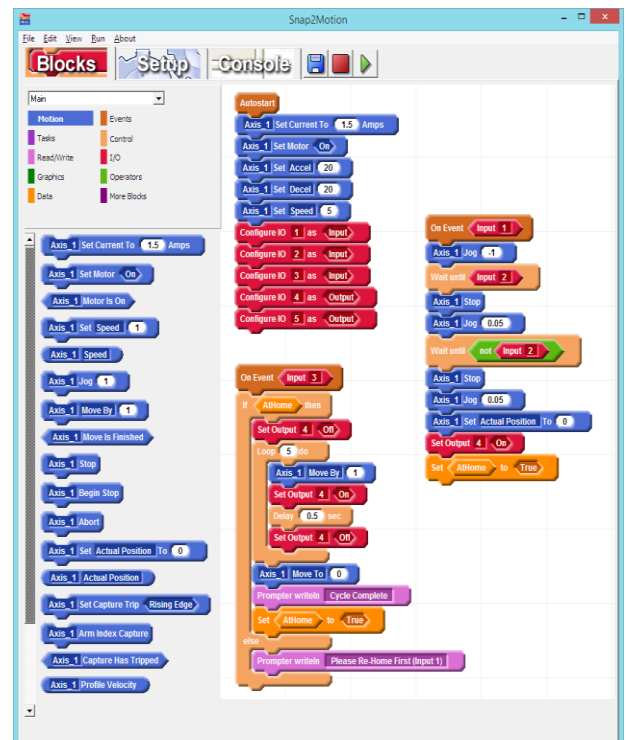
MAC Controllers are suited to High Axis Count and Coordination Applications. Utilizing the latest control architecture and proprietary Real Time Operating System (RTOS), ModuSystems is able to achieve update rates that allow even the most complex coordinated motion to be handled with ease.

Simple to Learn and Implement Software is inspired by MIT Media Lab's "Scratch", used throughout the world to introduce people to programming.

Software features include: Creating your own Scopes for Run-Time diagnostics, viewing the real time status of I/O bits, naming of axes, and creating custom subroutines.

Learn More at: www.ModuSystems.com

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