

LET'S START YOUR PRODUCT TO BE REALIZE.

UEB
860 PC

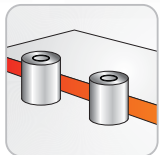
SEAMLESS EDGE BANDING SOLUTION



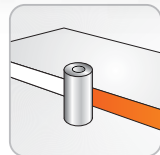
**SMART SOLUTION
FOR ENHANCE QUALITY**

AUTOMATIVE EDGE BANDING MACHINE

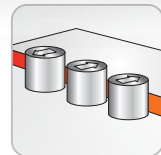
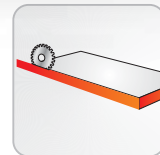
UEB 860 PC



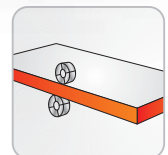
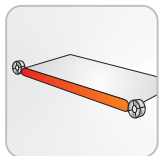
Pre Milling



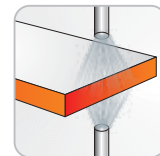
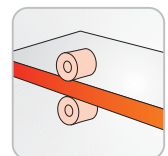
Glue Unit

Pressure Roller
Group

End Cutting

Fine top/bottom
TrimmingCorner
Rounding

PVC Scrapping

Glue
ScrappingLiquid
Spraying

Buffing Unit

UEB 860 PC

The machine can be performing with many different Edgebands such as PVC, ABS, veneer and acrylic. On different types of boards such as plywood, chipboard, MDF/HDF..

Salient Features

- ▶ High end machining performance **High speed processing** with user friendly and trouble free operation.
- ▶ Smart Touch PLC System integrated with encoder controlled every functions of the machines which gives accurate functioning
- ▶ **Motorised up-down** of conveyor belt
- ▶ Equipped with **Diamond pre milling Cutter**
- ▶ Teflon coated glue pot easy for cleaning 2.5 capacity of EVA glue
- ▶ **Safety air tank** for constant supply of air to machine
- ▶ For flat top&bottom trimming of acrylic can be perform without changing setting with rough top bottom unit

UEB 860 PC



Technical Specification

Model	UEB 860 PC
Electric Level	415-220/50 hz
Edge material thickness	0.4-3 mm
Panel thickness	10-60 mm
Minimum width of the panel	50 mm
Minimum length of the panel	120 mm
Conveyer speed	14/18/23 m/min
Conveyer thickness adjustment	Electric
Conveyer up / down	0.37 kw
Total Electric Power	18 kw
Total Air Pressure	6-8 bars
Pre-milling motor power	2x2.2 kw
End cutting unit power	2x0.55 kw
Top\bottom fine-trimming unit power	2x0.55 kw
Corner rounding unit power	2x0.3 kw
Max Depth of Grooving	17 + 9 mm blade
Buffing Unit power	2x0.37 kw
Overall size (l x H x W)	6350 x 1600 x 1000

Quality Control

- ▶ Advanced measuring equipment and a strict quality control system ensure that machines and parts are inspected and certified to a very high standard..
- ▶ All machines are provided with a quality certificate signed by a QC expert..

Conveyer

- ▶ The long straight Cast iron conveyer gives the perfect and straight movement of panel through out the length of the machine gives no vibration.
- ▶ 1 set of guide roller bar with compact rollers help to support the large workpiece in the process, which avoids the impact caused by the imbalance of the large workpiece..
- ▶ A thick steel support plate with high rigidity and stability prevents deformation and provides additional stability in strip work..

Machine Body

- ▶ The body of the heavy machine is welded with thick laser-cut steel plates, then pre-machined with a CNC machine for metalwork, which improves stability and strength, reduces vibration in the process..
- ▶ The frame body undergoes heat treatment and vibration treatment to ensure a lifetime without deformation.
- ▶ After sandblasting and painting, state-of-the-art CNC metalworking machines are used to machine the frame and components to ensure perfect quality and detail..

Dust Collection system

- ▶ Dust collecting system is only available in Top-bottom fine trimming and premilling unit.
- ▶ ensure the proper dust collecting from premilling and top/bottom trimming units.

Safety Device

- ▶ **Panel Interval feeding detection system**
For maximum edge banding performance, keep the blanks at the correct distance.
- ▶ **Emergency Stop**
If you need to prevent the machine right away push the emergency button.
- ▶ **Automatic alarm system for air pressure.**
when the pressure of air reduced while machine working machine will give the alarm on the screen and will prevent damage of panel and accident of machines.

Electric Components

- ▶ Input voltage, 3-415v, 50Hz (standard), frequency converter with motor braking function;
- ▶ Phase sequence protector
- ▶ All electrical components of the facilities comply with national standards.

Professional Assemblyline

SHREE UMIYA F-TECH MACHINES follows SOP and creates professional assembly lines. experienced technicians do all the assembly, which ensures the standardization and performance of the machine.

Units Overview

Pre milling unit



- ▶ An automatic length sensor switch is installed, which allows accurate determination of panel length and processing of the entire panel..
- ▶ corrects the panel's surface using premium auto-set High RPM Spindle frequency motors (revolves both counter-clockwise and clockwise to provide a precise, chip-free finish.
- ▶ Equipped with a 1.5 KW spindle motor-powered, 12000 RPM diamond cutter head.
- ▶ The maximum board thickness for premilling is 50 mm, and the maximum cutting depth is between 0.2 to 2 mm.
- ▶ There is a partition and an air blower installed between the Premilling Unit and the Glue Unit. The air blower removes dust particles for a quality and smoother gluing process.
- ▶ the priming procedure creates a consistent surface and chip-free edge for the panel.

Glue Unit



- ▶ Dip the hot melt glue onto the panel, feed the edge to be glued onto the workpiece, cut the edgbanding coils to length automatically and gluing the applied edge firmly onto the panel.
- ▶ Teflon coated gluepot to keep glue from adhering to the pot's surface. It works wonders for clearing away burnt glue. gluepot with a 2 kilogram capacity and a 1.5 kw plate heating.
- ▶ Having a nurling roller with a 500 watt heating element ensures that the panel's edges are well adhered to.
- ▶ The high quality superior wiper controlled the flow of glue.
- ▶ These features are specially designed to ensure a consistently precise finish and superior quality. and to avoid any poor quality and Inconsistency of glue.

Pressure Roller Group



- ▶ A pressure roller group consists of 4 pressure roller diameters. The first pressure roller diameter is 150 mm and the remaining 3 pressure roller diameters are 100 mm.
- ▶ all 4 pressure roller pneumatically operated. pressure can be adjustable by pnumatic pressure nobe. function of pneumatic cylinder operated by PLC
- ▶ On the glue table, all pressure roller are mounted 1 degree tilted to each other side . This ensures that the glue is evenly and firmly distributed in the centre of the panel. It also prevents access overflow of glue on the panel surface.
- ▶ The pressure rollers apply sufficient force to the panel to ensure that the glue adheres correctly and in the desired amount.
- ▶ It offers incredible results with a smooth finish and a long-lasting edge attached to the panel.

Units Overview

End Cutting



- ▶ Make additional cuts on the last edges of the panel. Equipped with high frequency motors with a power of 0.55 kW and 12,000 rpm and saw blades with a diameter of 150 mm..
- ▶ This can be cut straight or at an angle of 0 to 15 degrees
- ▶ High reliability and precision as Installed large linear guides.
- ▶ 2 saw blades diam. 104 x 3.0 x 22 mm, T = 30
- ▶ This process ensures a precise edge finish for a perfect finished look..



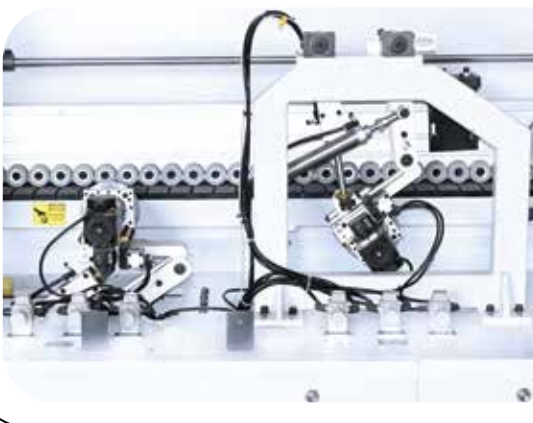
Fine top/bottom trimming



- ▶ Performs fine trimming of the top and bottom edges of the glued edge.
- ▶ Comes with 2 high end frequency motors with suction hood and front and vertical Guide Plate.
- ▶ Motors manually tiltable between 2 working positions: Flush and radius trimming.
- ▶ All spindles equipped with encoder readouts for fast adjustment
- ▶ High Frequency spindle motor - 0.55 kw x 2, 200 hz , 12000 RPM



Corner Rounding

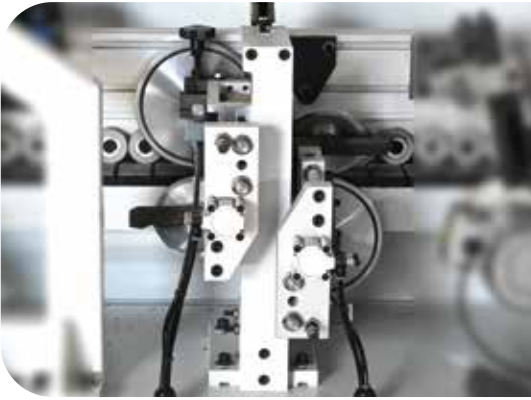


- ▶ corner rounding unit for front and rear edges for perfect corner trimming.
- ▶ This unit works in different profile in processed post forming machine like half nose, full nose, and duck nose.
- ▶ having a capacity of 50 mm panel.
- ▶ High Frequency spindle motor - 0.55 kw x 2, 200 hz , 12000 RPM
- ▶ Workpiece length min - 150 mm, edgebanding thickness upto 1mm to 3mm
- ▶ Thanks to it's movement of circulating over the edge of panel with the help of linear guide ways and pneumatic cylinder gives the best result in the corner of panel.



Units Overview

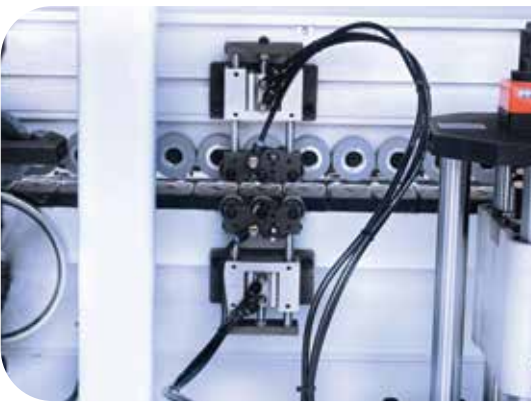
PVC Scrapping



- ▶ PVC Scrapping does finishing work on edgebanding edges..
- ▶ Comes with standard profile of 2 mm.
- ▶ It provides better edge, consistency, precision and smoothness..
- ▶ Includes 2 R-profile blades with suction hood and front and vertical guide plate..



Glue Scrapping



- ▶ The glue scraper helps remove excess adhesive from the joint surface of the panel and edgeband.
- ▶ Flat blade knife with copying plate and air cleaning function
- ▶ This process ensures that there is no glue on the panel or outside the application area..



Liquid Spraying



- ▶ Spraying anti adhesive liquid on panel before buffing unit give the clean finishing surface.
- ▶ Equipped with PLC controlled pneumatic flow.
- ▶ This process cleans the entire treated area to make it look rich and well-groomed..

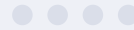


Units Overview

Buffing Unit



- ▶ Edge banding machine buff wheels are used to polish and buff the edges of the top/bottom wood panels to create a smooth and glossy finish.
- ▶ which makes them sturdier and lasts a longer.
- ▶ Finishing the edge looks dimensional and attractive with this process.



Inclusion

- Pre milling PCD trimming block
- Required tools for trimming and scrapping units
- 1 set of tool kit

Exclusion

- Dust Collector , required capacity of 7.5 HP
- GI duct for dust collector ,



WOODWORKING MACHINERY
MANUFACTURING

We would love to
hear from you!

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