

UBS 2800 AUTO

**HIGH
PERFORMANCE
MULTI CUTTING
SOLUTION**



**SMART SOLUTION
FOR ENHANCE QUALITY**

AUTO BEAM SAW

UBS 2800 AUTO



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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 2800 AUTO |
|--|---------------|
| Show Cutting Length | 2800 mm |
| Show cutting thickness | 100 mm |
| Diameter of Main saw blade | Ø 400 mm |
| Diameter of Main saw blade Shaft | Ø 75 mm |
| Revolving Speed of main saw blade | 4800 R/min |
| Diameter of scoring saw blade | Ø 180 mm |
| Diameter of scoring saw blade shaft | Ø 50 mm |
| Revolving speed of scoring saw blade | 6900 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 Presure | 5 ~ 8 kg/cm |

Units Overview



BODY FRAME

- ▶ The Frame is welded with heavy steel plates made by top meta processing center.



PRESSURE BEAM

- ▶ Applying same pressure on entire surface of board while cutting.



PANEL GRIPPERS

- ▶ Strong and accurate clamping for perfect feeding performance.



OPERATING PANEL

- ▶ Control system with USB, Interface, Mouse, keyboard and easy operation of optimization software.



AIR FLOTATION SYSTEM

- ▶ For smooth movement of panel board. Steel balls on table prevent scratches on surface.



SERVO DRIVE SYSTEM

- ▶ This system ensure fast and accurate working of panels.



MAXIMUM HEIGHT OF CUT

- ▶ Saw carriage is designed to cut maximum 120 MM of panel height



SAW CARRIAGE

- ▶ Standard assembly for high precision chip-free cutting.



HEAVY DUTY PROCESSING

- ▶ The components and machine frame undergo precision machining using state-of-the-art CNC equipment for metalworking.



WOODWORKING MACHINERY
MANUFACTURING

We would love to
hear from you!

CONTACT US

HEADQUARTER

3/c. shiv estate, opp. radhika society,
near baroda expressway, NH-8,
Ahmedabad - 382 445

CONTACT NUMBER

+91-99255 19009

+91-96620 29892