

MJS1620B CNC Jigsaw



1. Technical parameters:

MJS1620B CNC Jigsaw Technical Parameters (Specification)		
Maximum sawing size	Max. working size	2000mm×1250mm×150mm
Max processing speed	Max. working speed	0-25M/min
Maximum return speed	Max feeding back speed	25M/min
Saw wheel diameter	Saw wheel diameter	800mm (aluminum wheel) (aluminum saw wheel)
Saw wheel width	Saw wheel width	40mm
Minimum sawing radius	Min. working radius	60mm
Table feed method	Working table working way	High precision linear guide
Pressing method	Pressure way	Roller press (can press multilayer)
Saw blade tensioning method	Saw blade tensioning	Air pressure tensioning 0.4Mpa Air press tensioning(0.4Mpa)
Saw blade width	Saw blade width	12mm ~ 15mm
Saw blade length	Saw blade length	5400mm
Saw blade turning angle	Angle of turn	-75 ~ +75
Saw wheel speed (frequency conversion speed regulation)	Saw wheel rotation	450 ~ 700rpm
Sawing motor (variable speed)	Saw motor(frequencyinverter)	7.5kw
X axis (servo)	X axis (Servo)	3.0kw
Y axis (servo)	Y axis (Servo)	1.5kw
Z axis (servo)	Z axis (Servo)	0.4kw×2
X-axis drive mode	X axis working way	High precision gear rack
Y-axis drive mode	Y axis working way	High precision linear guide
Control System	control system	CNC(Independent research and development) CNC(Independent research and development)
Cabinet size (length × width × height)	Cabinet size (L×W×H)	1100mm×650mm×1710mm(236KG)
Head size (L×W×H)	Head size (L×W×H)	1510mm×800mm×2450mm(1194KG)
Body size (length × width × height)	Dimensions (L×W×H)	4500mm×2100mm×1600mm(2000KG)
gross weight	Total weight	3430kg

2. Function: It is professionally used for piecing and bending materials, and is mostly used for dining table chairs/bed backs/chair armrests, etc.

3. Performance advantages:

1. Efficient

(1) Computer drawing and typesetting: Solid high-tech CNC system (CNC system) DELL display screen (display screen), reusable graphics, no need to scribe a single piece by hand, far exceeding the traditional scribing efficiency in mass production, and more clamping at one time. Laminates are continuously sawed.

(2) X-axis precision rack: The worktable advances and retreats smoothly, and the forward speed can be between 20-40 meters with high efficiency and accuracy, with low requirements for dust prevention and reduced maintenance.

(3) X-axis drive: Servo motor cooperates with high-precision rack to feed smoothly, quickly, efficiently and accurately.

(4) Sturdy frame body: The frame is welded with square thick tubes, the whole machine has good rigidity, is heat treated to prevent deformation, the guide rail slides are smooth, the body and the saw head are fixedly connected without vibration, and the sawing is fast and accurate.

2. High precision:

(1) Guide rail slider: The X/Y axis adopts the 30# guide rail slider of the international first-line brand Rexroth of Germany. The slider gap is less than 5C, and the moving material is smooth and efficient, and the sawing is efficient and accurate.

(Other brands are domestically produced by Taiwan ABBA, Guangdong Jiangmen)

(2) Y-axis precision ball screw: $\phi 32$ Taiwanese brand ABBA precision screw is used, and the positioning of the advancing and retreating tool is accurate at a speed of 40 m/min, with small reserved machining allowance and small sawing path.

(3) Y-axis Delta servo motor: high-precision and high-torque, positioning accuracy up to 0.01mm.

3. Standardization: Computer-drawn CAD drawing typesetting standard, saw blade quickly lay out the jig sawing standard according to the computer typesetting track. The rotating part of the saw blade swing device swings out the angle flexibly and quickly, and the fixed connection between the saw head and the body does not vibrate and is not easy to break the saw blade.

4. Labor saving: computer standard CAD drawing, no need for traditional manual scribing: pneumatic pressing device: using pneumatic pressing plate, the jigsaw can be straightened after bending, and the multi-layer board can be opened at one time, which is safe, efficient and low-cost. It is the third brand of its brand. to four times the efficiency.

5. Material saving: The computer typesetting standard has a small reserved machining allowance, the curve is accurate, the saw blade is small, and each large board has a few more finished products than manual marking.

6. Safety: The pneumatic clamp clamps the multi-layer board at one time, without the need for manual close contact with the saw blade to ensure production safety and reduce the risk of work-related injuries.

4. Automatic tensioning, high configuration saw wheel, broken saw blade monitoring, frequency conversion speed regulation:

1. Aluminum wheel: Saw cutting curve with a narrow saw blade swing angle. The lighter aluminum wheel has less inertia when running, and it is not easy to break the saw blade.

2. Heavy-duty bearing device: NSK heavy-duty release bearing 32013 is used inside the saw wheel. The large contact surface of the inclined ball ensures that the saw blade can withstand greater tension when tensioned, so that the deformation of the two saw wheels is small when the two saw wheels are tensioned, and the outer circle of the saw wheel is reduced. Wear, not easy Broken bar.

3. Saw wheel tensioning guide: Adopt international brand German Rexroth 35# guide rail slider guide, the slider gap is small when the saw wheel is tensioned, the saw wheel does not swing, the saw blade has good stability and is not easy to break.

4. Fully automatic tensioning system: Using the fully automatic tensioning function, one person can quickly complete the replacement of the saw blade. The system has an automatic pressure maintaining function, which automatically boosts the pressure and maintains the pressure when the saw blade heats up during sawing. The saw blade is stable and not easy to break or break. run saw.

5. Broken saw blade monitoring device: When the saw blade is broken, the cylinder pushes the saw wheel upward, the solenoid valve automatically detects the movement of the cylinder piston, and the information is transmitted to the computer system to control the automatic shutdown to prevent the saw blade from flying out and ensure production safety.

Five, high-quality electrical configuration:

1. International first-line brand electrical appliances: Delta PLC/Siemens contactor/Schneider contactor for thermal relay, with low failure rate, and the internal safety voltage of the machine adopts European standard safety voltage of 110V.
2. Delta frequency converter (7.5kw): The frequency conversion speed regulation adjusts the linear speed of the saw wheel according to the hardness of the wood, which is suitable for sawing wood of different hardness, stable and accurate, and the saw blade is more durable.
3. Oil filling machine: The oil supply system of the slider of the whole machine maintains the fluidity of the slider of the guide rail.

6. Main accessories brands:

Transformer Jiuchuan Electric

Button switch (button switch) Siemens II

Shutdown switch Schneider

AC contactor Schneider

Saw Wheel Bearing (Bearing) NSK

Ball screw TBI/ABBA

CNC system Gootech

display screen DELL

Servosystem Delta

Inverter Drive Saw Wheel Delta

Rail slider Germany Rexroth