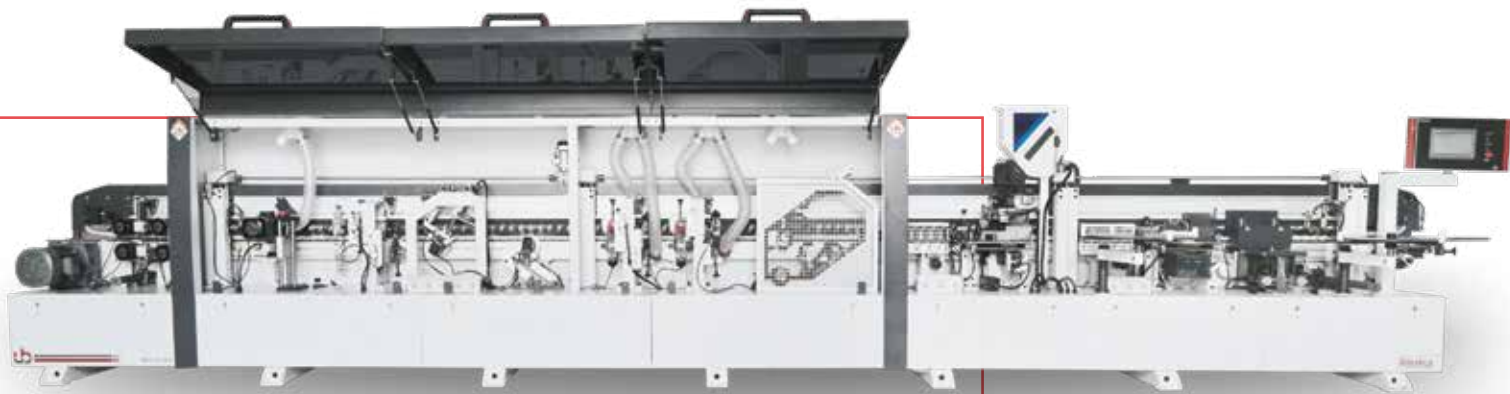


LET'S START YOUR PRODUCT TO BE REALIZE.

UEB
990 PUR

SEAMLESS EDGE BANDING SOLUTION



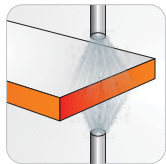
PUR GLUE JET
SYSTEM CAN BE
USE IN THIS MACHINE



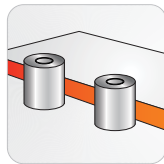
SMART SOLUTION FOR ENHANCE QUALITY

AUTOMATIVE EDGE BANDING MACHINE

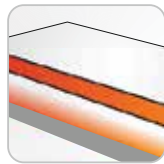
UEB 990 PUR



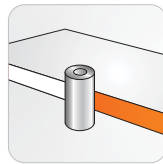
Pre Liquid
Spraying



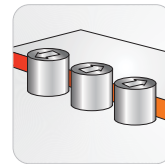
Pre Milling



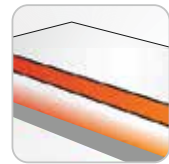
Heating Lamp
1



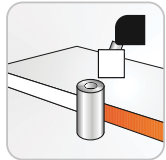
Glue unit



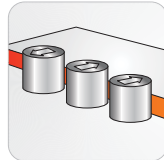
Pressure Roller
Group 1



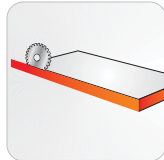
Heating Lamp
2



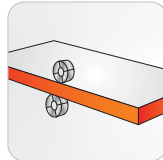
Pre Melting
glue unit



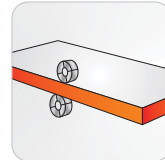
Pressure Roller
Group 2



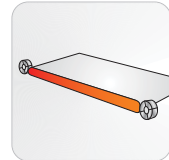
Double rail
End Cutting



Fine top/bottom
Trimming 1



Fine top/bottom
Trimming 2



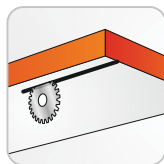
Corner
Rounding



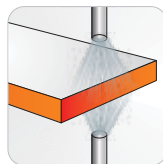
PVC
Scrapping



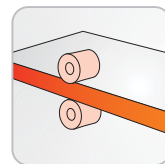
Glue
Scrapping



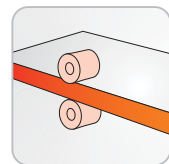
Grooving
Unit



Liquid
Spraying



Buffing Unit
(Oscillated)



Buffing Unit

UEB 990 PUR

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.

This machine is specially designed to with PUR GLUE JET system which offers precision and efficiency in edge bonding. high volume production, It delivers seamless, durable edges with superior adhesive strength.

UEB 990 PUR

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**
- ▶ Thanks to **Double Glue pot sustem** Which will allows for using PUR & EVA Glue without changing lue pot.
- ▶ **Safety air tank** for constant supply of air to machine
- ▶ Grooving station is value added function

Technical Specification

Model	UEB 990 PUR
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	30 kw
Total air pressure	6-8 bars
Pre-milling motor power	2 x 2.2 kw
End cutting unit power	2 x 0.75 kw
Top\bottom fine-trimming unit power	2 x 0.75 kw
Top\bottom fine-trimming unit power	2 x 0.75 kw
Corner rounding unit power	2 x 0.37 kw
Grooving Unit Motor power	4 kw
Max depth of grooving	12 + 9 mm blade
1st buffing unit power (oscillated)	2 x 0.37 kw
2nd buffing unit power	2 x 0.37 kw
Overall size	10400 x 1750 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.

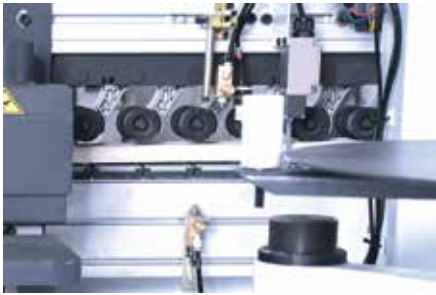
Electric Components

- ▶ 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



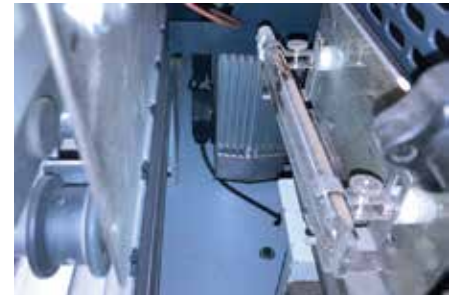
LIQUID SPRAYING

- ▶ Spraying anti adhesive liquid on panel before Pre milling unit give the perfect finishing
- ▶ Equipped with PLC controlled pneumatic flow.
- ▶ This process cleans the entire treated area to well functioned.



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 2 x 2.2 KW spindle motor-powered, 12000 RPM diamond cutter head.



PRE HEATING LAMP

- ▶ Heating Strip is Functioning to apply controlled heat to the adhesive on the edge banding material.
- ▶ This ensures the adhesive melts and adheres properly to the substrate.
- ▶ It helps in achieving a strong, durable bond and a smooth finish on the edges of the workpiece.



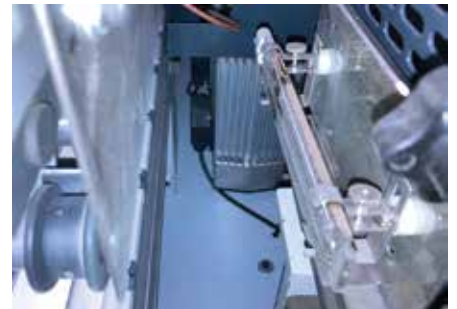
GLUING SECTION

- ▶ Dip the hot melt glue onto the panel, feed the edge to be glued onto the workpiece, cut the edgebanding 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.



PRESSURE ROLLER GROUP

- ▶ A pressure roller group consists of 4 pres. roller. The first pres. roller dia. is 150 mm and the remaining 3 pres. roller dia. are 100 mm.
- ▶ All 4 pressure roller pneumatically operated. pressure can be adjustable by pneumatic pressure nobe. function of pneumatic cylinder operated by PLC
- ▶ On the glue table, all pressure roller are mounted 1° 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.



PRESSURE ROLLER GROUP

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- ▶ This ensures the adhesive melts and adheres properly to the substrate.
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PRE MELTING GLUE UNIT

- ▶ Highest Number of Successfully Running Machines with PUR GLUE JET IN INDIA
- ▶ Precision at the highest level.
 - Top quality, highly flexible, time and energy saving.
 - High strength joint for extremely long service life.
 - Easy cleaning of gluepot after using PUR glue.
 - Extremely short heat up time.
 - Available in colours.
 - Perfect bonding.
 - Anything to anything glue.
 - Resistant to heat and water, providing quality advantages in all areas of cabinetmaking.



PRESSURE ROLLER GROUP

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DOUBLE RAIL END CUTTING

- ▶ for front and rear edges for well corner trim.
- ▶ This unit works in different profile in processed post forming machine like half nose, full nose, and duck nose.
- ▶ High Frequency spindle motor - 0.37 kw x 2, 200 hz , 12000 RPM
- ▶ Both Side end cutting Performed by individual high RPM spindle motor both spindle travels on separate guide rail with separate pneumatic air cylinder which will help to achieve high speed end cutting.

Units Overview



TOP/BOTTOM FINE 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.
- ▶ High Frequency spindle motor - 0.55 kw x 2, 200 hz , 12000 RPM



TOP/BOTTOM FINE TRIMMING 2

- ▶ 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.
- ▶ 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.
- ▶ Workpiece length min - 150 mm, edgebanding thickness upto 1mm to 3mm



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..



GROOVING STATION

- ▶ 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.



LIQUID SPRAYING UNIT

- ▶ 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..



BUFFING (OSCILLATED)

- ▶ 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.
- ▶ This buffing rollers are Moving slightly to make more efficiently cleaning.



DOUBLE RAIL END CUTTING

- ▶ 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.
- ▶ Finishing the edge looks dimensional and attractive with this process.



WOODWORKING MACHINERY
MANUFACTURING

We would love to
hear from you!

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