

## EP-E SERIES CNC BEAM SAW



### DESCRIPTION

This machine is mainly used for all kinds of density boards, shaving boards, wood based panels, ABS panels, PVC panels, organic glass plates and solid wood cutting.

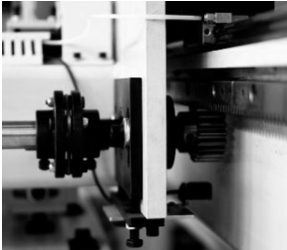
### KEY FEATURES

- EP-E series CNC Panel Saw/ CNC Beam Saw is a wise choice for panel furniture cutting process, especially for mass production.
- Air table reduces the friction to the minimum to prevent chipping and wearing of the materials.
- Adopting SCHNERDER Servo motor and driver, precision gear and rack transmission ensures smooth and dynamic running even at the highest speeds.
- Saw blades are easy to load and unload in an efficient manner.
- Hovering cylinders ensure the holding strength, minimize the impact load, and help extend the service life of the machine.
- Equipped with multiple groups of clamps, no panels fall off when pushed or running at high speed.
- 4 dust collecting ports design.
- Cutting is automatically adjusted to the size of the panels according to the value set - dramatically reduces the cycle time.

## STANDARD CONFIGURATIONS

Model	EP-E series CNC Panel Saw/ CNC Beam Saw
Main saw diameter	400 mm
Shaft diameter	75 mm
Revolving speed	3910 rpm
Main saw motor	18.5 kW
Scoring saw dimension	200
Shaft diameter	50
Revolving speed	5860 rpm
Scoring saw motor	2.2 kW
Working speed	120 m/min
Traveling speed	1-120 m/min
Cutting moving motor and power	Schneider servo 2 kW
Feeding motor	Schneider servo 2 kW
Pusher speed	80/min
Clamps number	10
Motor Power	2 kW
Total Power	31 kW
Servo system	Schneider
Cylinder/ Solenoid valve	SMC/ AirTAC
Optimizing software	EXCITECH
Control system	Schneider PLC
Self-lubrication system	Self-lubrication system
Air consumption	150 L/min
Outside dimension	600x6600x1750 mm
Working air pressure	0.6~0.8 MPa
CE safety Certified	

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Servo motor transmission uses KH grinding grade gear and rack imported from Taiwan.

Guide rail: Use high-precision Taiwan circular guide rails for parallel double suspension.

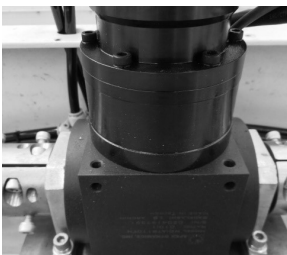
Features: high hardness, high accuracy, wear resistance, long-term guaranteed accuracy



Heavy-duty frame  
Sturdy construction  
Ensure precision and finish and accuracy



U -Shaped Wheel  
German INA wheel  
Ensure stable and reliable operation



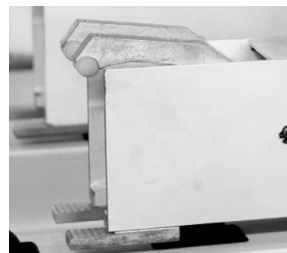
Apex Planetary reducer  
Improve feeding accuracy  
Ensure long time cutting precision



In feeding table with air table and front roller, 3.0KW air blower, both will make the workpieces easier to move. Reduces friction  
Prevent chipping and wearing of the material



Clamps  
Wrapped with rubber  
Prevent scratching of the material



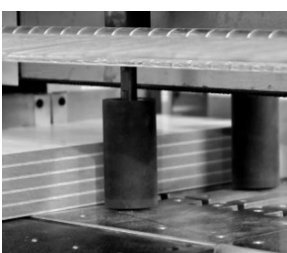
With 2 fingers clamping gripper on the machine, makes the clamping better than old design



Quick Change-over of the saw blade



Stack cutting  
With 18.5kw main saw motor  
Schneider servo driven saw carriage



With servo side alignment to realize the accurate positioning



Hard chrome plated steel counter top table

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Manual pull wire emergency stop device is adopted at the feed inlet. Ensures personnel safety.



Equipped with the air tank on the machine, which can make the air pressure much stronger and more stable.



With one small printer in front of the screen, it's easier to print the labels, the operator can stick the labels on the panels in a easy way.



Used to lubricate the racks and the guide rail



Schneider components

