



XF-3 Economical portable CNC flame plasma cutting machine is a dual-use high-efficiency, energy saving cutting equipment for various thickness of carbon steel, stainless steel and non-ferrous metal precision cutting of sheet materials. With automatic ignition and electrical devices increase, the overall mobile, used as "small car", can be placed directly under the plate material on, use a very convenient and flexible.

Product Features

1. walking part of the use of seamless gear, rack drive, motor drive using the German Benguela hundred drive technology;
2. vertical guide the use of Taiwan's imported linear guide, high precision and smooth operation;
3. backplane using stainless steel plate, rust-proof wearable, beautiful clean;
4. beams using a special aluminum alloy industry profile, light weight, non-deformation;
5. the entire Chinese language interface control system, operation is simple and convenient, U disk directly import CAD cutting graphics without programming;
6. in the CAD environment simple and efficient compiler can be expected to achieve easy sets, automatic sorting, cutting Slotted compensation function, time-saving while effectively cutting the mouth and supplies savings.

Product main technical performance indicators

1. Cutting the shape of: programmable cutting a straight line and arc composed of arbitrary planar shapes steel parts;
2. Cutting accuracy: National Institute of Standards JB/T10045.3-99;
3. The installation method: combination of installation, can easily move, do not account for fixed sites;
4. Cutting width: horizontal span of 1600mm, the effective cutting width of 1050mm ;
5. Track length: track length of 2500mm, the effective cutting length of 2200mm;
6. Cutting torch configurations: one set of cutting torch system can be assembled according to customer demand for flame, plasma dual-use;
7. Cutting thickness :5-120mm, more than this thickness to be subject to custom;
8. Ignition raised: automatic ignition, electric increase;
9. Numerical control systems: the embedded control system for CNC cutting XF2007, easy to use, stable and reliable;
10. NC Programming: AutoCAD-based automated graphical Programming software:
11. File Transfer: with USB interface;
12. Cutting gas: oxygen + acetylene or propane;
13. Speed range :0 --- 3500mm / min (mm / min).



The Company developed embedded control system for CNC cutting XF2007, with reliability and high precision, economical and practical, user-friendly features, with the current popular CAD / CAM software has a very good compatibility, widely available in the whole country, many

of flame / plasma cutting machine manufacturers.

Hardware configuration:

- ★ Applicable to any type of CNC cutting machine;
- ★ 5.7-inch color liquid crystal display industry;
- ★ Dust keys IOPP film;
- ★ USB2.0 interface, support U disk read and write standard USB 128M brand;
- ★ Control axis: 2-axis linear and arc interpolation;
- ★ Motor control: stepper motor or servo motor
- ★ Optional manual box, remote control;
- ★ Optional PLC control module;
- ★ Programmable output: 7 Road (all optocoupler isolated);
- ★ Programmable Input: 16 (all optocoupler isolated);
- ★ Have power protection, strong anti-interference performance;
- ★ Work environment: 0 to 50 °C .

Software features:

- ★ The entire Chinese menu, intuitive simplicity, without instructions, a short period of time can master the methods of operation;
- ★ According to the demand for storage any number of processing documents;
- ★ Electronic Gear modulator, can adapt to a variety of mechanical equipment;

- ★ Without programming: CAD / CAM graphics code cutting automatically converted, U disk to import;
 - ★ G code programming at the same time support;
 - ★ Automatic ignition, delay, preheating, perforation, flame radius compensation, continuous regression, breakpoint recovery;
 - ★ Intelligent knee treatment, support processing pause, forward, backward, speed and arbitrary settings, such as take-off and landing speed;
 - ★ Real-time exercise and cutting status display;
- With manual and fault diagnosis functions, helping users to quickly solve the problem.