550mm Any Angle CNC Double Head Cutting Saw Machine

Equipment Advantages:

Aluminum profile any angle cutting saw is easy to operate, reliable performance, advanced technology, and easy to maintain.

The 3 axis CNC double-head any angle cutting saw is mainly used for processing and cutting of aluminum profiles, cutting of arbitrary angles with new energy vehicles such as bending arc anti-collision beams and various irregular cutting positions requiring arbitrary angles. Saw blade using carbide tooth saw blade, cutting speed is fast, high efficiency, high processing accuracy.

3 axis CNC double-head high-end cutting saw can also be used for wood processing, its two heads can work separately or simultaneously, cutting out the required length and kerf angle at one time.

Working conditions and applicable environment

Working conditions: The aluminum profile three-axis CNC cutting saw (arbitrary angle saw) uses three-phase four-wire power supply, and the working air pressure is 0.5-0.8Mpa.

Using environment: Aluminum three-axis CNC cutting saw (arbitrary angle saw) should be installed in a dry, non-corrosive gas environment, the temperature is 10-40 ℃ hard and flat indoor concrete floor.

Select the configuration
Features and main components
1、Features
The three-axis CNC cutting saw for aluminum profiles (any angle saw) is equipped with two saw heads on the bed. The left saw head is fixed, fixed to the bed with screws, and the right saw head of the three-axis CNC cutting saw can be set by the control panel to move on the guide rail and can be set at the desired position. The length of the work cut is done by the three-axis CNC system

The front of the equipment is equipped with an operating table, which can be moved left and right according to the need, and the electrical control components are installed on the operating table. After the workpiece is put on the table, as long as the operator presses the button according to the operation procedure, the machine can complete the workpiece positioning, pressing, cutting, tool return, release and other processes.

The design of the three-axis CNC cutting saw (arbitrary angle saw) for aluminum profiles fully takes into account the safety of the staff. The moving part of the saw head is all covered in the openable and strong safety cover.

2、Main components
Aluminum three-axis CNC cutting saw (arbitrary angle saw) is mainly composed of the left saw head, right saw head, bed, pallet frame, work table and other major parts.

2.1、Left saw head
The left saw head is a fixed saw head. The right saw head moves left and right with the dragging plate on the guide rail. There is a linear motion sub between the drag plate and the guide rail. The left and right movement of the saw head is light and flexible, which ensures the smoothness of the movement. The feeding of the saw blade is done by the cylinder. The three-axis CNC double-head high-end cutting saw pneumatic control system has the function of stepless speed regulation, according to the processing needs, it can adjust its feeding and returning speed, so that it has the function of slow feeding and fast returning.

2.2、Bed
The bed of three-axis CNC cutting saw for aluminum profile (any angle saw) is made of low carbon steel vantage shape steel pipe welded and treated by aging after welding, which ensures the rigidity and stability of the bed.

2.3、Table
The fixed table and the left saw head are mounted together, and the movable table can move horizontally left and right with the dragging plate on the guide rail.

Technical Parameter
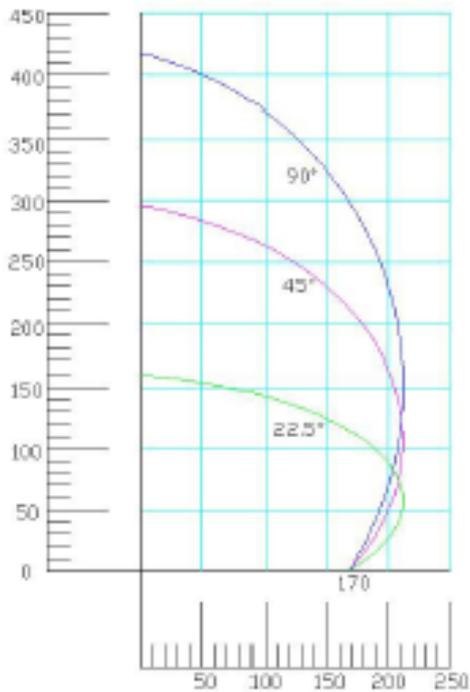
Input power 380V/50Hz three-phase four-wire or Customized
Saw head motor power 2×3KW
Rotation speed 2800 r/min
Working air pressure 0.5-0.8MPa
Air consumption 100L/min
Sawing length MAX 4200mm
Sawing width MAX 150 mm
Sawing height MAX 270 mm
Sawing angle -22.5°～ 0～+22.5° (arbitrary angle rotary cutting)
External dimensions 5800×1980×1750mm
Saw blade specification Φ550×4.4×Φ30 Z=120