

Accessories Infomation

Name	Description	Necessary
Motor Extension Cable	(CABLEM-RZ*M*) Optional Length: 1.5m,3m,5m,8m, 10m,12m,15m	Yes
Encoder Extension Cable	(CABLEM-BM*M*) Optional Length: 1.5m, 3m, 5m,8m, 10m,12m,15m	Yes
Tuning Cable	CABLE-PC-1 Cable	No
Network Cable	Optional Length: 0.1m, 0.2m, 0.3m, 0.4m, 1m, 1.5m, 2m, 3m,5m,7m, 10m,15m, 20m	Yes

Typical Application



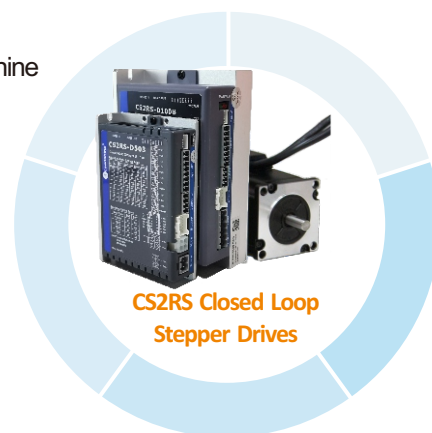
Automatic Lamination Machine



Solar Production Line



Logistics Machine



CS2RS Closed Loop Stepper Drives



Automatic Production Line



Stage Entertainment Equipment



Inspection Conveyor

Leadshine Technology Co., Ltd.

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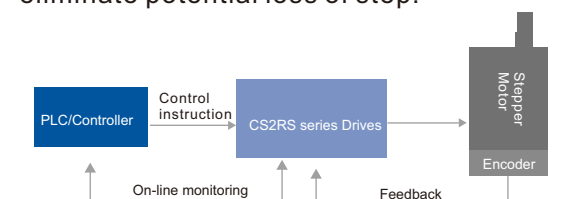
CS2RS Closed Loop Stepper Drives



- Standard Isolated RS485 Modbus
- No loss of step & smooth motion
- Built-in Uni-axial Control Instruction
- HMI, PLC or External I/O start motion

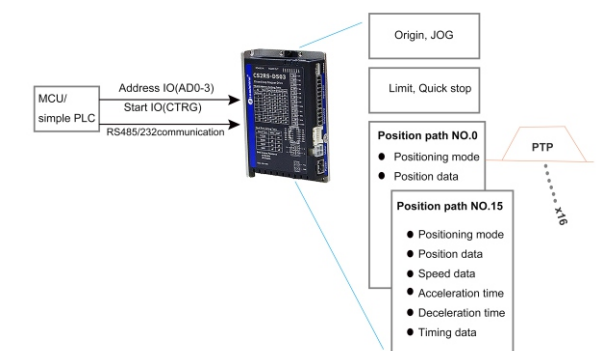
1. No Loss of step

Adopted closed loop step system to make real-time position error correction ,can eliminate potential loss of step.



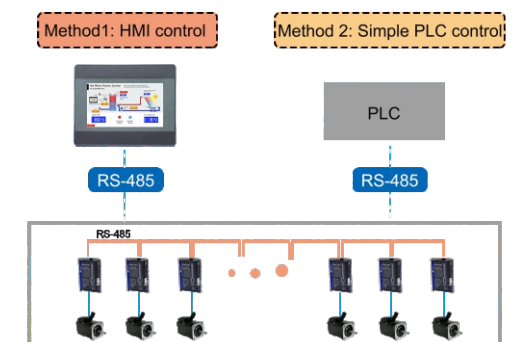
2.Built-in uni-axial control instruction

Programmable 16-segment position table, support positioning/homing/ limit/ quick stop/ JOG...



3.Support RS485 communication

Standard Modbus RTU protocol, RS485 communication can network up to 31 axes



Features

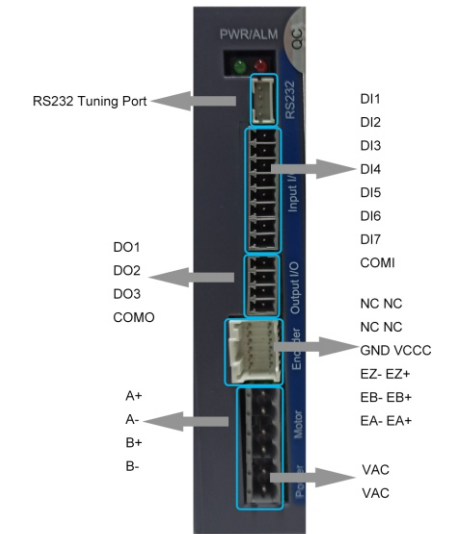
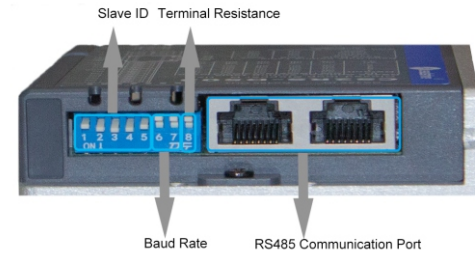
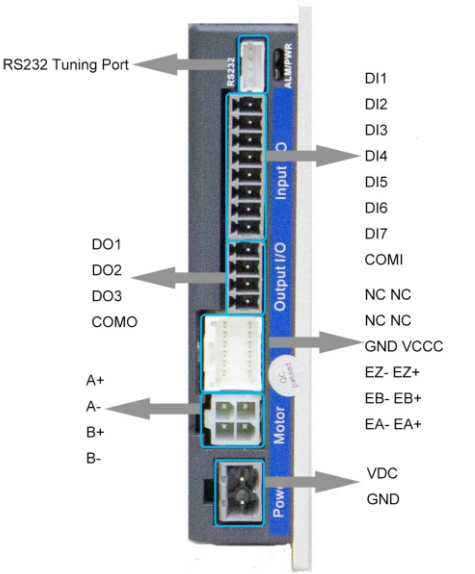
- 7 Programmable Inputs
 - Limit + / - or Origin inputs
 - Quick stop, Alarm reset and Enable inputs
 - JOG + / - or Position Table inputs
- 3 Programmable Outputs
 - Alarm, Brake or In position outputs
 - Homing / Instruction / Path complete
- Modes of Operation
 - Velocity
 - Position
 - Homing
- Support Functions
 - Teaching
 - Interrupt
 - Skip, Suspend, Circulate motion
- PC Software for Easy Setup, Fine Tune
- Matching Motors:
 - NEMA8, 11,17, 23, 24, 34
 - Encoder resolution: from 1000ppr to 5000ppr
 - Standard, dual shaft, brake, waterproof

Benefits

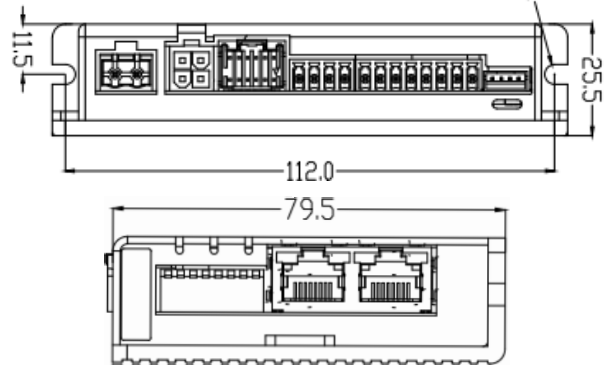
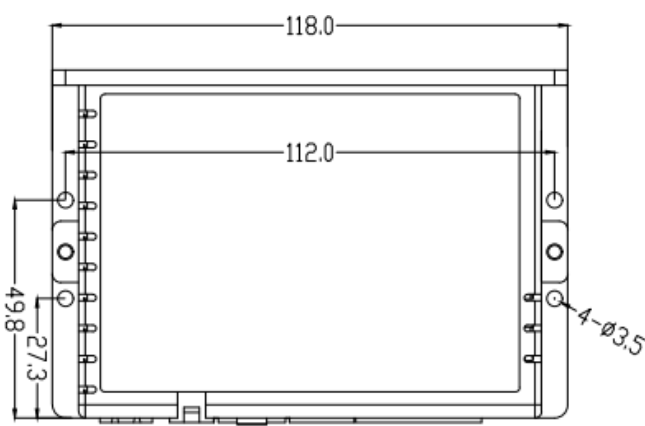
- Significantly reduce system costs
 - Built-in control instruction-- save PLC/controller
 - RS485 communication-- save Pulse Modules
- Simple network, easy to use
 - Lower labor cost
 - Effectively reduced development time
- Higher added value
 - On-line monitoring of status to enhance reliability
 - Bring more expansion possibilities to add value

CS2RS Series Specifications						
Parameters	CS2RS-D503		CS2RS-D507		CS2RS-D1008	
	Min	Max	Min	Max	Min	Max
Output Current (A)	0.5	3	0.5	7	0.5	8
Power Voltage (VDC)	24	50	24	50	30	100
Max Input Frequency (Khz)	-	10	-	10	-	10
Input Signal Current (mA)	12	24	12	24	12	24
Output Signal Current (mA)	-	100	-	100	-	100
Matching Motors	NEMA8, 11, 17		NEMA23, 24		NEMA24, 34	

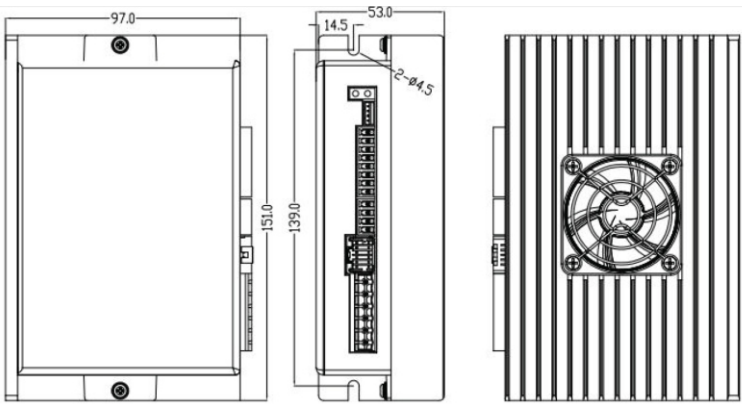
Connector



Mechanical Specifications (mm)



CS2RS-D503/507



CS2RS-D1008

Matching Closed-loop Stepper Motor

Motor Size		Motor Model			Phase Current (A)	Holding Torque (N.m)	Length(mm)		
		Standard Model	With Brake	Waterproof			Standard	Brake	Waterproof
NEMA17		CS-M21702	-	-	1.5	0.2	56	-	-
		CS-M21704	-	-	1.5	0.4	63	-	-
		CS-M21706	-	-	2.5	0.6	70	-	-
		CS-M21708	-	-	2.5	0.8	83	-	-
NEMA23		CS-M22306	-	-	3	0.6	60	-	-
		CS-M22313	CS-M22313B	CS-M22313WP	4	1.3	75	109	94
		CS-M22323	CS-M22323B	CS-M22323WP	5	2.3	95	131	115
		CS-M22326	-	-	5	2.6	103	-	-
		CS-M22321-L	-	-	5	2.1	86	-	-
		CS-M22331-L	-	-	5	3.1	105	-	-
NEMA24		CS-M22422	CS-M22422B	CS-M22422WP	5	2.2	89	129	113
		CS-M22430	CS-M22430B	CS-M22430WP	5	3.0	107	143	130
NEMA34		CS-M23435	-	-	4	3.5	95	-	-
		CS-M23445	CS-M23445B	CS-M23445WP	6	4.5	109	134	115
		CS-M23480	-	CS-M23480WP	6	8.0	127	-	133
		CS-M23485	CS-M23485B	CS-M23485WP	6	8.5	147	172	153
		CS-M234120	CS-M234120B	CS-M234120WP	6	12	158	183	164

Note: Contact Leadshine for more closed-loop stepper motors such as NEMA 8, NEMA11 motors, motors with 2500 / 5000ppr encoder. Motor Shaft of 6.35mm or 12.7mm.

Closed-loop Stepper Motor Part Number

