

# MARINER™ Shape Cutting Control

## Description and Features

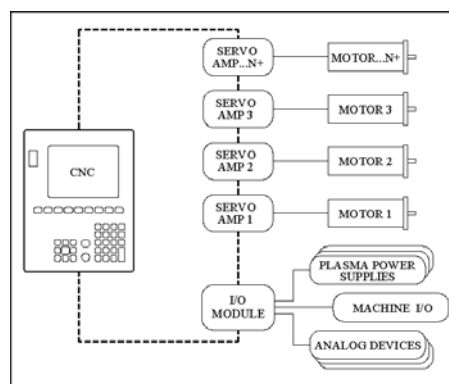


The MARINER™ CNC Shape Cutting Control from Hypertherm® Automation is specifically designed for the unique demands of the metal cutting industry. This powerful PC based controller sets the standard for ease of use, application flexibility and design technology.

MARINER™ offers motion control operation of up to twelve axes of motion through use of an expandable SERCOS™ fiber optic ring. Add on modules for standard I/O and analog communications are supported through the SERCOS™ ring for increased flexibility.

The acronym “SERCOS” refers to **SE**rial **R**eal time **CO**munication **S**ystem servo drive interface. This approach to communication with the drive amplifiers is performed through use of a fiber optic ring and would replace the traditional +/- 10VDC analog output motion control card with a fiber optic driver card.

SERCOS™ Interface



## System Features\*

Operating System	Microsoft Windows XP® - Embedded Version
Processor	Intel® Pentium 4 3.0Ghz or greater
Memory	512 Megabytes RAM or greater
Display	15" TFT Touch Screen
Hard Drive	60.0 Gigabyte Hard Drive
Communication	Networking
Drives	1.44 Megabyte Floppy Drive & DVD - ROM
Station Selects	Integrated 12 Station operator console standard w/ Joystick and 2 Speedpots
Keyboard	Standard 101 key – USB interface
Supportable Axes	up to 12 Axes
Distributed I/O	Singled ended & Analog I/O supported via external SERCOS™ I/O Module
Dimensions	26.3"W x 32.4"H x 23.0"D, Depth 31.0" w/ cooler option
Weight	110lbs., 130lbs. w/ cooler option
Operating Environment	0 to 50C; 95% relative humidity (non-condensing) On-board Voltage and Temperature Sensing Chiller/ cooler option
Power	Universal Input

\*Information subject to change without notice.

SERCOS™ Interface is a Trademark of SERCOS North America