



WHERE QUALITY & TECHNOLOGY IS PRIORITY



SHREE UMIYA F-TECH MACHINES





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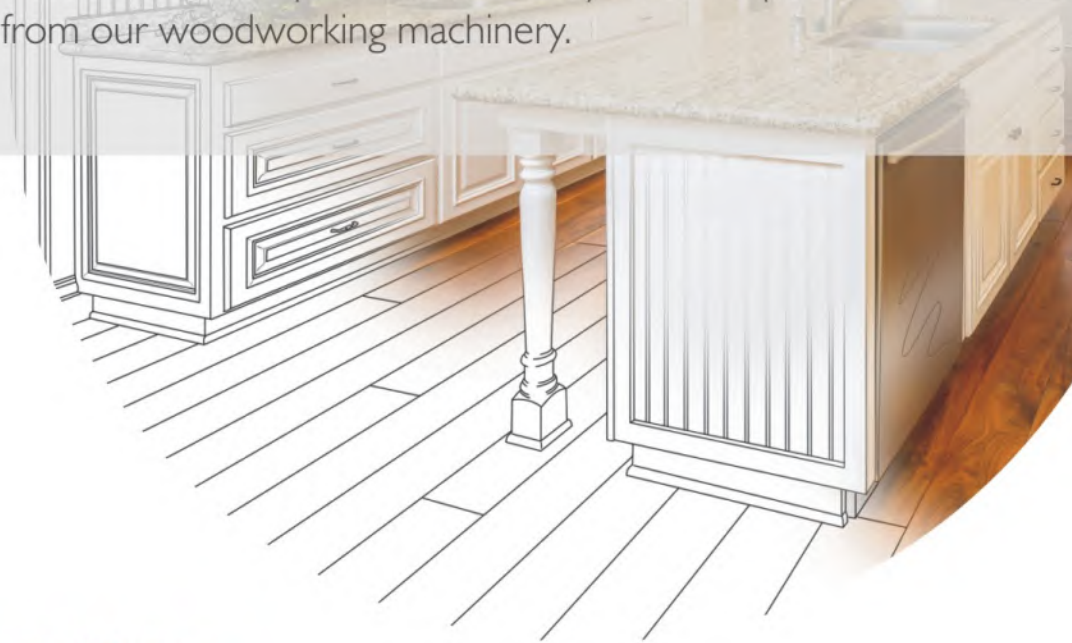
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Note : • Technical specifications may be changed without any prior notice. • Product images are just for the reference.



Performance, accuracy, flexibility, optimal accessibility and processing, best describe the performance that you can expect from our woodworking machinery.



## Welcome to Umaboy Group

We are your woodworking machine professional for industry.

Woodworking machines from the **UMABOY GROUP** are the result of the **35 Years Experience in Machine Creation** with **3 Production Plants & 1 Showroom at Ahmedabad** Headquarter.

### TRADITION

Machine construction and metal processing have been tradition in the Umaboy family for generations. Our wood working machines are 100% developed and produced at the Umaboy Group factories. The areas of research and development, production techniques and assembly, marketing, advertising, sales and service, as well as apprentice training and schooling are traditionally the most important pillars of our international enterprise.

### TRANSFORMATION

With many patents, highly developed products and innovative detailed solutions, the Umaboy group is the leading provider world wide in the standard wood working machinery sector. We knows what you expect from woodworking machinery and are always ready for a further challenge to create new innovative product solutions.

### TQM

Products from Umaboy stand for first class quality and the best price performance ratio! Our precise prod-uction process, strict quality ensure that you as a customer and user can expect a woodworking machine with outstanding quality and many, many years of precision.

# BEAM SAW UBS 3200 AUTO

Maximum production output with excellent cutting of multiple panels



## Computer Controlled Beam Saw Machine

| MODEL                                | UBS 3200 AUTO         |
|--------------------------------------|-----------------------|
| Saw cutting length                   | 3280 mm               |
| Saw cutting thickness                | 90mm                  |
| Diameter of main saw blade           | Ø 400mm               |
| Diameter of main saw blade shaft     | Ø 60mm                |
| Revolving speed of main saw blade    | 3930 r/min            |
| Diameter of scoring saw blade        | Ø 180mm               |
| Diameter of scoring saw blade shaft  | Ø 30 mm               |
| Revolving speed of scoring saw blade | 6500r/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              | 50m/min               |
| Operating pressure                   | 5~8 kg/cm             |
| Net weight of device                 | 6200 kg               |
| External dimensions (L x W x H)      | 5830 x 6630 x 1810 mm |

- Servo driver in feeding, and set the position with high precision immediately. and with high speed feeding.
- The height of main saw blade can be adjusted automatically, according to the thickness of work piece.
- You can adjust the sub-saw blade in touch screen, without any tools by hand
- This machine can reduce the cutting time, according to the work piece's width. For example, If the work piece's width is 1000mm, then the saw only travel 1000mm.
- There is a rectify a deviation device. It can push the work piece to the fence backer automatically. So that it can cut with a high precision in right angle. The correcting rollers adopt double-roller, it can choose the right width of workpiece automatically to correct the cutting position. And the robot hand, it can protect the surface of board by the adjustable holding power. It also can work grouped. (For example, the workpiece's width is 1000mm, then the robot hand will work only, which is in the range of workpiece's width. Not all the robot hand.)
- 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.

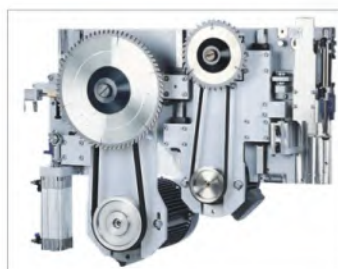
## BEAM SAW UBS 3200

Maximum production output with excellent cutting of multiple panels



### RECIPROCATING BEAM SAW MACHINE

| MODEL                      | UBS 3200              |
|----------------------------|-----------------------|
| Max panel length           | 3200mm                |
| Max panel thickness        | 75mm                  |
| Cutting speed              | 16/20/24m/min         |
| Main saw speed             | 4500rpm               |
| Scoring saw speed          | 6050rpm               |
| Main saw blade diameter    | Ø350xØ30mm            |
| Scoring saw blade diameter | Ø160xØ24.5mm          |
| Saw motor power            | 11kw                  |
| Driver motor power         | 1.5kw                 |
| Fan motor                  | 0.75kwx3pcs/1.5kwx1pc |
| Machine size               | 6630x4110x1620mm      |
| Net weight                 | 3200kg                |
| Touch screen               | No                    |
| Air floating worktable     | Optional              |
| Roller worktable           | Yes                   |



#### SAW CARRIAGES

- The saw carriage hold 400mm dia meter main blade and standard 180mm dia meter scoring blades with independent motor.
- Protected by special dust scrapers.
- Pneumatic clamping for ensuring both ends clamping.

#### SALIENT FEATURES

- After automatically testing sheet material and calling off the length of needed sheet is will rapidly return to await orders.
- The saw is firm and high quality guide track & saw blade ensure the stable mechanical performance.
- Can saw many layers of boards to improve efficiency.
- Advanced dust precipitating system can reduce environmental pollution.

## PANEL SAW UPS 3200A++

This machine is suitable to cut solid wood, plywood, MDF board, particle board & various kind of laminated board. Compact and rigid structure with high precision performance.



### SALIENT FEATURES

- Burr free cutting & right angle cutting.
- Smart and heavy duty structure.
- Can tilt 45° for degree cutting.
- Extra support for wood sheet and high accurate cutting.
- High precision and long life sliding table for work.



### TECHNICAL SPECIFICATIONS

| MODEL  | UPS 3200A            | UPS 3200B            | UPS 3200A+           | UPS 3200A++          |
|--|----------------------|----------------------|----------------------|----------------------|
| Dimension of sliding table                   | 3200 x 375 mm        | 3200 x 375 mm        | 3200 x 375 mm        | 3200 x 420 mm        |
| Gross cut capacity                           | 3200 mm              | 3200 mm              | 3200 mm              | 3200 mm              |
| Width of cut between saw blade and rip fence | 1220 mm              | 1220 mm              | 1220 mm              | 1220 mm              |
| Saw blade diameter                           | 300 m (250-300)      | 300 m (250-300)      | 300 m (250-300)      | 300 m (250-300)      |
| Height of cut                                | 75 mm                | 75 mm                | 75 mm                | 75 mm                |
| Speed of main saw spindle                    | 4000/6000 rpm        | 4000/6000 rpm        | 4000/6000 rpm        | 4000/6000 rpm        |
| Spindle diameter                             | 30 mm                | 30 mm                | 30 mm                | 30 mm                |
| Tilting saw blade                            | 0-45°                | 0-45°                | 0-45°                | 0-45°                |
| Main motor                                   | 5.5kw                | 4kw                  | 5.5kw                | 5.5kw                |
| Scoring saw blade diameter                   | 120 mm               | 120 mm               | 120 mm               | 120 mm               |
| Speed of scoring saw blade                   | 8000r/min            | 8000r/min            | 8000r/min            | 8000r/min            |
| Scoring spindle diameter                     | 20 mm                | 20 mm                | 20 mm                | 20 mm                |
| Scoring motor                                | 0.75kw               | 0.75kw               | 0.75kw               | 0.75kw               |
| Overall dimensions                           | 3250 x 3250 x 900 mm | 3250 x 3250 x 900 mm | 3250 x 3250 x 900 mm | 3250 x 3250 x 900 mm |
| Rip fence movement                           | Manual               | Manual               | Auto                 | Auto                 |
| 45° Tilt                                     | Manual               | Manual               | Manual               | Auto                 |
| Cross Cut Fence Read Out                     | -                    | -                    | -                    | Digital              |
| PLC Touch Screen                             | -                    | -                    | -                    | Yes                  |
| Cutter Up Down Movement                      | Manual               | Manual               | Manual               | Auto                 |

# PANEL SAW UPS 3200B

For excellent cutting... every time !!



- High precision cutting.
- Main saw RPM 4000/6000
- Noise less standardized motor.
- Easy up-down of main saw and scoring saw.
- Left & right movement of scoring saw.



- With high RPM : 8000
- Scoring unit helps to cut a laminate or any type of wood beneath.
- Burr free cutting.
- The scoring saw blades rotate in the opposite direction to the main saw.



- For easy operation, smooth running with precise measurement cutting.
- In A+ model auto rip fence with PLC controller.
- In 3200A model rip fence operating with manually cutting capacity 1220mm.



- Saw unit is fully compatible with grooving tool.
- Thanks to removable flanges and table insert, the Umaboy designed, fully adjustable grooving cutters can be used.



- Extremely smooth running and multi chamber system with linear steel bar bearing for high life.



- Accurate angle adjustments, efficient operation and calibration are all made possible by the precise angle meter.
- Helping to cut any type of angle.



- Equipped with locking stopper for fixing measurement.
- 79" alluminium single stroke fence.
- Equipped with enhance glass for better visibility on measurement.



- The fence can be attached to the sliding table without the use of tools.
- The end stop provides you with the exact 90° position.
- The large crosscut fence stops are constructed in such a way that a small tongue on the stop fits perfectly into a groove on the fence.

# AUTOMATIC EDGE BANDER EXPERT 2300

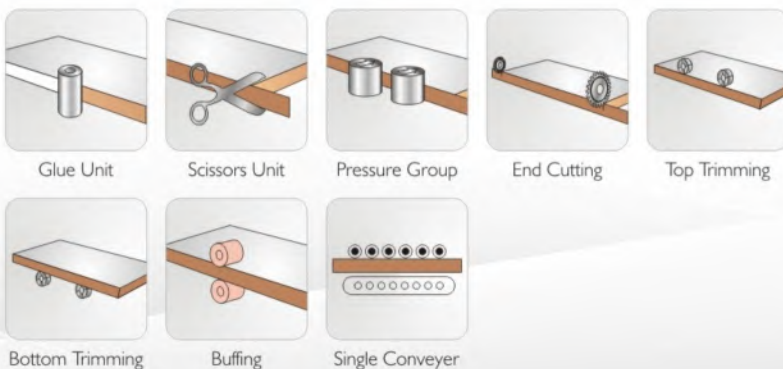


Expert 2300 is a entry level Auto Edge Bander. It has end cutting unit with high frequency motor to excess the edge. This machine is suitable for flat cutting operation. Expert 2300 Edge banding machine has ergonomic structure and the fastest, shortest and easy to be used. The smart element of the machine is its compact design.



## TECHNICAL SPECIFICATIONS

| MODEL                   | EXPERT 2300       |
|-------------------------|-------------------|
| Electric level          | 415-220/50 hz     |
| Nominal current         | 18 A              |
| Edge material thickness | 0.4-2mm           |
| Board thickness         | 10-50mm           |
| Speed                   | 12 m/min.         |
| Total electrical power  | 4kw               |
| Total air pressure      | 6 Bar             |
| Total air usage         | 160 Lt/min.       |
| Buffing motor           | 2x0.18kw/1310rpm  |
| Glue boiler engine      | 0.18kwx900rpm     |
| Trimming                | 2x0.75kw/18000rpm |
| Pallet Motors           | 1.1kw/900rpm      |
| Machine length          | 2300mm            |
| Machine width           | 800mm             |
| Machine height          | 1500mm            |



# AUTOMATIC EDGE BANDER EXPERT 2600



Expert 2600 Edge Banding Machine stands for Minimum Investment to get Maximum Output. The expert 2600 series is your guarantee for absolute quality, flexibility and productivity. The smart element of the machine is exclusive price with attractive result. Expert 2600 Edge banding machine has ergonomic structure and the fastest, shortest and easy to be used system and designed for PVC, Foil, Lining Melamine and ABS applications thickness of which is from 0.4 mm up to 3mm for workshops, factories and out sources with its highest quality.

## TECHNICAL SPECIFICATIONS

| MODEL                   | EXPERT 2600                |
|-------------------------|----------------------------|
| Electric level          | 415-220/50 hz              |
| Nominal current         | 18 A                       |
| Edge material thickness | 0.4-2mm                    |
| Board thickness         | 10-50mm                    |
| Speed                   | 12 m/min.                  |
| Total electrical power  | 4kw                        |
| Total air pressure      | 6 Bar                      |
| Total air usage         | 160 Lt/min.                |
| Buffing motor           | 2x0.18kw/1310rpm           |
| Glue boiler engine      | 0.18kwx900rpm              |
| Trimming                | 2x0.75kw/18000rpm          |
| Pallet Motors           | 1.1kw/900rpm               |
| Machine length          | 2500mm                     |
| Machine width           | 800mm                      |
| Machine height          | 1500mm                     |
| PLC                     | User friendly touch screen |



Glue Unit

Scissors Unit

Pressure Group

End Cutting

Top Trimming



Bottom Trimming

Corner Rounding

Glue/PVC Scraping

Liquid Spraying

Buffing



Single Conveyor

## AUTOMATIC EDGE BANDER EXPERT 3600

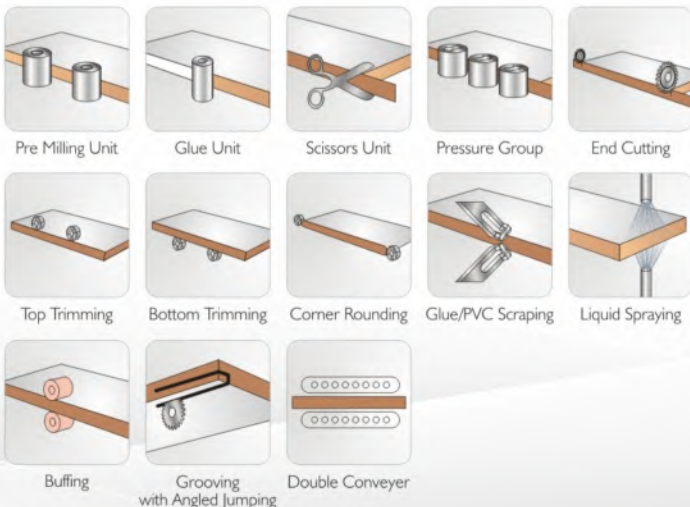
Unique edge bender for the corner rounding. Designed for highest requirements in terms of quality and stands for complete processing of modern edge banding solutions.



Expert 3600 is new and patented technology in automatic edge banding. Expert 3600 is a range of edge benders featuring high resourcefulness in a large ground of applications. Pioneering technological solutions, heavy duty production are combined to ensure a high quality finish and great consistency under a broad range of working conditions. The multi functional package provides a perfect appearance for all your normal edge banding processes.

### TECHNICAL SPECIFICATIONS

| MODEL                   | EXPERT 3600                           |
|-------------------------|---------------------------------------|
| Electric level          | 415-220/50 hz                         |
| Edge material thickness | 0, 4-3mm                              |
| Board thickness         | 10-50mm                               |
| Speed                   | 15 m/Min.                             |
| Total electrical power  | 11kw-11                               |
| Total air pressure      | 6 Bar                                 |
| Total air usage         | 160 Lt/Min.                           |
| Front milling           | 1x1.5kw/12000rpm-<br>1x1.5kw/12000rpm |
| Trimming                | 2x0.75kw/1800rpm                      |
| Buffing motor           | 2x0.18kw/1310rpm                      |
| Glue boiler engine      | 0.18kw/850rpm                         |
| PVC step engine         | 0.4kw                                 |
| Double pallet system    | 2x0.75kw/1404rpm                      |
| Machine length          | 3600mm                                |
| Machine width           | 800mm                                 |
| Machine height          | 1500mm                                |
| PLC                     | User friendly touch screen            |



# AUTOMATIC EDGE BANDER EXPERT 3800



Expert 3800 is new and modified model in automatic edge banding. Expert 3800 is a range of edge benders featuring high resourcefulness in a large ground of applications, loaded with PUR Glue Jet technology to achieve high strength edge banding. Thanks to NC controlled system for automatic thickness setting of PVC edge banding. This machine provide invisible glue line and excellent finishing of edge banding.

## TECHNICAL SPECIFICATIONS

| MODEL                   | EXPERT 3800                           |
|-------------------------|---------------------------------------|
| Electric level          | 415-220/50 hz                         |
| Edge material thickness | 0, 4-3mm                              |
| Board thickness         | 10-50mm                               |
| Speed                   | 15 m/Min.                             |
| Total electrical power  | 11kw-11                               |
| Total air pressure      | 6 Bar                                 |
| Total air usage         | 160 Lt/Min.                           |
| Front milling           | 1x1.5kw/12000rpm-<br>1x1.5kw/12000rpm |
| Trimming                | 2x0.75kw/18000rpm                     |
| Buffing motor           | 2x0.18kw/1310rpm                      |
| Glue boiler engine      | 0.18kw/850rpm                         |
| PVC step engine         | 0.4kw                                 |
| Double pallet system    | 2x0.75kw/1404rpm                      |
| Machine length          | 3600mm                                |
| Machine width           | 800mm                                 |
| Machine height          | 1500mm                                |
| PLC                     | User friendly touch screen            |



# AUTOMATIC EDGE BANDER EXPERT 4600 WOOD

The next step to perfection, precision and clean results with state-of-the-art technology. Expert 4600 is entirely new and focused technology in wooden striping with Automatic Edge Banding which invented first time in the India.

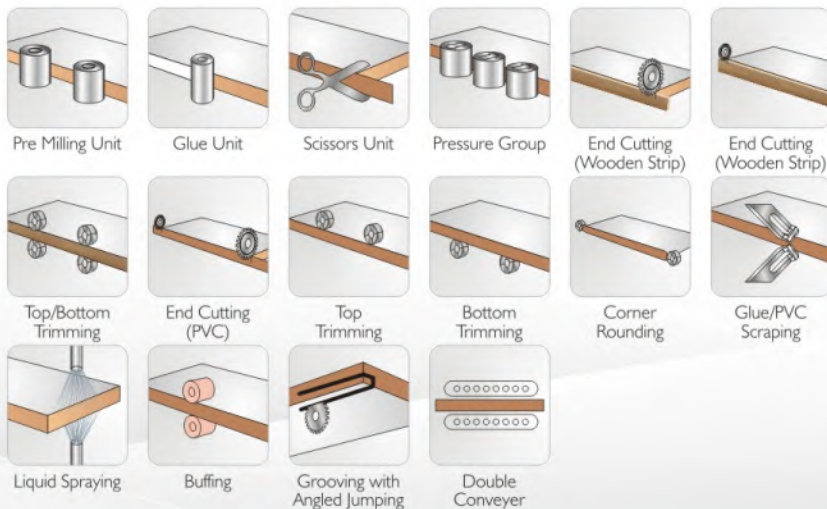


EXCELLENT SOLUTIONS FOR PASTING WOODEN STRIPS APPLICATIONS.



### EDGE BANDING THICKNESS :

- 0.4 mm to 10 mm
- Expert 4600 (Wood) is used for door industries as well as modular furniture industries.
- Due to its combined design for wooden strips and PVC.
- Also available with PUR technology.
- The multi-functional package provides a perfect solutions for all your edge banding process.



### TECHNICAL SPECIFICATIONS

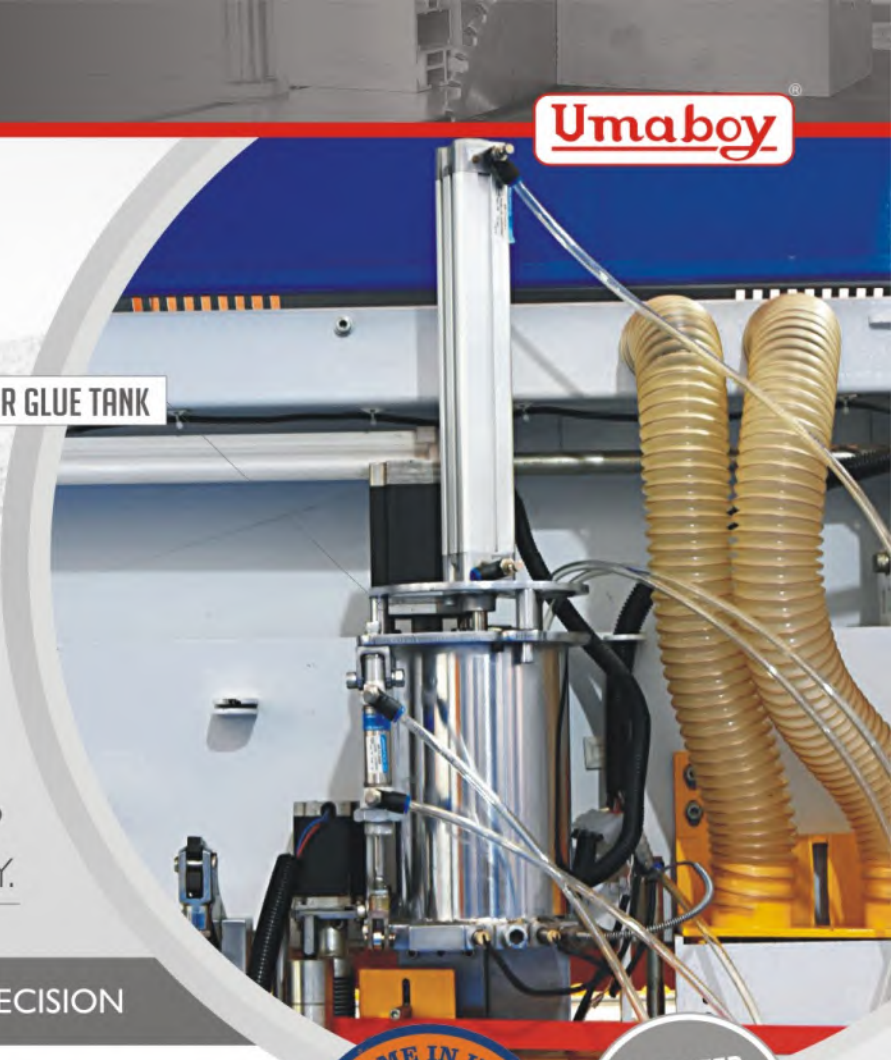
| MODEL                   | EXPERT 4600 WOOD                      |
|-------------------------|---------------------------------------|
| Electric level          | 415-220/50 hz                         |
| Edge material thickness | 0.4-10mm                              |
| Board thickness         | 10-50mm                               |
| Speed                   | 15 m/Min.                             |
| Total electrical power  | 11kw-11                               |
| Total air pressure      | 6 Bar                                 |
| Total air usage         | 180 Lt/Min.                           |
| Front milling           | 1x1.5kw/12000rpm-<br>1x1.5kw/12000rpm |
| Cutting                 | 2x0.75kw                              |
| Trimming                | 4x0.75kw/18000rpm                     |
| Buffing motor           | 2x0.18kw/1310rpm                      |
| Glue boiler engine      | 0.18kw/850rpm                         |
| PVC step engine         | 0.4kw                                 |
| Double pallet system    | 2x0.75kw/1404rpm                      |
| Machine length          | 4600mm                                |
| Machine width           | 800mm                                 |
| Machine height          | 1500mm                                |
| PLC                     | User friendly touch screen            |

## PUR GLUEJET SYSTEM

HIGHEST NUMBER OF  
**SUCCESSFULLY**  
**RUNNING MACHINES**  
WITH PUR GLUEJET IN INDIA

RESULT OF 35 YEARS OF  
TECHNOLOGICAL LEADERSHIP  
IN WOODWORKING MACHINERY.

PUR GLUE TANK



### PUR STANDS FOR PRODUCTIVITY & PRECISION

- 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.



WITH PUR GLUE JET SYSTEM ONE CAN ACHIEVE SOLID PVC TAPE JOINT



MOST ECONOMIC SYSTEM COMPARED TO OTHER MACHINES IN INDIA



PUR GLUE



STANDARD EVA

INVISIBLE JOINT WITH PUR GLUE JET



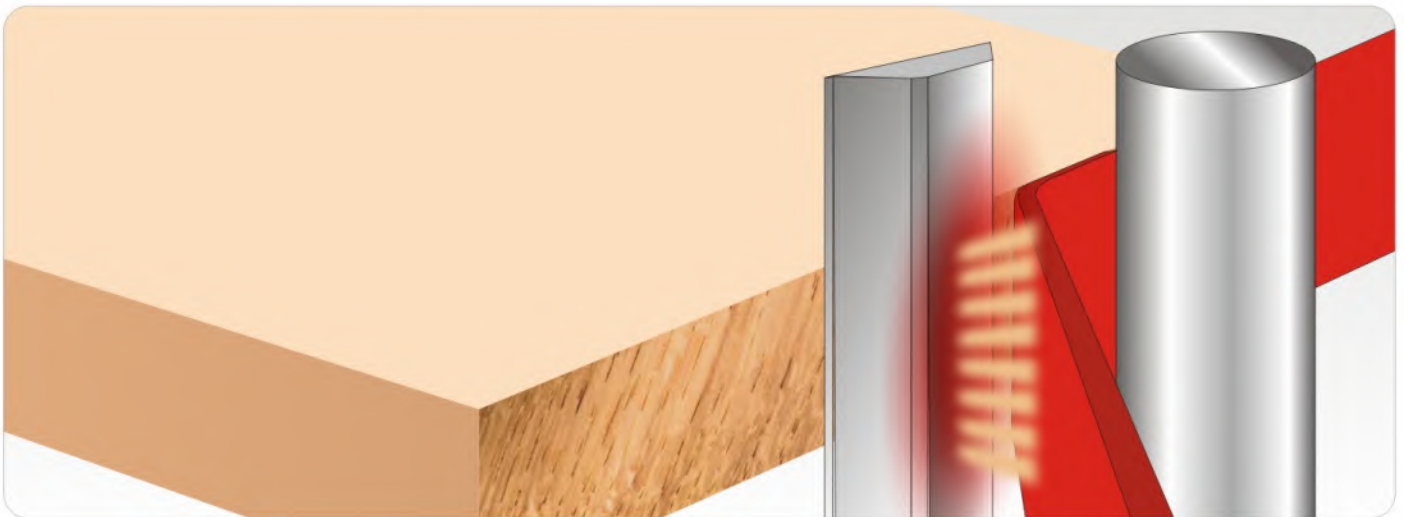
WATER RESISTANT

## RAPID HOT AIR TECHNOLOGY

NOW TIME TO LEAVE CONVENTIONAL BONDING METHOD,  
GO FOR THE RAPID HOT AIR TECHNOLOGY !!

- With the Rapid Hot Air Technology Umaboy developed the perfect solution for invisible joint technique for woodworking industries.
- Rapid hot air technology makes edge banding easier.
- Rapid hot air technology is a very hopeful and will allow any manufacturer to supply top quality furniture to their customers.
- Most Economic technology in comparison of other wood working machines in India.
- Easy to maintain and reliable.

| COMPARISON                                  | Rapid Hot Air Technology | Diod Laser |
|---|--------------------------|------------|
| Power used                                  | Equal                    | Equal      |
| Maintainance costs & complexity             | Very Low                 | High       |
| Device Cost                                 | Low                      | High       |
| Compatibility with EVA-PUR                  | 👍                        | -          |
| Quality (Look, water & steam resistance)    | Equal                    | Equal      |
| Easy-to-Use (Not influenced by edge colour) | 👍                        | 👎          |
| Feed speed over 30 mt./min.                 | 👎                        | 👍          |



| TECHNICAL SPECIFICATIONS |                                   |
|--------------------------|-----------------------------------|
| Feed Rate                | 20 m/mh (1)*- 25 m/mh (2)*        |
| Workpiece Thickness      | 8 - 25 mm                         |
| Operating Pressure       | 2 - 4 bar                         |
| Connected Pressure       | 6 bar                             |
| Air Consumption          | 650 NI/mh. (1)* - 910 NI/mh. (2)* |
| Min. Workpiece Gap       | 600 mm                            |

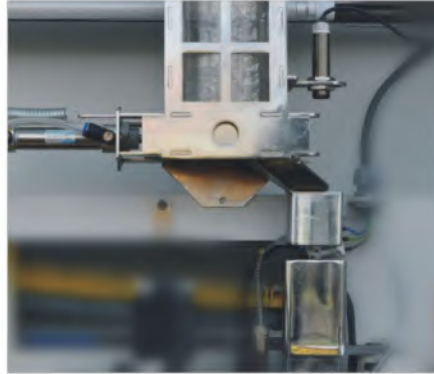
\*Workpiece thickness 19 mm, workpiece length 1,000 mm,  
operating pressure 2 bar (1) and 3 bar (2)

# STANDARD EQUIPMENTS EXPERT 2600-EXPERT 3600

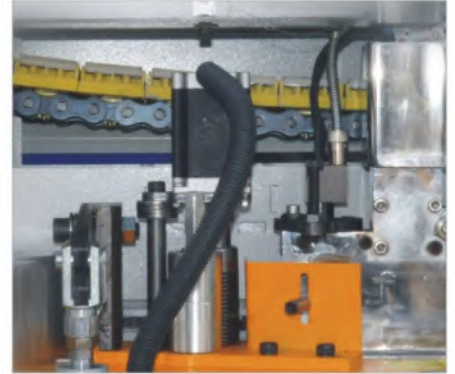
Automatic Edge Banding Machinery Standard Equipments



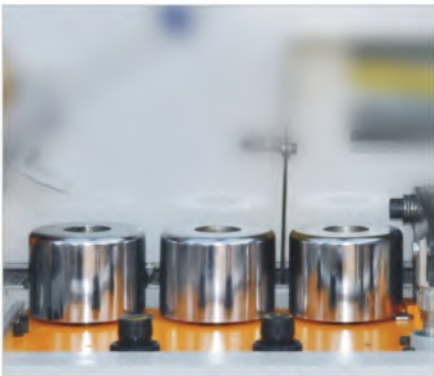
PRE MILLING UNIT



GLUE SPREADING UNIT



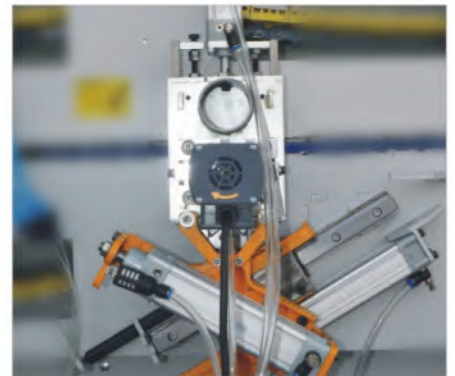
ROLLING AND CUTTING UNIT



PRESSURE ROLLERS UNIT



TOP TRIMMING-HEAD & END CORNER TRIMMING



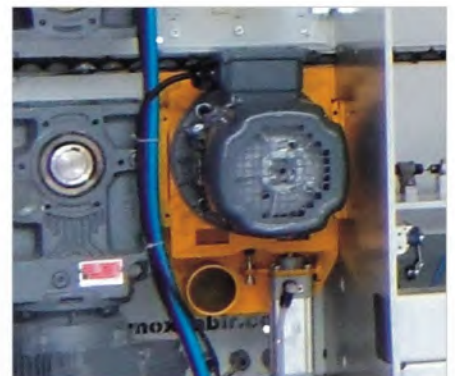
BOTTOM TRIMMING HEAD & END CORNER TRIMMING



SCRAPING GROUP



POLISHING GROUP



GROOVING WITH ANGLED JUMPING

# COMPARISON CHART EDGE BANDING MODELS

COMPARISON DETAILS FOR ALL EDGE BANDING MODELS (APPLICATION CHART)

| MODEL  | EXPERT 2300 | EXPERT 2600 | EXPERT 3600 | EXPERT 3800 | EXPERT 4600 WOOD | MODEL  | EXPERT 2300 | EXPERT 2600 | EXPERT 3600 | EXPERT 3800 | EXPERT 4600 WOOD |
|--|-------------|-------------|-------------|-------------|------------------|--|-------------|-------------|-------------|-------------|------------------|
| <br>Pre Milling Unit          | X           | X           | ✓           | ✓           | ✓                | <br>Corner Rounding                       | X           | ✓           | ✓           | ✓           | ✓                |
| <br>Glue Unit                 | ✓           | ✓           | ✓           | ✓           | ✓                | <br>Glue/PVC Scraping                     | X           | ✓           | ✓           | ✓           | ✓                |
| <br>PUR Gluejet               | X           | X           | X           | ✓           | Optional         | <br>Liquid Spraying                       | X           | ✓           | ✓           | ✓           | ✓                |
| <br>Rapid Hot Air Technology | X           | X           | X           | Optional    | Optional         | <br>Buffing                              | ✓           | ✓           | ✓           | ✓           | ✓                |
| <br>Scissors Unit           | ✓           | ✓           | ✓           | ✓           | ✓                | <br>Grooving with Angled Jumping        | X           | X           | ✓           | ✓           | ✓                |
| <br>Pressure Group          | ✓           | ✓           | ✓           | ✓           | ✓                | <br>Wooden Strip Upto 10mm              | X           | X           | X           | X           | ✓                |
| <br>End Cutting             | ✓           | ✓           | ✓           | ✓           | ✓                | <br>Double Conveyer Pellet System       | X           | X           | ✓           | ✓           | ✓                |
| <br>Top Trimming            | ✓           | ✓           | ✓           | ✓           | ✓                | <br>NC Control for PVC Thickness        | X           | X           | X           | ✓           | Optional         |
| <br>Bottom Trimming         | ✓           | ✓           | ✓           | ✓           | ✓                | <br>Pneumatic Control for PVC Thickness | ✓           | ✓           | ✓           | ✓           | ✓                |

## POST FORMING UPF 1000

UPF 1000 Post forming Machine is a functional, and productive machine and equipped with 180° movable and mechanical arm to give shape laminate in any shape on board. UPF 1000 post forming machine guarantees precise, efficient and productive operation.

### TECHNICAL SPECIFICATIONS

| MODEL                 | UPF1000             |
|-----------------------|---------------------|
| Maximum length of job | 2440mm              |
| Minimum length of job | 300mm               |
| Job thickness range   | 16mm to 125mm       |
| Minimum job width     | 150mm               |
| Maximum heating temp. | 200°C               |
| Air pressure          | 7kg/cm <sup>2</sup> |
| Heating element       | 1.5kw               |
| Electric motor-3phase | 0.5hp               |
| Control type          | PLC fully automatic |

- Widely use for making post form office furniture & curvature edge laminate pressing.
- Kitchen tops, desk tops, table tops, shutters cabinets, shelves cupboards, office furniture etc.



### Salient Features

- PLC control panel which has a capacity of 15 job programs.
- Special pneumatic gauge is operated by 2 pneumatic cylinders for repetitive jobs settings.
- 8 pneumatic cylinders to apply uniform pressure on job through forming heater bar assy. for effective bonding of laminate.
- Long life heater bar ground and hardened.
- Back stops facility.
- Possibility to laminate more than one small board.
- Automatic post forming cycle with variable heating time, stop and go time and holding time can be adjusted to profile.
- Drive motor with brake is provided to avoid slippage of rotary part.
- Motion of the heater bar.
- Mechanical drive control by limit switch.



PLC Controller

- Easy to operate
- 15 job programmes
- Manual & Auto control



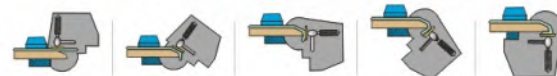
Gauge Stopper

- Special pneumatic gauge stopper with 2 cylinder for repetitive job's setting
- Gauge stopper with sensor for auto job profile



Pressure Clamp

- Pressure clamp with 3 pneumatic cylinder for proper job grip.
- Soft cotton on pressure clamp for better grip & to avoid job damage.



## SPINDLE MOULDER U1004

### Salient Features

- M.S. sliding table mounted on special bearings.
- Ground & electronically balanced spindle for vibration free operation.
- Easy & convenient locking system of spindle shaft.
- Clamping for tenoning work.

### TECHNICAL SPECIFICATIONS

| MODEL                           | 1004          | 1004A        |
|---------------------------------|---------------|--------------|
| Fix table size                  | 1050 x 795mm  | 1050 x 795mm |
| Sliding table size              | 1300 x 305 mm | -----        |
| Degree                          | 45°           | 45°          |
| Up and down movement of spindle | 75mm          | 75mm         |
| Maximum moulding block width    | 100mm         | 100mm        |
| Electric Motor                  | 5 HP/2800rpm  | 5 HP/2800rpm |



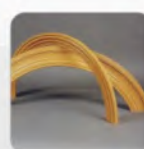
Feeder can be fitted on spindle moulder for auto feed of work piece



Moulding



Grooving

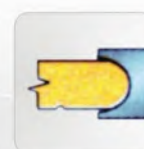


Arch Moulding



45° TILT

Spindle Tilt



Full Round



Half Round



## MANUAL EDGE BANDER U1006

Nowhere else can you find such a great range of different applications and requirements as with edge banding. Umaboy offers a wide selection of different construction and performance machine models.



## HIGH SPEED FEEDER UF004



### Salient Features

- 1 HP (0.75Kw) 3 phase only
- Variable speed - (50Hz) 2~17 M/min
- Used on : Spindle Moulder, Edge Bander for smooth working, safety of worker & job perfection.

## HIGH SPEED ROUTER UR1008

### Technical Specifications

| MODEL                   | UR1008              |
|-------------------------|---------------------|
| Max cutting thickness   | 60mm                |
| Working table size      | 800mm x 600mm       |
| Cutter spindle diameter | 6.35/12.7mm         |
| Spindle rotating speed  | 9000/16000 r/min    |
| Installed power         | 2.4/3Kw             |
| Overall size            | 1420 x 820 x 1700mm |
| Net weight              | 560kg               |

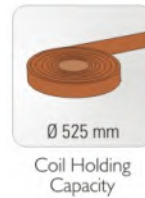


### SALIENT FEATURES

- Variable feed speed of edge banding.
- Swivel bar roller support for big width work piece.
- Aluminum glue pot with covering heat insulation material.
- Foot and micro cutting system for edge cutting.

### Technical Specifications

| MODEL                           | U1006                     |
|---------------------------------|---------------------------|
| Maximum thickness of work piece | 10 to 50 mm               |
| Tape thickness                  | 0.4 to 2 mm               |
| Glue pot capacity               | 2 kgs. approx             |
| Heating element                 | 3 kw                      |
| Tape cutting mechanism          | Pneumatic                 |
| Control of tape cutting         | Micro/Foot Switch         |
| Working speed per minute        | 0 to 10 mts (Variable)    |
| Motor                           | 1 HP                      |
| Air pressure                    | 5 to 7 kg/cm <sup>2</sup> |
| Tape coil dia                   | 525 mm                    |



## DUST COLLECTOR UD001/002/003



### Technical Specifications

| MODEL                         | UD001               | UD002   | UD003   |         |
|-------------------------------|---------------------|---------|---------|---------|
| Air suction capacity          | m <sup>3</sup> /min | 30      | 50      | 60      |
| Static pressure               | Inch.H2O            | 13      | 13      | 13      |
| Inlet pipe diameter           | Inch                | 4"      | 4"      | 4"      |
| Bag diameter                  | Inch                | 19-5/8" | 19-5/8" | 19-5/8" |
| Bag capacity                  | Liters              | 180     | 360     | 360     |
| Power req.Hp/rpm<br>(3 phase) |                     | 3/2800  | 3/2800  | 5/2800  |

# ROLLER PRESS URP 01 / URP 02

## Single/Double Process Roller Press

It is used cover laminates on the materials such as chip board, MDF, Plywood guarantees perfect adhering on the bright and thin materials thanks to its pneumatic press and hard rubber rollers. The energy consume by the machine is less than that of normal presses.

The area covered by machine is very small even with using in-feed & out-feed transport table. It is appropriate for mass production.



## SALIENT FEATURES

- It is used to cover laminates/papers/acrylics/veneers/PVC foil on the materials such as MDF, particle board/plywood.
- It is appropriate for mass production as it is a continuous system.
- Hard rubber rollers and four heater elements, that ensures perfect fix of laminates on board.
- Motorized up/down movement for thickness adjustment.
- No waiting period like other press, no limit to the workpiece length, easy to use.
- Consumes less energy as compare to other press.
- Adjusting roller speed and temperature gives the best results.

## TECHNICAL SPECIFICATIONS

| MODEL                        | URP 01      | URP 02      |
|------------------------------|-------------|-------------|
| Max. working thickness sheet | 90mm        | 90mm        |
| Max. working width sheet     | 1300mm      | 1300mm      |
| Total roller                 | 2 Nos       | 4 Nos       |
| Speed                        | 2-6.5 m/min | 2-6.5 m/min |
| Total electrical power       | 2.37 kw     | 4 kw        |
| Air pressure                 | 6 bar       | 6 bar       |
| Motor power                  | 1 HP        | 1 HP        |

### URP 01



Single Roller Pressing Unit



Heating Unit



Pneumatic



Controlling system for easy work



Rolling support for work pieces



### URP 02



Double Roller Pressing Unit



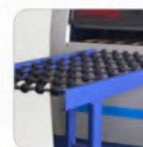
Double Heating Unit



Pneumatic



Controlling system for easy work



Rolling support for work pieces



## HYDRAULIC COLD PRESS UCP 1001

2 CYLINDER

### SALIENT FEATURES

- PLC controller for simultaneous and continuous pressure on work piece.
- Standard accessory for no maintenance like dowty pump crompton & greaves motor etc.
- I-Beam welded structure for long life. • Hydraulic cylinder with imported seals.

### TECHNICAL SPECIFICATIONS

| MODEL                      | UCP 1001             | UCP 1001A            |
|----------------------------|----------------------|----------------------|
| Pressure board dimensions  | 2500x1300mm          | 2500x1300mm          |
| Max. pressure              | 50 tons              | 50 tons              |
| Max. opening               | 1000mm               | 1000mm               |
| Power req.                 | 5 HP                 | 5 HP                 |
| Overall dimensions (LxWxH) | 3000 x 1300 x 3050mm | 3000 x 1300 x 3050mm |
| Cylinder stroke            | 700mm                | 1000mm               |



## HYDRAULIC COLD PRESS UCP 1004

4 CYLINDER

### APPLICATIONS

- Machine suitable for pressing various types of laminations on composite wood, cork board, fibre board, honeycomb board.
- Having various applications for furniture and board lamination industry.

### TECHNICAL SPECIFICATIONS

| MODEL                      | UCP 1004             | UCP 1004A            |
|----------------------------|----------------------|----------------------|
| Pressure board dimensions  | 2500x1300mm          | 2500x1300mm          |
| Max. pressure              | 100 tons             | 100 tons             |
| Max. opening               | 1000mm               | 1000mm               |
| Power req.                 | 5 HP                 | 5 HP                 |
| Overall dimensions (LxWxH) | 3000 x 1450 x 3000mm | 3000 x 1450 x 3000mm |
| Cylinder stroke            | 700mm                | 1000mm               |



## HYDRAULIC COLD PRESS UCP 1005

6 CYLINDER - SINGLE PLATEN



### APPLICATIONS

- Machine suitable for pressing various types of laminations on composite wood, cork board, fibre board, honeycomb board.
- Having various applications for furniture and board lamination industry.

### SALIENT FEATURES

- High pressure and well structure for making doors.
- Single platen.

### TECHNICAL SPECIFICATIONS

| MODEL                      | UCP 1005             | UCP 1005A            |
|----------------------------|----------------------|----------------------|
| Pressure board dimensions  | 2500x1300mm          | 2500x1300mm          |
| Max. pressure              | 150 tons             | 150 tons             |
| Max. opening               | 1000mm               | 1000mm               |
| Power req.                 | 5 HP                 | 5 HP                 |
| Overall dimensions (LxWxH) | 3000 x 1450 x 3000mm | 3000 x 1450 x 3000mm |
| Cylinder stroke            | 700mm                | 1000mm               |

## HYDRAULIC COLD PRESS UCP 1003

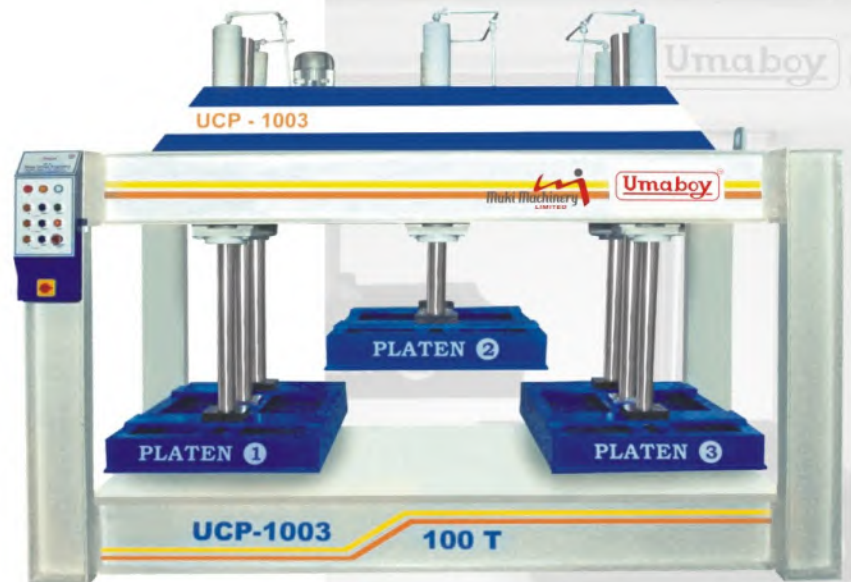
6 CYLINDER THREE PLATEN COLD PRESS

### Salient Features

- 3 Platen for small job, it can operate separately and on same time.
- Rigid construction to take care of thermal distortion.
- Parallel and smooth operation of platens.

### TECHNICAL SPECIFICATIONS

| MODEL                      | UCP 1003             | UCP 1003A            |
|----------------------------|----------------------|----------------------|
| Pressure board dimensions  | 2500x1300mm          | 2500x1300mm          |
| Max. pressure              | 100 tons             | 100 tons             |
| Max. opening               | 1000mm               | 1000mm               |
| Power req.                 | 5 HP                 | 5 HP                 |
| Overall dimensions (LxWxH) | 3000 x 1450 x 3000mm | 3000 x 1450 x 3000mm |
| Cylinder stroke            | 700mm                | 1000mm               |



## HYDRAULIC HOT-COLD PRESS UHP 1002

HOT PRESS

### Applications

- Suitable for pressing and laminating on fibre boards, decorative papers, plywood and other lamination sheets.
- Can be used for particle/MDF/HDF board.



### TECHNICAL SPECIFICATIONS

| MODEL               | UHP 1002              |
|---------------------|-----------------------|
| Size of hot plate   | 2500 x 1300mm         |
| Total thrust        | 100 tons              |
| Cylinders           | 6 Nos                 |
| Piston dia          | 100mm                 |
| Stroke              | 300/450mm             |
| Motor / RPM         | 3 HP/1440             |
| Electric elements   | 18kw                  |
| Heating of machine  | Aluminum              |
| Height of machine   | 1900mm                |
| Movement            | Hydraulic             |
| Mode of heating     | Electric/Oil          |
| Heating temp        | 150°C                 |
| Maximum pressure    | 100kg/cm <sup>2</sup> |
| Job completion time | 5 minutes             |
| Day light           | 350mm                 |
| Press size          | 3600x1550x1900mm      |

### Salient Features

- Uniform temperature through out platen.
- Temperature controller with PLC.
- 6 Hydraulic cylinder.
- Zero maintenance.

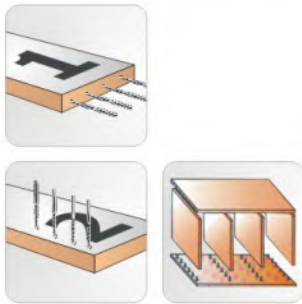
## MULTI-BORING UMB 21

### Single Row Multi-boring Machine

The multi boring machine for accurate and precise operation! Maximum precision when dowel boring with the Umaboy high quality drilling spindels positioned at 32 mm intervals, drills with a maximum diameter of 35 mm can be used, exact rows of holes and dowel bores are guaranteed. The solid steel table, stable fences, pneumatic workpiece clamps and ergonomic operating elements ensure Quality machines.

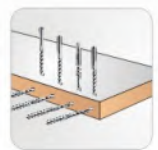
### SALIENT FEATURES

- The imported original drill row, famous & superior original electric appliance.
- The machine tool elements choose the surprise steel materials. They have been heal-treater with high intensity.
- Prompt accurate and convenient operation.



## MULTI-BORING UMB 42

### Two Row Multi-boring Machine



### TECHNICAL SPECIFICATIONS

| MODEL                    | UMB 21 | UMB 42 |
|--------------------------|--------|--------|
| Distance between the bit | 32mm   | 32mm   |
| Horizontal head          |        |        |
| Vertical head            | -      |        |
| Tilting Head             |        |        |
| The quantity of spindle  | 21     | 42     |
| Maximum boring diameter  | 35mm   | 35mm   |
| Maximum panel thickness  | 60mm   | 60mm   |
| Maximum panel width      | 2400mm | 2400mm |
| Minimum panel width      | 200mm  | 200mm  |
| Total power              | 1.5kw  | 3kw    |



Tilting Drilling Head

- Can do accurate hole on surface as well as on edge of board.
- Tilting drilling head can move on 90°



Vertical Boring Head

- 21 drilling bits at 32mm distance.

# MULTI-BORING UMB 63

Three lines Multi-boring Machine

## SALIENT FEATURES

- The machine tool components choose the superior steel materials, they go through the highly and strong heat treatment.
- The moving parts choose the high Grade anti-wear materials.
- They are firm and durable.
- Multi-drill has been elaborately made. It has multiple purposes with high speed and fine accuracy.



- Equipped with one tilting head and two vertical head.
- 21 drilling bit in each head.
- Mainly used for drilling in long board at one time.

## TECHNICAL SPECIFICATIONS

| MODEL                                    | UMB 63                      |
|--|-----------------------------|
| Max. Drilling Diameter                   | Max. =35mm D=13mm           |
| Max. Drilling Depth                      | Max. =60mm                  |
| Total Number of Spindles                 | 21*3=63                     |
| Installation Diameter of Drill Bit Shaft | 10mm                        |
| Max. Center Distance Between Holes       | L Max. *B Max. = 1700*640mm |
| Min Center Distance Between Holes        | L Min. *B Min. = 130*32 mm  |
| Spindle Speed                            | 2840 rpm                    |
| Total Power                              | 4.5kw                       |
| Overall Dimension                        | 3000*2500*1620mm            |
| Weight                                   | 1000kg                      |
| Weight Air Pressure                      | 0.5-0.6mpa                  |

# CNC MACHINING CENTER U-REX 1325

Take action for every shape & size

U-Rex is Umaboy's new solution for nesting applications. The latest technical solutions, the extremely flexible work table and the innovative developments of the loading and unloading systems makes the 3 Axis CNC a very reliable and competitive machine.



Nesting

- Any desired shape can be used with minimum wastage of material.
- Significant time saving.
- Whole process in one working cycle.
- Processed items are immediately ready for processing in an edge bander.

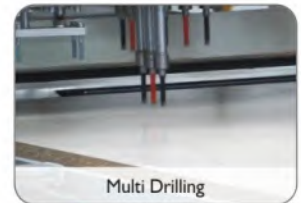


Hardware fitting holes for further process.



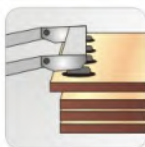
## APPLICATIONS

- Wooden door, cabinet, panel furniture, closet etc.
- Suitable for standard or bespoke production.



Multi Drilling

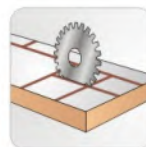
Five horizontal and five vertical drilling bits.



Auto Loading/Unloading



Top Drilling



Cutting



Grooving



Auto Loading-Unloading

Loading/Unloading system carried out automatically which results in time saving.



Cutting

- Cutting process without moving panel.
- Load panel, start processing, no additional manipulation necessary.

## TECHNICAL SPECIFICATIONS

| MODEL                       | UREX 1325   |
|-----------------------------|---|
| Working size                | 1300 x 2500 x 300mm                                   |
| Loading and unloading speed | 10m/min   |
| Transmission                | X/Y helical rack and pinion drive, Z ball screw drive |
| Table structure             | Vacuum  |
| Spindle power               | 9kw   |
| Spindle speed               | 24000r/min  |
| Traverse speed              | 65m/min   |
| Tool magazine               | Circular/Linear                                       |
| Magazine capacity           | 12  |
| Working voltage             | AC420/3PH/50HZ  |

- An entry-level all-rounder, choose your tool changer, linear or carousel, extraordinary solution with competitive price.
- Using world-class components, e.g. 9.0kw ATC spindle, using servo motor driving with reduction gear box for performance and minimum failure.
- Auto loading & unloading system for panel production.
- Versatile functions : Drilling, Cutting, Nesting, Grooving results in maximum production.
- T-slot vacuum table with great absorption strength absorb on multi-zone or clamp with pop-up positioning pin, it is your call.
- Boring aggregate optional.
- German vacuum pump for better vacuum clamping.
- High precision & burr-free cutting.
- Precise helical rack & pinion.
- Automatic lubrication system. (Optional)
- 5 horizontal & 5 vertical drilling system. (Optional)

## CNC DRILLING MACHINE U-VERTIX 249

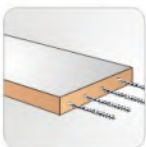
- Unique flexibility and Performance
- This machine used for furniture industries for producing everything from drawers to body parts, furniture fronts and rear walls; in short complete machining of all your products.
- Short cycling times and extreme precision
- Heavy duty structure for maximum machining quality.
- Use the capacity of a full-fledged CNC machining center that takes minimum floor space.
- User-friendly & high productivity.



### TECHNICAL SPECIFICATIONS

| MODEL                                   | U-VERTIX 249          |
|---|-----------------------|
| Max. Length                             | 2400mm                |
| Max. Width                              | 900mm                 |
| Max. Thickness                          | 55mm                  |
| X Axis Max. Speed                       | 40m/min.              |
| Vertical Drilling Amount                | 10 pieces             |
| Spindle Speed                           | 24000 RPM             |
| Combination Grooving Saw Direction Dia. | Ø120mm                |
| Compressed Air Consumption              | 450NI/cycle           |
| Dedusting Speed                         | 30m/sec.              |
| Spindle Power                           | 4.5kw                 |
| Min. Length                             | 200mm                 |
| Min. Width                              | 60mm                  |
| Min. Thickness                          | 10mm                  |
| Y Axis Max. Speed                       | 60m/min.              |
| Horizontal Drilling Amount              | 8 pieces              |
| Combination Grooving Saw Direction      | x                     |
| Grooving Saw Speed                      | 5000 RPM              |
| Dedusting Capacity                      | 2000m <sup>3</sup> /h |

## CNC SIDE DRILLING MACHINE USD 2510



### TECHNICAL SPECIFICATIONS

| MODEL       | USD-2510                    |
|-------------|-----------------------------|
| X Axis      | Rack & Pinion               |
| Y Axis      | Ball Screw                  |
| Voltage     | 220v / 380v                 |
| Spindle     | 3.5kw                       |
| Speed       | 0 - 18000 RPM               |
| Drive Motor | Servo                       |
| Command     | G-Code                      |
| Frame       | Heavy duty welded structure |

Woodworking CNC side hole drilling machine is specially designed for drilling side holes for furniture industries. It is an upgraded machine compared with normal multi heads boring machines. You dont need to hire professional staff to operate this machine. There is easy understanding PLC control system, what you need to do is only input the diameter of the holes, then machine can start to drill automatically.

## CNC ROUTER UCR 1325A

Widely used for engraving, membrane door designing, acrylic carving, decorative panels, wave boards, grill boards etc.

### SALIENT FEATURES

- The machines' body is strong, rigid, high precision, reliable and durable.
- Imported high-precision ball screw gap, smooth movement, to ensure that the machine tools high-precision.
- Using well-known domestic brands of water-cooled brushless spindle, low noise, strong cutting ability, to ensure the long time working.
- High-performance driven motor to ensure that the machines high speed and accuracy
- Designer perfectly, select the best machine accessories, to minimize the failure rate preferred



Rotary attachment for making wooden pillar on same machine (optional)

### TECHNICAL SPECIFICATIONS

| MODEL                 | UCR 1325A                    | UCR 1325B                    |
|-----------------------|------------------------------|------------------------------|
| X, Y working area     | 1300 x 2500mm                | 1300 x 2500mm                |
| Z working area        | 300mm                        | 300mm                        |
| Table size            | 1440 x 3040mm                | 1440 x 3040mm                |
| Lathe structure       | Welded steel structure       | Welded steel structure       |
| X, Y structure        | Rack and pinion transmission | Rack and pinion transmission |
| Z structure           | Ball screw transmission      | Ball screw transmission      |
| Max. Idling speed     | 35m/min                      | 35m/min                      |
| Spindle               | 4.5 kw                       | 4.5 kw                       |
| Spindle speed         | 0-24000r/min                 | 0-24000r/min                 |
| Working mode          | Stepper                      | Stepper                      |
| Command               | G code, HPGL, Uoo. mmg; plt  | G code, HPGL, Uoo. mmg; plt  |
| Operating system      | DSP with USB interface       | DSP with USB interface       |
| Diameter of cutter    | 3.175 - 12.7 mm              | 3.175 - 12.7 mm              |
| Cooling mode          | Air-cooling                  | Air-cooling                  |
| Dust collect function | Yes                          | Yes                          |
| Work holding          | By clamp                     | By suction                   |

This CNC Router, configured with high quality spare parts. It can be used to cut or engrave on plastic, acrylic, composite panel, wood, MDF, aluminum, copper, etc., widely used in advertising and woodworking industries. With hard steel structure, is fit for hard wood working, like cutting and engraving on Rosewood for furniture, indoor decoration. And with the Vacuum holding way and dust collector, the machine is qualified for mass-producing of furniture. We use top quality components for the machines, like HSD spindle, Delta Inverter, Becker Vacuum pump, Hiwin linear and so on, to keep the machine in the best condition even after many years working.

## CNC ROUTER UCR 1325C

### TECHNICAL SPECIFICATIONS

| MODEL                 | UCR 1325C          |
|-----------------------|--------------------|
| X, Y working area     | 1300 x 2500mm      |
| Z working area        | 300mm              |
| Table size            | 1440 x 3500mm      |
| Lathe structure       | Rack and pinion    |
| Max. Idling speed     | 40m/min            |
| Spindle               | 6 kw               |
| Spindle speed         | 0-24000r/min       |
| Working mode          | Servo              |
| Command               | G code, HPGL, U00  |
| Diameter of cutter    | 3.175 - 25.4 mm    |
| Cooling mode          | Air cooling        |
| Dust collect function | Yes                |
| Work holding          | By clamp & suction |



8kw HSD  
Spindle ISO 30



LNC  
Control System

## STONE CUTTING CNC UCR 1325 SS



### TECHNICAL SPECIFICATIONS

| MODEL                 | UCR 1325 SS                     |
|-----------------------|---------------------------------|
| X, Y working area     | 1300 x 2500mm                   |
| Z working area        | 300mm                           |
| Table size            | 1440 x 3040mm                   |
| X, Y structure        | Rack and pinion transmission    |
| Lathe structure       | Seamless welded steel structure |
| Z structure           | Ball screw transmission         |
| Max. Idling speed     | 35m/min                         |
| Spindle               | 6 kw                            |
| Spindle speed         | 0-24000r/min                    |
| Working mode          | Servo                           |
| Command               | G code, HPGL, U00. mmg; plt     |
| Operating system      | NC studio                       |
| Diameter of cutter    | 3.175 - 25.4 mm                 |
| Cooling mode          | Air cooling/Water-cooling       |
| Dust collect function | Yes                             |
| Work holding          | By clamp                        |

### APPLICATIONS

- Stones such as natural marble, granite, artificial stone, headstone, milestone, ceramic tile
- Material : copper, aluminium
- Others : woods density board, plastic board

## VACUUM PRESS UVP 1015

Widely used for making pvc membrane foil door, kitchen shutters, embossing pvc foam sheet & laminate pressing.

### SALIENT FEATURES

- Indian pump like Germany style
- Double rib for airtight seal
- Strip heater / Pipe heater
- Option for double table
- PLC controller



Indian smart pump



Indian pipe heater for long life



## VACUUM PRESS UVP 1010

### SALIENT FEATURES

- Single vacuum pump
- Double rib for air tight seal
- Osram infra-red heater
- Option for double table centralized
- PLC controller

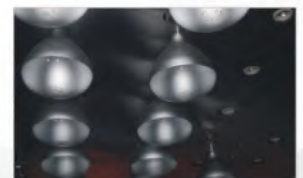


### TECHNICAL SPECIFICATIONS

| MODEL                   | UVP 1010         | UVP 1015         |
|-------------------------|------------------|------------------|
| Working table           | 1                | 2                |
| Working class           | 2500 x 1300mm    | 2500 x 1300mm    |
| Working piece thickness | 80mm             | 80mm             |
| Approximate weight      | 1300kg. (approx) | 1500kg. (approx) |
| Working cycle time      | 3-5 min          | 3-5 min          |
| Application board       | MDF/HDF          | MDF/HDF          |
| Material                | PVC Film         | PVC Film         |
| Power required          | 18 kw            | 20 kw            |



German pump with air filter for out side dust and for long life of pump.



Infra red bulb for direct heat on PVC foil.

## FOUR SIDE MOULDER UFM4/4+1/5/5+1/6/6+1

High productivity and high product quality quick and accurate setup  
Minimum trouble; maximum dependability comprehensive technical service

### SALIENT FEATURES

- Inverter feeds speed of 6-30 m/min.
- Individual motor to each spindle to save maximum power transmission.
- Hard chromed bed blades to minimise bed wear.
- Bottom driven plate rollers for increased feeding performance.
- Manual bed lubrication to reduce friction and improve feeding difficult timbers.
- Sealed safety enclose to reduce noise levels, improve extraction & operator safety

### APPLICATIONS

- Widely used for making door frame & wooden flooring.
- Also used for thickening application of wood.

The Umaboy 4-side moulder provides you significant and measurable productivity gains-no matter how complex your cut. The UFM series 4-side moulder offer you faster, more profitable production on complicated profile. The series of moulder features high feed speed of up to 30 m/min. Each spindle is driven individually by a powerful motor, making the machine ideal for heavy cutting. The entire machine is ruggedly constructed throughout to exhibit the highest stability in high speed machining. The machine is equipped with a high performance plc controller for user – friendly operation.



### TECHNICAL SPECIFICATIONS

| MODEL                         | UFM 4            | UFM 4+1          | UFM 5            | UFM 5+1          | UFM 6            | UFM 6+1          |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Working width Min. & Max.     | 20mm & 230mm     | 20mm & 230mm     | 20mm & 230mm     | 20mm & 230mm     | 20mm & 230mm     | 20mm & 230mm     |
| Working thickness Min. & Max. | 8mm & 120mm      | 8mm & 120mm      | 8mm & 160mm      | 8mm & 160mm      | 8mm & 160mm      | 8mm & 160mm      |
| Number of spindles            | 4                | 4 + 1            | 5                | 5 + 1            | 6                | 6                |
| Spindle speed                 | 6000r/min        | 6000r/min        | 6000r/min        | 6000r/min        | 6000r/min        | 6000r/min        |
| Spindle diameter              | Ø40mm            | Ø40mm            | Ø40mm            | Ø40mm            | Ø40mm            | Ø40mm            |
| Max length cutter block       | 240mm            | 240mm            | 240mm            | 240mm            | 240mm            | 240mm            |
| Total motor power             | 21.5kw/29hp      | 25.57kw/32.7hp   | 35.6kw/48hp      | 44.28kw/59.75hp  | 42.1kw/57hp      | 51.28kw/69.25hp  |
| Overall dimensions            | 3300x1100x1710mm | 3800x1100x1710mm | 3760x1730x1750mm | 4730x1890x1750mm | 4730x1890x1750mm | 5670x1890x1750mm |

# WIDE BELT SANDER UBS 13

We applied all our experience in sanding technology to make this type machine. Its main advantage is high cost performance (good quality and affordable price), this machine is easy to adjust and maintain, our purpose is save you time and cost.



Electric Plant



- Electric plant in the front of machine, includes a main switch, PLC, contactor, breaker and so on.
- Electric plant built on standard CE rules.
- Electric parts adopt Schneider brand.



Electric Plant

Pneumatic plant complete with oil/air nebulizer, solenoid valve air pressure relay and so on. Pneumatic parts adopt Airtac and Chelic brand.



## Technical Specifications

| MODEL                       | Heavy Duty Type  | Standard Type    |
|-----------------------------|------------------|------------------|
| Contact roller diameter     | 240mm            | 240mm            |
| Calibrating roller diameter | 210mm            | 210mm            |
| Working width               | 40-1300mm        | 40-1300mm        |
| Working thickness           | 2.5-150mm        | 2.5-150mm        |
| Feeding speed               | 7-30m/min        | 7-30m/min        |
| First belt speed            | 24m/s            | 24m/s            |
| Second belt speed           | 18m/s            | 18m/s            |
| Sanding belt size           | 1330x2200mm      | 1330x2200mm      |
| Total power                 | 63.62kw          | 39.82kw          |
| First belt motor            | 37kw             | 22kw             |
| Second belt motor           | 22kw             | 15kw             |
| Motor position              | Outside          | Inside           |
| Feeding motor               | 4kw              | 2.2kw            |
| Lift & decline motor        | 0.37kw           | 0.37kw           |
| Brush motor                 | 0.25kw           | 0.25kw           |
| Working pressure            | 0.4-0.8 Mpa      | 0.4-0.8 Mpa      |
| Compressed air consumption  | 1.5CBM/min       | 1.5CBM/min       |
| Overall dimension           | 2300x2650x2120mm | 2300x2000x2120mm |
| Weight                      | 4000kgs          | 3600kgs          |

## PRESSURE UNITS

- Pressure units to hold the work pieces on the conveyor belt; are positioned in front and rear of each working unit; the press rollers with springs to compensate panel thickness difference.
- Pressure units are exposed on both ends, easy to adjust.

## FEED SYSTEM

- Feed table is built in granite with tolerance of planarity within 0.05mm; table surface fine-grinded to avoid wear of the internal side of the feed belt; the granite feed table is never distortion.
- Conveyor belt with surface in rubber at appropriate hardness; top profile according to operation requirement. Drive unit with motor and reducer, feed speed variable in continuous from 7m/min to 30m/min.
- Feed table extension in machine front side with steel idle rollers.

## 1ST WORKING UNIT

- Working unit with diameter 240mm steel sanding roller complete with: sanding belt tension unit; electronic oscillation; dust hood; safety systems.
- Sanding roller with helicoidal grooves for cooling. Motor with one speed of rotation.

## 2ND WORKING UNIT

- Working unit is a combination of rubber roller and pad, with alloy rack, felt, graphite cloth complete with sanding belt tension unit; electronic oscillation; dust hood; safety systems.
- Rubber roller is diameter 210mm and hardness 85 shore. Sanding pad can be adjusted up and down easily. Motor with one speed of rotation. (Air pad is available)

## OPTIONAL DEVICE

- Air jet blower for sanding belt cleaning.
- Italy Cigo conveyor belt.
- Vacuum feed table.
- Customer other's request according to the fact.



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