

High Performance CNC Flame/Plasma Cutting controller

3 axis Plasma Cutting controller HC4500

Perfect flame/plasma technology, cut sewing and backlash compensation function

Feature:

- ARM9 high-speed Microprocessor and super large programmable FPGA
- Real time multitask control technology and hardware interpolation technology
- 7 Inch real color display screen, Friendly and easily operation interface,
- Supporting multi language display;
- All Photovoltaic isolation control, super large anti-interface ability;
- Large storage space process file: 256M, demand complicated/large program running and processing
- Plasma /flame controller can control 3 step/servo motor at the same time, which adopt doubt axis at one time or develop 3 axis according customer requests;
- Graphic library: 63 graphs, which can cutting hole or slice as choose;
- Graphic Dealing function, which are supporting edit Radom rotation, correction and mirror image function etc;
- Delay, preheating, perforating, changing nozzle, moving parts, moving parts etc process control;
- Break point recovery function
- USB, RS232 serial communication control, directly read file buy U disk
- Customized software: strong>it can apply for Plasma, Punch and engraving function within one machine, simple laser cutting etc.

Parameter:

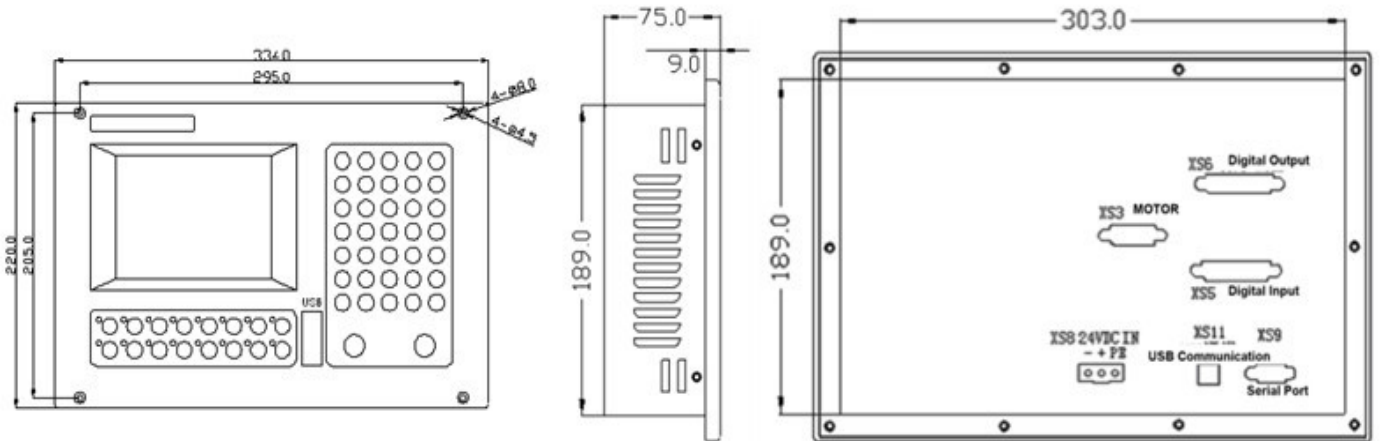
| | |
|---------------------|----------------|
| Power Request | DC 24V 50/60Hz |
| Power Dissipation | <10W |
| Work Temperature | 0°C-60°C |
| Storage Temperature | -20°C-80°C |
| Work Humidity | 20%-95% |
| Storage Humidity | 0%-95% |

Digital Input:

- Channel: 32, All Photovoltaic isolation
- Input Voltage: 12-24V DC
- High Level >4.5V
- Low Level <1.0V
- Isolation Voltage: 2500V DC
- Counting Input:
- Channel: Spindle ABZphase coding input, All Photovoltaic isolation
- Maximum counting frequency: 2MHz
- Input Voltage: 5-24V DC
- High Level>4.5V

- Low Level<1.0V
 - Isolation voltage: 2500V DC
- Pulse output:
- Channel: 3 Axis Pulse, 3 axis direction, All photovoltaic isolation
 - Maximum pulse frequency: 2MHz
 - Output type: 5V differential output
 - Output mode: Pulse + direction or pulse + pulse
- Digital Output:
- Output Channel: 16, All photovoltaic isolation
 - Output type: NPN open-collector output 12-24V DC, Max current 100mA.
 - RS-232 Baud rate (bps):
 - 1200,2400,4800,9600,19200,38400,57600,115200

ADTECH ADT-HC4500 CNC Flame/Plasma Cutting controller of Size:



Applications:

- CNC plasma/Flame cutting machine
- Laser cutting machine
- Plasma, punch, engraving all in one machine.

