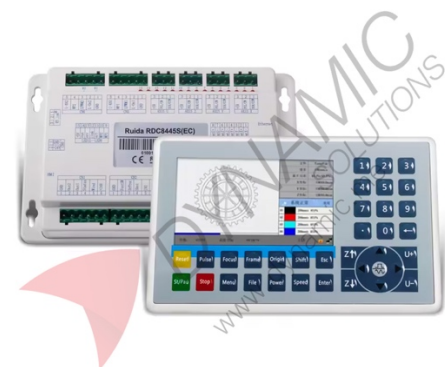


RUIDA Laser Control System RDC8445S(EC)

Features:

The RDC8445S EC system is an advanced generation laser engraving and cutting control system developed by Ruida Technology. It provides improved device stability, enhanced high voltage resistance and strong static electricity protection. Equipped with a 5 inch color display and upgraded human machine interface, it offers intuitive operation and expanded functionality. The controller supports up to 4 motor axes with maximum 400kHz output frequency, 128M onboard memory, USB and network communication, optically isolated inputs and outputs, and compatibility with relay control. It supports dual head asynchronous processing, mutual electrical shift control, large format vision cutting, projection cutting and mobile app connectivity, making it suitable for professional CO2 laser processing applications.

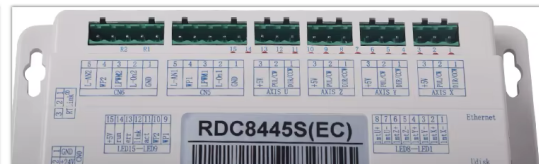
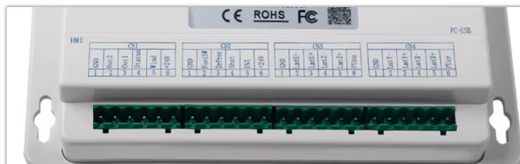
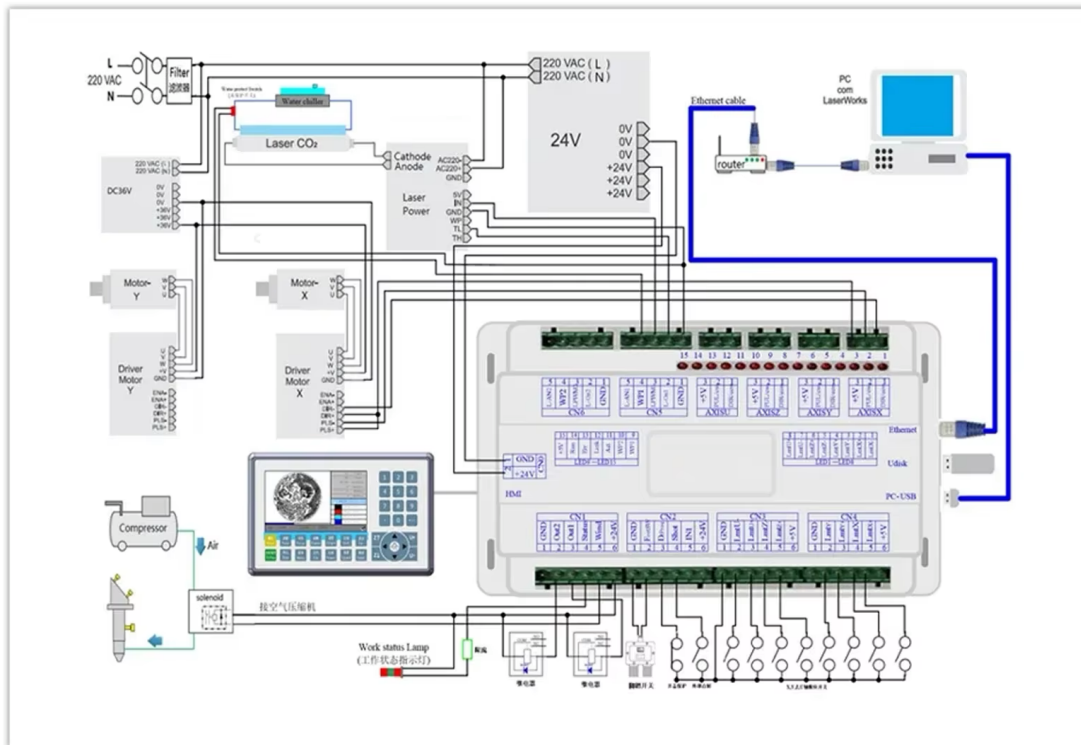


Specifications	
Model	RDC8445S(EC)
Display	5 inch Color Screen
Motor Interfaces	4 Axis
Maximum Output Frequency	400 kHz
Motor Drive Current	20 mA Common Anode
Onboard Memory	128M Non Editable
USB Transmission Distance	Up to 5 m
Network Transmission Distance	Up to 200 m
Interpolation Accuracy	+/- 0.5 Pulse
OC Outputs	4 Optically Isolated Outputs 300 mA
Digital Inputs	4 Optically Isolated Inputs 5V 12V 24V Compatible
Relay Drive	Supports 5V and 24V Relay
Extended Communication	RS232 Compatible
Processing Support	Dual Head Asynchronous, Vision Cutting, Projection Cutting
Mobile App Support	Yes
Application	CO2 Laser Engraving and Cutting
Usage	Laser machine motion and process control

Product Dimensions:



Wiring:



Product Pictures:

