

MJ3871TX150X2 Horizontal Band Saw



1. Technical parameters:

MJ3871TX150X2 Double Belt Continuous Pressure Horizontal Band Saw Technical Parameters (Specification)		
Maximum sawing size	Max. working size	150×60mm
Distance from saw blade to table	Distance from saw blade to worktable	4 ~ 60mm
Belt width	Width of conveyer belt	150 × 2mm
Saw wheel diameter	Diameter of saw wheel	711mm
Feed rate	Feed speed	0 ~ 18m/min
Saw wheel lift motor	Saw wheel elevation motor	0.18kw
Saw Wheel Motor	Saw wheel motor	18.5kw
hydraulic pressure	Hydraulic pressure	55kg/cm ²
Vacuum pipe diameter	Dust outlet diameter	102mm×2
Saw blade size (length × width × thickness)	Size of saw blade (L×W×H)	4572×41×1.27mm (1.3" saw wheel)
saw road	Saw kerf	1.5 ~ 2.2mm
Dimensions (length × width × thickness)	Overall dimensions(L×W×H)	3000× 1950×1850mm
net weight	Net weight	1800kg

2. Function:

Professionally used for rubber wood short material cutting, the shortest 150mm wood, sawing into thin boards before assembling and splicing, with high sawing efficiency, small sawing path, good board surface smoothness and finish, accurate work tolerance, labor-saving/material-saving/safety Features.

3. Performance advantages

1. High efficiency: two pieces of short material are cut at a time, and materials of different heights are sawed at the same time.
2. Low consumption:
 - (1) Provincial artificial site: double production efficiency.
 - (2) Save the saw blade: the cost of the saw blade with double the output of the same saw blade is reduced by 1/2.
 - (3) Material saving: accurate sawing and material saving.
3. Intelligence: The intelligent positioning of the worm gear reducer is more accurate and reduces the plate opening error.
4. Digital display to determine the thickness: the number keyboard keys to set the plate thickness, the operation is fast and convenient, and the positioning is accurate.
5. Special for ultra-short materials: the front and rear continuous pressure material design, the inclined pressure plate facilitates continuous feeding of materials of different heights, the aluminum wheel is light to facilitate the feeding and lifting of the pressure plate; the glue layer prevents the material from slipping and jamming, and it can be adjusted slightly when the height of the wood is different. The left and right cylinders are independently controlled, and the air pressure is adjusted according to the thickness of the material from 0-60mm, and the wood is pressed to prevent deviation.

4. Heavy-duty design:

1. Sturdy all-welded frame: The frame is welded by 100*100*5mm thick square tube with seamless all-welding method. The whole machine has good rigidity, the bottom frame is stable, and the equipment will not vibrate during high-speed operation.
2. Thickened workbench: The workbench is made of 8MM thick plates covered with ribs at the bottom to prevent long-term stress deformation and affect the sawing accuracy.
3. Bold lifting shaft: the upper saw wheel frame bearing column is made of $\phi 65$ MM diameter 45# carbon steel, which is heat-treated to prevent deformation. The extra-thick 8C hard chrome plating layer is not easy to rust and dechrome, the lifting is smooth, and the bearing saw wheel frame is not easy to deform and vibrate. Less, precise sawing.
4. Lifting system: Using Taiwan brand ABBA precision screw, the lifting height can be freely set within 200MM, which is convenient for adjusting the thickness of the plate and accurate positioning.
5. Thicken the bottom plate of the saw wheel: 14mm thick national standard steel plate is cut by laser, the square tube is reasonably distributed vertically and horizontally to make reinforcing ribs, and the whole welding method is welded, which has good rigidity and is not easy to deform, and the saw blade is more durable.

5. High configuration constant temperature hydraulic system: stable oil temperature, smooth and smooth conveying, smooth cutting of plates, speed regulation range of 0-18 m/min:

1. Valve imported from the United States: control the hydraulic oil flow output smoothly and stably, there will be no fast and slow oil circuit or continuous heating and heating, ensuring stable feeding without shaking, smooth sawing of plates without vibration lines, large speed adjustment range can be matched with various Wood cutting speed.

(Other brands use the motor to drive the material, the speed adjustment range is small, and the motor is easily damaged when the adjustment range is exceeded)

2. Sino-Italian joint venture hydraulic motor: It is specially customized with imported technology from Italy, which drives the feeding wheel to drive the power of the feeding belt. The oil flow adjustment range is large. The hydraulic motor ensures stable power and rotational speed when switching between high and low speeds. The feeding belt drives smoothly and does not vibrate. .
3. Taiwan gear pump: The hydraulic motor drives the gear pump to output hydraulic oil, and the oil pressure is smooth and stable when it is turned on for a long time, and it will not heat up at high temperature.
4. Hydraulic feeding device: The hydraulic motor drives the feeding wheel to drive the straight-line belt feeding. The curved feeding wheel prevents the feeding belt from swinging and deviating, and the conveying is stable.
5. Hydraulic feeding device: The hydraulic motor drives the feeding wheel to drive the in-line belt feeding, and the curved feeding wheel prevents the feeding belt from swinging and deflecting, and it is especially suitable for the process of cutting multiple pieces on one plate.

6. Automatic tensioning and saw wheel configuration:

1. Wear-resistant steel wheel: 45# national standard carbon steel with high hardness is precisely processed into a saw wheel with a diameter of 710mm and a thickness of 32mm through ten processes. , wear-resistant.
2. Heavy-duty bearing device: NSK heavy-duty release bearing 32013 is used inside the saw wheel. The large contact surface of the inclined bead ensures that the saw blade can withstand greater tension when it is 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: The international brand German Rexroth 35# precision guide rail slider guide is adopted. When the saw wheel is tensioned, the slider gap is small, the saw wheel does not swing, and the saw blade has good stability and is not easy to break.
4. Automatic tensioning system: automatic tensioning of the saw blade, one person can quickly complete the replacement of the saw blade, the saw blade heating system has automatic pressure boosting and pressure maintaining functions during sawing, the saw blade has good stability, and it is not easy to break or run the saw.

7. Introduction of high-quality accessories:

1. Water storage device: It is used to store water or diesel oil. When the saw blade is heated, the saw blade is cooled and lubricated by spraying water or diesel oil.
2. Water spray device: the saw blade heats up during sawing, and the water spray device sprays water on the saw blade in the form of spray to cool and lubricate the saw blade. The saw blade is stable and not easy to run and break.
3. Saw clip guide wheel: The wear-resistant special ceramic is used as the clip, and the saw blade will not vibrate up and down to affect the work difference. The 10,000-turn high-speed guide wheel prevents the saw blade from retreating and ensures that the saw teeth are exposed to the saw wheel. The combination of the two is not easy to break the bar , running saw, sawing precision.
4. International first-line brand electrical appliances: Siemens/Schneider contactors/thermal relays have good durability for frequent starts. The phase sequence protector can automatically protect the voltage when the voltage is unstable. The failure rate is low. The internal use of the machine European standard 110V safety voltage. (Other brands are all domestic ordinary brands)

Eight, the main accessories:

Transformer Jiuchuan Electric Push Button Switch Siemens Second Industry

Circuit Breaker Schneider AC Contactor Schneider

Saw wheel bearing NSK guide rail slider Germany Rexroth

Ball screw TBI/ABBA triplet Fangda

Speed control valve American imported valve hydraulic motor favorite