

LET'S START YOUR PRODUCT TO BE REALIZE.

UBS
3200 AUTO

HIGH PERFORMANCE MULTI CUTTING SOLUTION



**SMART SOLUTION
FOR ENHANCE QUALITY**

AUTO BEAM SAW

UBS 3200 AUTO



UBS 3200 AUTO

This machine process the attributes of an excellent design, effortless functionality, and rapid manufacturing. It is particularly well-suited for precision cutting of straight and smooth wooden panels used in the production of office furniture and household furniture.

Salient Features

- ▶ The servo driver is responsible for precise and speedy feeding by instantly setting the position accurately.
- ▶ This device has the capability to decrease the cutting duration based on the width of the work piece. For instance, if the work piece's width measures 1000mm, the saw will only move 1000mm.
- ▶ A device is available to correct any deviation in the work piece by automatically pushing it against the fence backer. This ensures that the cutting is done with utmost precision at a perfect right angle. The double-roller correcting rollers are designed to automatically select the appropriate width of the workpiece in order to correct the cutting position.
- ▶ The adjustable servo driven pneumatic clamp ensures the protection of the board's surface. Additionally, the robot hand can operate in groups,
- ▶ Servo motor, guide line and rack can supply the high speed moving for saw unit. It can set accurate cutting time by servo driver. Also can detect cutting length automatically.

Technical Specification

Model	UBS 3200 AUTO
Show Cutting Length	3150 mm
Show cutting thickness	100 mm
Diameter of Main saw blade	Ø 400 mm
Diameter of Main saw blade Shaft	Ø 60 mm
Revolving Speed of main saw blade	3930 r/min
Diameter of scoring saw blade	Ø 180 mm
Diameter of scoring saw blade shaft	Ø 30 mm
Revolving speed of scoring saw blade	6500 R/min
Advance speed of saw base (stepless)	9-50 m/min
Back speed of saw base	100 m/min
Drive motor of saw base	1 kw
Drive motor of main saw blade	15 kw
Automatic feeding motor	1.5 kw
Automatic feeding speed	50 m/min
Operating Pressure	5 ~ 8 kg/cm
External Dimensions (LxWxH)	5830 x 6630 x 1810 mm

Machine Specification



Processing

- ▶ The components and machine frame undergo precision machining using state-of-the-art CNC equipment for metalworking.
- ▶ This streamlined process ensures high processing accuracy and minimizes vibrations during operation.



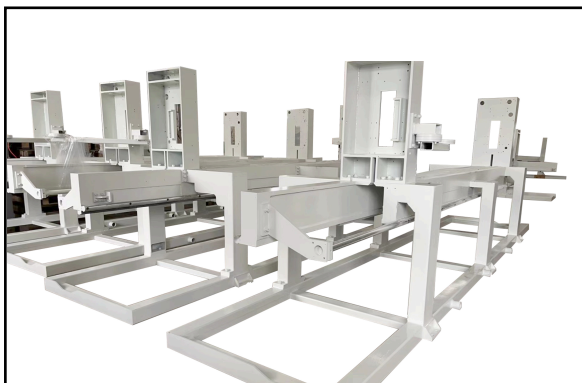
Quality Control

- ▶ The utilization of sophisticated measuring tools and a rigorous quality control system ensures that the machinery and components undergo thorough inspection and are certified to meet exceptionally high standards.
- ▶ Each machine comes with a Quality Certificate signed by a specialist in quality control.seamless task.
- ▶ Exceptional quality combined with cutting-edge technology can lead to a 40% boost in efficiency.



Optimizing software

- ▶ The machine is equipped with professional optimization software to ensure efficient handling and convenient operation. Additionally, it is compatible with other globally recognized software for further application.
- ▶ The software is incredibly powerful and user-friendly, offering a range of features such as comprehensive work process management with detailed reports, simulation of cutting patterns, display of error messages, printing of barcodes, and numerous other advantages.



Machine Body

- ▶ Adequate metal fabrication process is essential to ensure the precision and longevity of a specially designed machine body, which is constructed using high tensile strength steel.

Machine Specification



Steel Table Plate

- ▶ The steel plate possesses exceptional rigidity and durability, ensuring an extended lifespan and precise accuracy of up to $\pm 0.03\text{mm}$, thereby minimizing potential maintenance expenses.
- ▶ A polished surface reduces the risk of scratches on components.



Air Float Feed Table

- ▶ The presence of steel balls on the table surface, along with a fan, guarantees smooth movement of panel stacks by providing constant air circulation.
- ▶ The black table plate is sturdy and resistant to wear, ensuring the optimal protection of the panel surface.
- ▶ Three pipes are linked to three float tables, and an air blower positioned beneath the table provides an ample supply of air. The flow rate is measured.



Top Side Aligner

- ▶ During cross cutting, the panel is securely compressed from both sides by two automatic alignments to ensure precise square cuts.
- ▶ The automatic relocation to the appropriate position for standby will be carried out automatically, taking into account the size of the panel.



Pressure Beam

- ▶ The pressure beam is capable of automatically adjusting itself based on the overall height of the panels, resulting in a reduced travel range and ultimately improving efficiency.
- ▶ Applying pressure evenly across the entire surface of the panel effectively increases the pressure, resulting in a noticeable reduction in chipping along the edges of the work piece.
- ▶ The pressure beam is moved with precision by a rack and pinion mechanism on both sides.

Machine Equipments



Piano Dust Cover

The piano dust cover is designed to offer a fully enclosed blade guard, effectively safeguarding against the dispersion of dust and debris.



AC Servo Gear Box

The AC servo gear box ensures a consistent force on the rack and pinion from both sides to maintain stable motion.



Dust Collection

The top and bottom dust collectors help minimize airborne chips and dust, creating a more convenient working environment that ultimately prolongs the service life.



Automatic Lubrication System

The main transmission components are automatically greased by the automatic lubrication system, thereby reducing the maintenance required by operators.



WOODWORKING MACHINERY
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We would love to
hear from you!

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