

LongWin Micro-Controller Series

ARM Based PMSM Motor Control

High Performance, Maximum Reliability, Competitive Cost

PMSM Servo System



PMSM Servo System is based on 32-Bit ARM Cortex-M3 MPUs with a few stand-alone micro-controller modules.

The friendly graphic user interface makes the system more productive.

It can be used in Sewing Machine, Interlock Machine, Serger, etc. with different option program.

Features

- *Multi-MPU Based on 32-Bit ARM Cortex-M3*
- *Fully Digital Sensor and Control*
- *Friendly Graphic User Interface*
- *For Sewing Machine, Interlock Machine, Serger, etc.*
- *High Efficiency due to the Newest Algorithms*
- *Over-Current Protection*
- *Automatic Motor Initial Angle Detect*

Specification

CPU	<i>32-Bit ARM Cortex-M3 3 Microcontroller Co-Operation</i>	Motor	<i>500W PMSM Motor Max. Speed 5000 rpm</i>
Memory	<i>On-Board Flash Memory for Parameters and System Settings</i>	Power	<i>220V @ 50Hz 110V/120V @ 60Hz (Option)</i>
Display	<i>320 x 240 Color LCD Touch Screen</i>	Environmental	<i>0°C - +65°C Working Temperature</i>
Speed	<i>Software Speed Control with Customized Linear and Curve Setting</i>	Mechanical	<i>Control Box: 8 Inch x 6 Inch x 2.3 Inch Display Panel: 6 Inch x 3.5 Inch x 0.8 Inch</i>
Solenoid	<i>5 Stand-Alone 32V Solenoid Control with Software Adjustable Duty Cycle</i>		
Safety Switch	<i>Working for Both Mechanical Switch and Hall Sensor Switch.</i>		

For More Information, please call (800) 970-6805 or eMail to : sales@LWComputer.com

Ordering	LW-MCSA-SEW1-220	<i>PMSM Servo System for 220V @ 50Hz</i>
	LW-MCSA-SEW1-110	<i>PMSM Servo System for 110/120V @ 60Hz</i>