



## MoPro

### Motion Controllers

#### STANDARD FEATURES

- Stand-alone models (*MoPro 3*) and PC Bus models (*MoPro 2, 4*)
- Up to 6 axis of linear interpolation
- Up to 6 axis of simultaneous coordinated path movement
- Independent & simultaneous control of up to 6 axis
- Servo and/or stepper control
- PID filtering with feed forward compensation for optimum servo performance
- 1000 lines of stored program EEPROM memory
- DSP controller performance
  
- User scalable units
- Stand-alone models can be daisy chained

#### GENERAL DESCRIPTION

The Servo Controls and Systems Division of CMC offers a complete line of controllers designed to operate in a personal computer or as a stand-alone device operating independently. You will find most of your motion control needs will be satisfied with our MoPro Controllers. Whether you need to control a servo, stepper or a combination of both technologies from a single controller, CMC has the controller to fulfill your needs.

#### PROGRAMMABLE CAPABILITIES

- Exclusive Motion Science *Control Software* for:
  - Teaching
  - System diagnostics
  - Edit/Debug utility
- Tuning Diagnostics
- User programmable software variables

<b>Specifications:</b>			
	<b>MoPro2</b>	<b>MoPro3</b>	<b>MoPro4</b>
Communication	ISA Buss	RS-232 or RS-422	ISA Buss
Motor command resolution	12 bit	12 bit	12 bit
Maximum encoder frequency	1mHz	1mHz	1mHz
Servo update rate	500 $\mu$ sec	500 $\mu$ sec	500 $\mu$ sec

Maximum step rate output	1,000,000 steps/sec	1,000,000 steps/sec	1,000,000 steps/sec
Maximum move distance	10 <sup>9</sup>	10 <sup>9</sup>	10 <sup>9</sup>
User I/O	20 TTL	16 Opto-isolated	28 TTL
I/O Expansion		48 or 96 TTL	
Analog I/O option		8 ch, 12 bit	8 ch, 12 bit
Power	+5 V, 1.4 A (2Axis)	User Selectable	+5 V, 1.8 A (6Axis)
		110 to 240 VAC	
		50/60 Hz	

Cleveland Motion Controls  
 Servo Controls & Systems Division  
 2600 Liberty Avenue  
 Pittsburgh, PA 15222  
 Tel: (412) 261-8600  
 Fax: 412/ 261-8609



Copyright © CMC 1998 All Rights Reserved

Close