



Panel Process Technology. **Redefined.**

It's **Powerful**
It's **Precise**
It's **Reliable**
It's **Revolutionary**
It's **Optimus**



For now. Forever.



A Legacy of Trust and Innovating Future

OUR VISION

To grow into Business Power-House that runs on the shared vision of Innovation & Customer Satisfaction.

OUR MISSION

To Design, Manufacture and Service Transformative Solutions for our customers that will help shape the future of the wood working industry, both in India and Internationally.

OUR VALUES

- Trust
- Honesty
- Innovation
- Quality

OPTIMAL SOLUTIONS TO GIVE YOU COMPETITIVE EDGE

- Optimum precision, efficiency, high speed and operating comfort
- 100% Repetition accuracy, maximum productivity and superior finish at industrial level
- Sturdy design with premium components
- Complete engineering precision in mfg.
- Low maintenance cost
- Best after sales service and spares support

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BEAM SAW SERIES



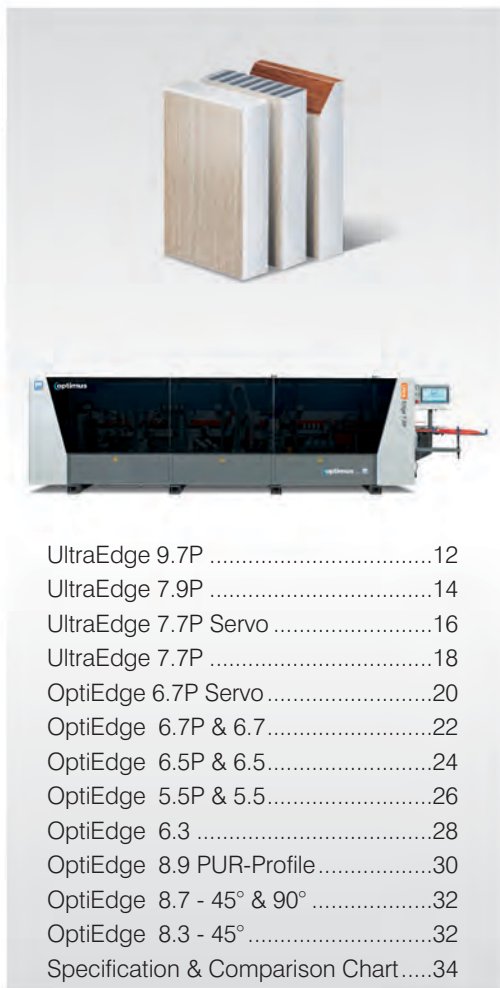
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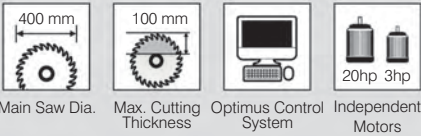
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Note : • Due to continuous product improvement the technical specifications are subject to change without prior information. • Some accessories shown fitted in the machine may not be part of Standard accessories

Optimus® OptiCut 2.9 (auto) High Speed Beam Saw



Scan for Video



Large size floating tables



Pneumatic side aligner



Optimization software



Lable printer



Maximum cutting thickness up to 100 mm.



Heavy duty pneumatic suspension grippers



High precision automatic servo drive system



Salient Features :

- Robust, Balanced, Fast & Heavy Duty **Four Point Support of Saw Carriage Unit with servo motor** ensuring maximum stability. Specially designed technologies to guarantees balanced force distribution during operation for optimal cutting results.
- **Smart saw carriage positioning** : Automatically positions itself based on panel width to minimize travel distance and improve cutting efficiency.
- **Saw carriage precision machining after welded steel plate structure:** Ensures high accuracy.
- **Table surface made of chrome-plated steel plate** : Ensures excellent cutting results without scratching the panel.
- **First air flotation table length of 2,800 mm** : Suitable for processing panels of various sizes.
- **Intelligent pressure beam lifting** : Automatically adjusts lifting height **up to 100 mm** based on panel thickness, **improving cutting efficiency by 25%.**
- **PC control system** : Easy, safe, and reliable operation with complete operational instructions and troubleshooting guidance. It allows editing and management of cutting plans and tasks, as well as simulation of cutting processes.
- **PC control system compatibility** : Integrated with various cutting optimization software, barcode management systems, and factory automation systems.
- **Easy change of saw blades.**
- **Automatic lubrication system** ensures efficient operation and increase life of parts.

Specifications	OptiCut 2.9	OptiCut 3.3
Max. cutting length	2900 mm	3300 mm
Max. cutting thickness	100 mm	100 mm
Min. panel size	50 x 30 mm	50 x 30 mm
Saw carriage forward speed.....	5-80 m / min	5-80 m / min
Saw carriage backward speed.....	5-100 m / min	5-100 m / min
No. of grippers	7	8
Main saw blade size	400Ø x 75Ø mm	400Ø x 75Ø mm
Speed of main saw blade.....	4000 rpm	4000 rpm
Main saw motor	20 hp	20 hp
Scoring saw blade size	160Ø x 45Ø mm	160Ø x 45Ø mm
Speed of scoring saw blade.....	6500 rpm	6500 rpm
Scoring saw motor	3 hp	3 hp
Auto feeding motor (AC servo)	2.4 hp	2.4 hp
Feeding speed	100 m / min	100 m / min
Saw carriage drive motor.....	2.4 hp	2.4 hp
High pressure blower motor	3 hp	3 hp
Working air pressure	5~7 Kg / cm²	5~7 Kg / cm²
Total power.....	30.8 hp	30.8 hp
M/c. dimension (L x B x H) ...	6000 x 5000 x 1890 mm	7100 x 5560 x 1850 mm
Approx. net weight	4200 kg	4600 kg



Beam Saws



Panel Saws



Edge Banders



CNC Borings



Drillings



CNC Nesting

Optimus® OptiSaw 3.2 CNC Panel Saw

UPGRADED



Sliding Table Size
3200 435

Ø 355 x 30 mm
Ø 120 x 20 mm

45° TILT
Degree

3000 / 4000 / 5000 RPM

OptiSaw Control System

7.5hp 1hp
Independent Motors

Motorized up and down movement

Motorized 45° tilting

Servo driven fence with electronics programs

Optimization software



Salient Features :

- Equipped with Cutting **Optimization Software**. Simple to use & gives precise operation with maximum productivity.
- **Motorized up and down movement** for main saw and scoring saw.
- **Motorized 45° tilting** for main saw unit.
- **Servo driven fence** with electronics programs
- **Central lubrication system** facilitates smooth & precise movement.

Specifications OptiSaw 3.2 CNC

Sliding table	
Sliding table length	3200 mm
Sliding table width.....	435 mm
Main saw unit	
Max. diameter saw blade	355 x 30 mm
Saw blade speed.....	3000 / 4000 / 5000 rpm
Tilting of saw blade	90°- 45° (auto)
Up-down movement of saw blade.....	auto
Motor for saw blade	7.5 hp
Scoring saw unit	
Max. diameter scoring blade	120 x 20 mm
Scoring blade speed	8000 rpm
Tilting of scoring blade.....	90°- 45° (auto)
Lateral adjustment of scoring blade	± 3 mm
Max. depth of cut of scoring blade.....	5 mm
Motor for scoring unit.....	1 hp
Other specifications	
Cutting width / rip capacity	1300 mm
Length cross-cut fence	2000 mm (telescopes to 3200 mm)
Dust extraction port diameter	100 mm
Total power	10.6 hp
M/c. dimension (L x B x H)	3400 x 3750 x 1800 mm
Approx. net weight	1300 kg



Smooth & powerful saw unit
base on linear guide bearings for maintenance free operations



Servo driven motorized rip-fence
Guarantees precise adjustment with high accuracy



Label printer supplied as standard.

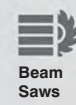
(Optional)



Digital Read Out (DRO-F)
DRO displays the job length with precision

10 Years*

*10 Years warranty on sliding table.



Optimus® OptiSaw 3.2 (auto) Panel Saw



Scan for Video



Sliding Table
Size



Ø 355 x 30 mm
Ø 120 x 20 mm



45°
TILT



3000 / 4000 /
5000 RPM



Independent
Motors



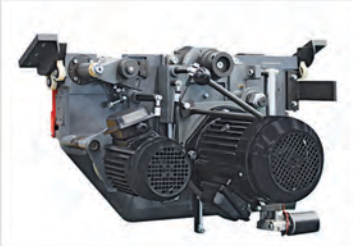
Motorized up and down
movement



Motorized 45° tilting



Servo driven fence with
electronics programs



Smooth & powerful saw unit
base on linear guide bearings for
maintenance free operations



Servo driven motorized rip-fence
Guarantees precise adjustment with
high accuracy

(Optional)



Digital Read Out (DRO-F)
DRO displays the job length with
precision

10
Years*

*10 Years warranty
on sliding table.

Salient Features :

- **Sturdily built heavy duty** m/c that gives perfection with every cut.
- Heavy duty **precision sliding table**.
- **Eye-level operating panel** for the ease of operation.
- **Easy & quick scoring unit** up-down movement & lateral adjustment.
- **Central lubrication system** facilitates smooth & precise movement.

Specifications OptiSaw 3.2 (Auto)

Sliding table	
Sliding table length	3200 mm
Sliding table width.....	435 mm
Main saw unit	
Max. diameter saw blade	355 x 30 mm
Saw blade speed.....	3000 / 4000 / 5000 rpm
Tilting of saw blade	90°- 45° (auto)
Up-down movement of saw blade.....	auto
Motor for saw blade	7.5 hp
Scoring saw unit	
Max. diameter scoring blade	120 x 20 mm
Scoring blade speed	8000 rpm
Tilting of scoring blade.....	90°- 45° (auto)
Lateral adjustment of scoring blade	± 3 mm
Max. depth of cut of scoring blade.....	5 mm
Motor for scoring unit.....	1 hp
Other specifications	
Cutting width / rip capacity	1250 mm
Length cross-cut fence	2000 mm (telescopes to 3200 mm)
Dust extraction port diameter	100 mm
Total power	9.6 hp
M/c. dimension (L x B x H)	3400 x 3750 x 1800 mm
Approx. net weight	1300 kg

Optimus® OptiSaw 3.2 Panel Saw



Scan for Video

Sliding Table
Size

Ø 355 x 30 mm
Ø 120 x 20 mm

45°
TILT

3000 / 4000 /
5000 RPM

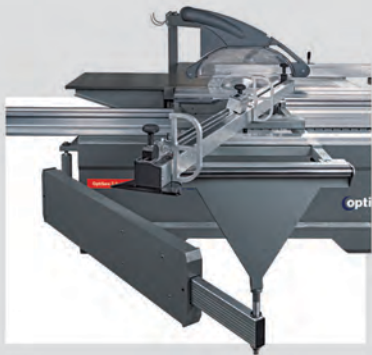
7.5hp 1hp
Independent
Motors



Motorized up and down
movement



Smooth & powerful saw unit
base on linear guide bearings for
maintenance free operations



Sturdy frame with telescopic fence
Panels can be squared & cut at an angle
up to 45° on both sides of the table.

(Optional)



Digital Read Out (DRO-F)
DRO displays the job length with precision



Digital Read Out (DRO-R)

10
Years*

*10 Years warranty
on sliding table.

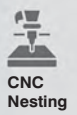


Salient Features :

- **Sturdily built heavy duty** m/c that gives precise cut with chip free cutting.
- **Lifting of saw unit from control panel** and tilting of saw unit by means of hand wheel.
- **User friendly control panel** with electronic digital readout of saw unit tilt.
- **Easy & quick scoring unit** up-down movement & lateral adjustment.
- **Central lubrication system** facilitates smooth & precise movement.

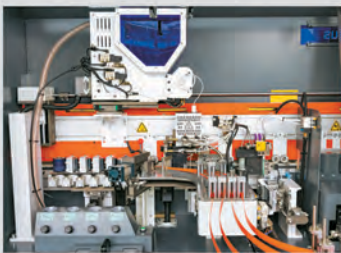
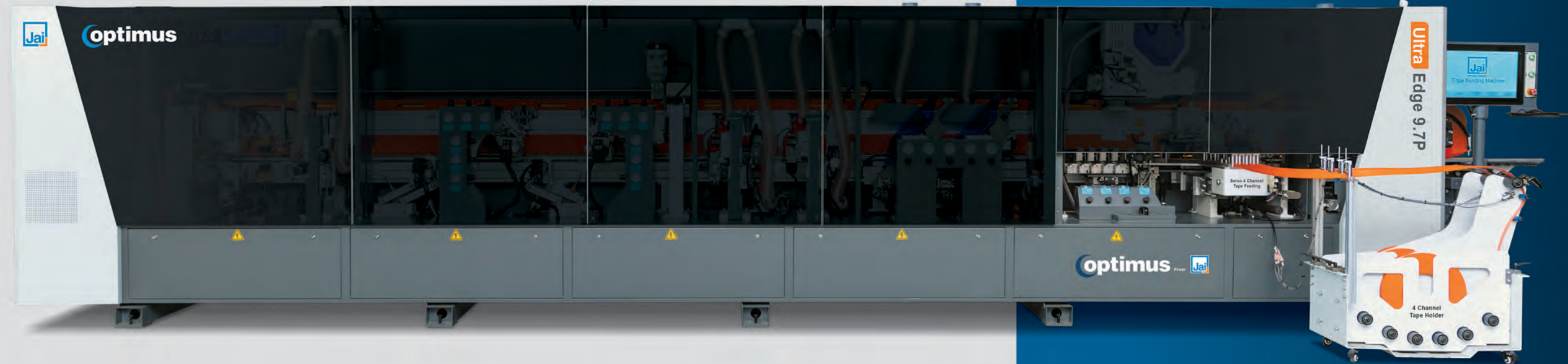
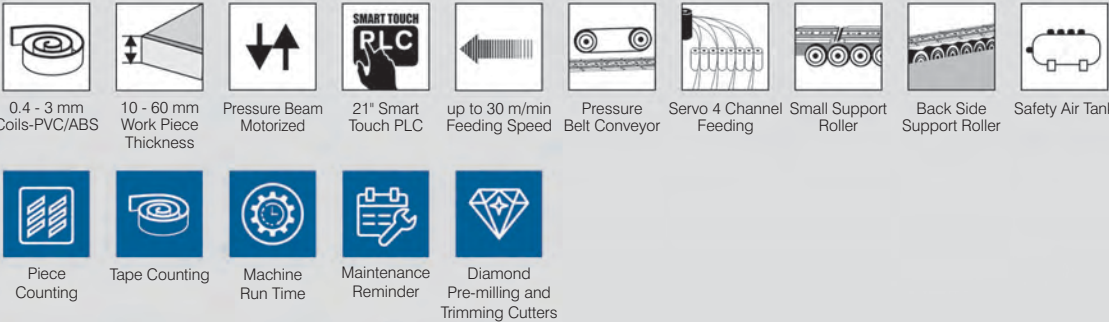
Specifications OptiSaw 3.2

Sliding table	
Sliding table length	3200 mm
Sliding table width.....	410 mm
Main saw unit	
Max. diameter saw blade	355 x 30 mm
Saw blade speed.....	3000 / 4000 / 5000 rpm
Tilting of saw blade	90°- 45° (manual)
Up-down movement of saw blade.....	auto
Motor for saw blade	7.5 hp
Scoring saw unit	
Max. diameter scoring blade	120 x 20 mm
Scoring blade speed	8000 rpm
Tilting of scoring blade.....	90°- 45° (manual)
Lateral adjustment of scoring blade	± 3 mm
Max. depth of cut of scoring blade.....	5 mm
Motor for scoring unit.....	1 hp
Other specifications	
Cutting width / rip capacity	1250 mm
Length cross-cut fence	2000 mm (telescopes to 3200 mm)
Dust extraction port diameter	100 mm
Total power	8.5 hp
M/c. dimension (L x B x H)	3400 x 3550 x 1500 mm
Approx. net weight	1000 kg



Optimus® **Ultra** Edge 9.7P High Speed Auto Edge Bander

NEW



Top Glue Tank With Quick Melting Device Along With Bottom Glue Tank



Pressure Belt Conveyor



Servo 4 Channel Feeding



In-feed Plate with Roller for Easy Feeding



Narrow Piece Feeding System

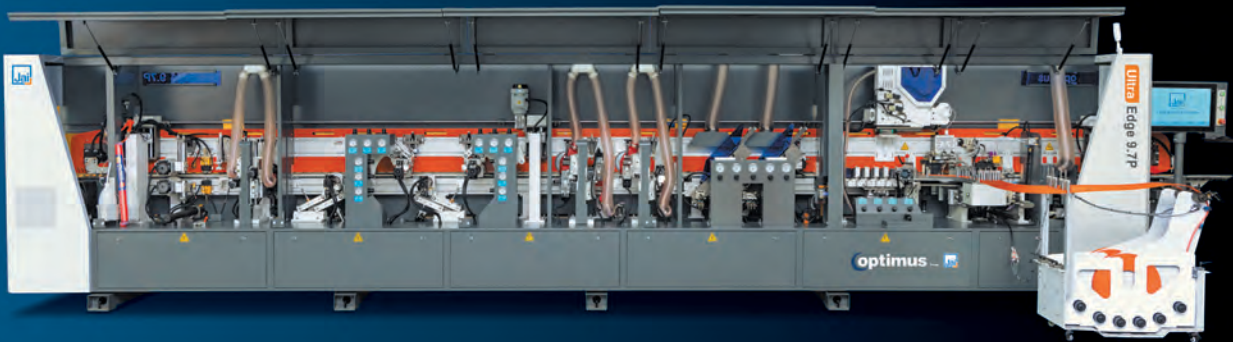


Salient Features :

- Complete stability even at maximum feeding speed of **30 m/min** due to robust machine structure.
- User friendly **21" Smart Touch PLC control panel**.
- Belt conveyor feeding, double end cutting and 4 motor round cornering for faster speed.
- **Top Glue Tank with Quick Melting Device** to reduce glue wastage & can use for PUR glue as option.
- **6 Pressure Rollers with Scraper** for perfect pressing with both glue tanks.
- Combination of **Rough & Fine Trimming Unit** enables better finish on edge.
- **Diamond Cutters** for **Pre-Milling & Trimming**.
- **Heavy Duty Pillar Type Round Cornering Unit**.
- **Glue Scraping unit** for Ultra fine finish.
- **Clip-Out Unit** to remove scrapping waste.
- **Small Support Rollers** provided for better stability on panel with holes.
- Encoder for edge banding tape measurement Overall meter run **(OMR)**.
- Heavy Duty **Gear Box & Motor** for conveyor.
- **Safety Air Tank** provision for non-dropping of air during process.



Optional : PUR



Beam Saws



Panel Saws



Edge Banders



CNC Borings



Drillings



CNC Nesting

Optimus® **Ultra** Edge 7.9P High Speed Auto Edge Bander

NEW



0.4 - 3 mm
Coils-PVC/ABS



10 - 60 mm
Work Piece
Thickness



Pressure Beam
Motorized



15" Smart
Touch PLC



up to 25 m/min
Feeding Speed



Small Support
Roller



Back Side
Support Roller



Safety Air Tank



Piece
Counting



Tape Counting



Machine
Run Time



Maintenance
Reminder



Diamond
Pre-milling and
Trimming Cutters



Pre-Separation
Spray



Pre-Milling



Pre-Heating



Bottom
Gluing



Quick Melt
Top Gluing



Banding



Edge
Cutting



End Cutting



Rough
Trimming



Fine
Trimming



2 Motor
Round Cornering



Edge
Scraping



Clip Out



Glue
Scraping



Cleaning
Agent



Buffing

Salient Features :

- Complete stability even at maximum feeding speed of **25 m/min** due to robust machine structure.
- User friendly **15" Smart Touch PLC** control panel.
- **Top Glue Tank with Quick Melting Device** to reduce glue wastage & can use for PUR glue as option.
- **6 Pressure Rollers with Scraper** for perfect pressing.
- Combination of **Rough & Fine Trimming Unit** enables better finish on edge.
- **Diamond Cutters** for **Pre-Milling & Trimming**.
- **Heavy Duty** Pillar Type **Round Cornering Unit**.
- **Glue Scraping** unit for Ultra fine finish.
- **Clip-Out Unit** to remove scrapping waste.
- Feeding mechanism for small workpiece.
- **Small Support Rollers** provided for better stability on panel with holes.
- Encoder for edge banding tape measurement Overall meter run **(OMR)**.
- Heavy Duty **Gear Box & Motor** for conveyor.
- **Safety Air Tank** provision for non-dropping of air during process.



Top Glue Tank With Quick Melting Device Along With Bottom Glue Tank



Rough + Fine Trimming



Glue Scraping & Clip-Out Unit



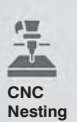
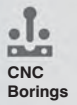
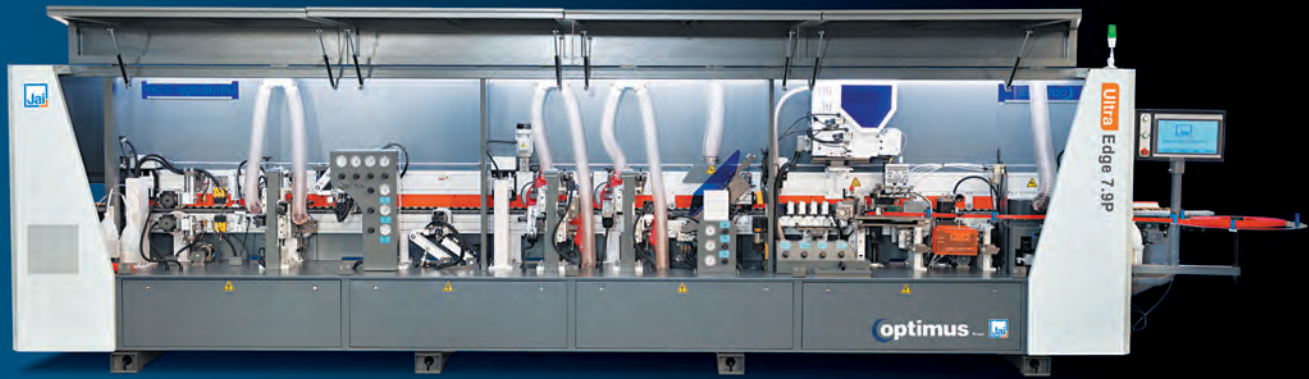
In-feed Plate with Roller for Easy Feeding



Narrow Piece Feeding System



Optional : PUR



Optimus®

Ultra

Edge 7.7P

Servo

High Speed Auto Edge Bander

NEW

0.4 - 3 mm
Coils-PVC/ABS

10 - 60 mm
Work Piece
Thickness

Pressure Beam
Motorized

21" Smart
Touch PLC

up to 25 m/min
Feeding Speed

Small Support
Roller

Back Side
Support Roller

Safety Air Tank

Servo Control

Piece
Counting

Tape Counting

Machine
Run Time

Maintenance
Reminder

Diamond
Pre-milling and
Trimming Cutters



Servo Controlled
6 Pressure Rollers with
Scraper

Servo Controlled
Fine Trimming

Servo Controlled
Round Cornering

Servo Controlled
Edge Scrapping

Glue Scrapping
& Clip-Out Unit

In-feed Plate with Roller
for Easy Feeding

Narrow Piece
Feeding System

Pre-Separation
Spray

Pre-Milling

Pre-Heating

Bottom
Gluing

Banding

Edge
Cutting

End Cutting

Rough
Trimming

Fine
Trimming

2 Motor
Round Cornering

Edge
Scrapping

Clip Out

Glue
Scrapping

Cleaning
Agent

Buffing

Salient Features :

- Complete stability even at maximum feeding speed of **25 m/min** due to robust machine structure.
- User friendly **21" Smart Touch PLC** control panel.
- Automatic servo motor control adjustment for feeding, pressing, fine trimming, round cornering and scrapping.
- **6 Pressure Rollers with Scraper** for perfect pressing.
- Combination of **Rough & Fine Trimming Unit** enables better finish on edge.
- **Diamond Cutters** for **Pre-Milling & Trimming**.
- **Heavy Duty** Pillar Type **Round Cornering Unit**.
- **Glue Scrapping** unit for Ultra fine finish.
- **Clip-Out Unit** to remove scrapping waste.
- Feeding mechanism for small workpiece.
- **Small Support Rollers** provided for better stability on panel with holes.
- Encoder for edge banding tape measurement Overall meter run **(OMR)**.
- Heavy Duty **Gear Box & Motor** for conveyor.
- **Safety Air Tank** provision for non-dropping of air during process.



Optional : PUR



Optimus® **Ultra** Edge 7.7P High Speed Auto Edge Bander



0.4 - 3 mm
Coils-PVC/ABS



10 - 60 mm
Work Piece
Thickness



Pressure Beam
Motorized



15" Smart
Touch PLC



up to 25 m/min
Feeding Speed



Small Support
Roller



Back Side
Support Roller



Safety Air Tank



Piece
Counting



Tape Counting



Machine
Run Time



Maintenance
Reminder



Diamond
Pre-milling and
Trimming Cutters



6 Pressure Rollers with Scraper



Rough + Fine Trimming



Glue Scrapping & Clip-Out Unit



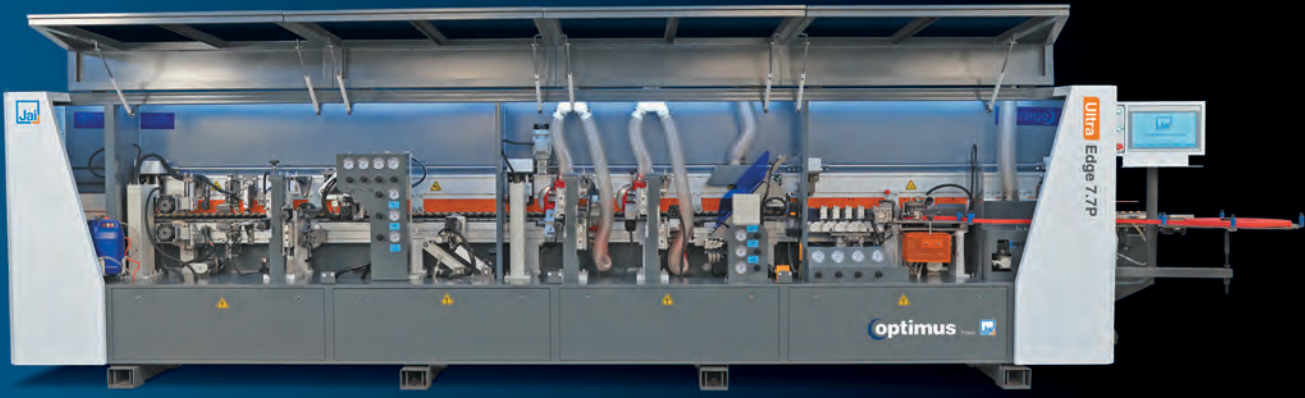
In-feed Plate with Roller for Easy Feeding



Narrow Piece Feeding System



Optional : PUR





Pre-Separation
Spray



Pre-Milling



Pre-Heating



Bottom
Gluing



Banding



Edge
Cutting



End Cutting



Rough
Trimming



Fine
Trimming



2 Motor
Round Cornering



Edge
Scraping



Clip Out



Glue
Scraping



Cleaning
Agent



Buffing

Salient Features :

- Complete stability even at maximum feeding speed of **25 m/min** due to robust machine structure.
- User friendly **15" Smart Touch PLC** control panel.
- **6 Pressure Rollers with Scraper** for perfect pressing.
- Combination of **Rough & Fine Trimming Unit** enables better finish on edge.
- **Diamond Cutters** for **Pre-Milling & Trimming**.
- **Heavy Duty** Pillar Type **Round Cornering Unit**.
- **Glue Scrapping** unit for Ultra fine finish.
- **Clip-Out Unit** to remove scrapping waste.
- Feeding mechanism for small workpiece.
- **Small Support Rollers** provided for better stability on panel with holes.
- Encoder for edge banding tape measurement Overall meter run **(OMR)**.
- Heavy Duty **Gear Box & Motor** for conveyor.
- **Safety Air Tank** provision for non-dropping of air during process.

Optimus® OptiEdge 6.7P **Servo** High Speed Auto Edge Bander

NEW



0.4 - 3 mm
Coils-PVC/ABS



10 - 60 mm
Work Piece
Thickness



Pressure Beam
Motorized



21" Smart
Touch PLC



up to 25 m/min
Feeding Speed



Small Support
Roller



Safety Air Tank



Servo Control



Piece
Counting



Tape Counting



Machine
Run Time



Maintenance
Reminder



Diamond
Pre-milling and
Trimming Cutters





Pre-Separation
Spray



Pre-Milling



Pre-Heating



Bottom
Gluing



Banding



Edge
Cutting



End Cutting



Rough
Trimming



Fine
Trimming



2 Motor
Round Cornering



Edge
Scraping



Glue
Scraping



Cleaning
Agent



Buffing

Salient Features :

- Complete stability even at maximum feeding speed of **25 m/min** due to robust machine structure.
- User friendly **21" Smart Touch PLC** control panel.
- Automatic servo motor control adjustment for feeding, pressing, fine trimming, round cornering and scrapping.
- **4 Pressure Rollers with Scraper** for perfect pressing.
- **Pre-Heating** helps in better edge banding by removing moisture from panel.
- Combination of **Rough & Fine Trimming Unit** enables better finish on edge.
- **Diamond Cutters** for **Pre-Milling & Trimming Unit**.
- **Glue Scrapping** unit for Ultra fine finish.
- **Small Support Rollers** provided for better stability on panel with holes.
- Encoder for edge banding tape measurement Overall meter run **(OMR)**.
- Heavy Duty **Gear Box & Motor** for conveyor.
- **Safety air tank** provision for non-dropping of air during process.
- **Low maintenance** m/c, easily available cost effective spares, best after sales service support.



Servo Controlled 4 Pressure Rollers with Scraper



Servo Controlled Fine Trimming



Servo Controlled Round Cornering



Servo Controlled Edge Scraping



Glue Scrapping



Optional : PUR



Optimus® OptiEdge 6.7P High Speed Auto Edge Bander

OptiEdge 6.7 without Pre-Milling also available



0.4 - 3 mm
Coils-PVC/ABS



10 - 60 mm
Work Piece
Thickness



Pressure Beam
Motorized



SMART TOUCH
PLC



up to 25 m/min
Feeding Speed



Small Support
Roller



Safety Air Tank



Piece
Counting



Tape Counting



Machine
Run Time



Maintenance
Reminder

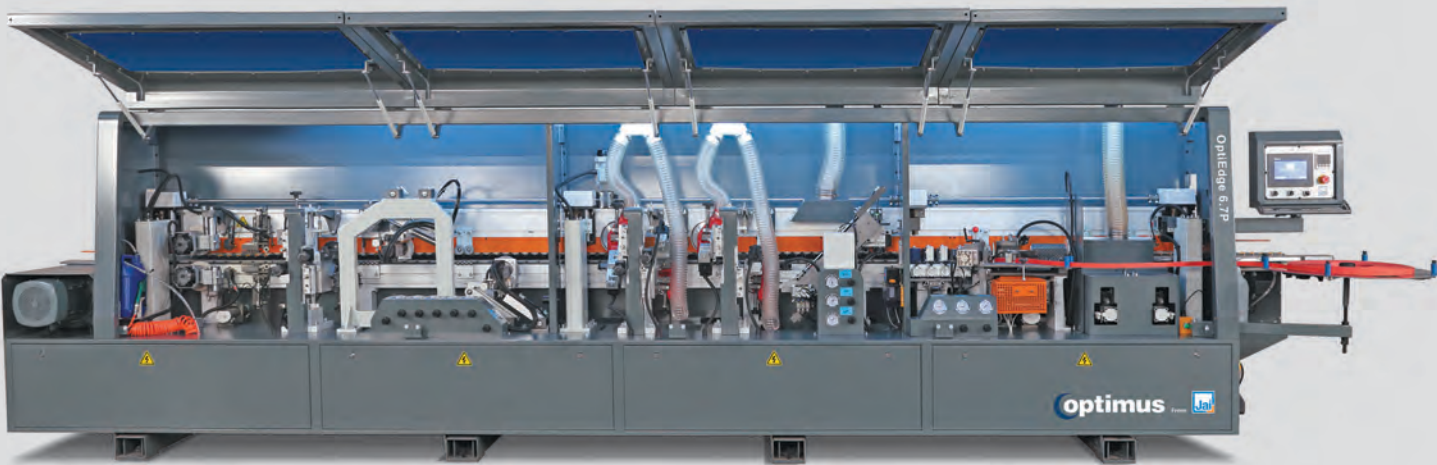


Diamond
Pre-milling and
Trimming Cutters

UPGRADED



Scan for Video





Pre-Separation
Spray



Pre-Milling



Pre-Heating



Bottom
Gluing



Banding



Edge
Cutting



End Cutting



Rough
Trimming



Fine
Trimming



2 Motor
Round Cornering



Edge
Scraping



Glue
Scraping



Cleaning
Agent



Buffing

Salient Features :

- Complete stability even at maximum feeding speed of **25 m/min** due to robust machine structure.
- User friendly **Smart Touch PLC** control panel.
- **4 Pressure Rollers with Scraper** for perfect pressing.
- **Pre-Heating** helps in better edge banding by removing moisture from panel.
- Combination of **Rough & Fine Trimming Unit** enables better finish on edge.
- **Diamond Cutters** for **Pre-Milling & Trimming Unit**.
- **Glue Scraping** unit for Ultra fine finish.
- **Small Support Rollers** provided for better stability on panel with holes.
- Encoder for edge banding tape measurement
Overall meter run **(OMR)**.
- Heavy Duty **Gear Box & Motor** for conveyor.
- **Safety air tank** provision for non-dropping of air during process.
- **Low maintenance** m/c, easily available cost effective spares, best after sales service support.



4 Pressure Roller with Scraper



Rough + Fine Trimming



Glue Scraping



Small Support Roller



Optional : PUR



Optimus® OptiEdge 6.5P High Speed Auto Edge Bander

OptiEdge 6.5 without Pre-Milling also available



0.4 - 3 mm
Coils-PVC/ABS



10 - 60 mm
Work Piece
Thickness



Pressure Beam
Motorized



SMART TOUCH
PLC



up to 25 m/min
Feeding Speed



Small Support
Roller



Safety Air Tank



Piece
Counting



Tape Counting



Machine
Run Time



Maintenance
Reminder



Diamond
Pre-milling and
Trimming Cutters

UPGRADED





Pre-Separation
Spray



Pre-Milling



Pre-Heating



Bottom
Gluing



Banding



Edge
Cutting



End Cutting



Fine
Trimming



2 Motor
Round Cornering



Edge
Scraping



Glue
Scraping



Cleaning
Agent



Buffing

Salient Features :

- Complete stability even at maximum feeding speed of **25 m/min** due to robust machine structure.
- User friendly **Smart Touch PLC** control panel.
- **4 Pressure Rollers with Scraper** for perfect pressing.
- **Pre-Heating** helps in better edge banding by removing moisture from panel.
- **Diamond Cutters** for **Pre-Milling & Trimming Unit**.
- **Glue Scrapping** unit for Ultra fine finish.
- **Small Support Rollers** provided for better stability on panel with holes.
- Encoder for edge banding tape measurement Overall meter run **(OMR)**.
- Heavy Duty **Gear Box & Motor** for conveyor.
- **Safety air tank** provision for non-dropping of air during process.
- **Low maintenance** m/c, easily available cost effective spares, best after sales service support.



4 Pressure Roller with Scraper



Fine Trimming



Edge Scraping



Glue
Scraping



Small Support
Roller



Safety Air Tank for Non-Dropping of
Air During Process



Optimus® OptiEdge 5.5P High Speed Auto Edge Bander

OptiEdge 5.5 without Pre-Milling also available



0.4 - 3 mm
Coils-PVC/ABS



10 - 60 mm
Work Piece
Thickness



Pressure Beam
Motorized



SMART TOUCH
PLC



up to 25 m/min
Feeding Speed



Safety Air Tank



Piece
Counting



Tape Counting



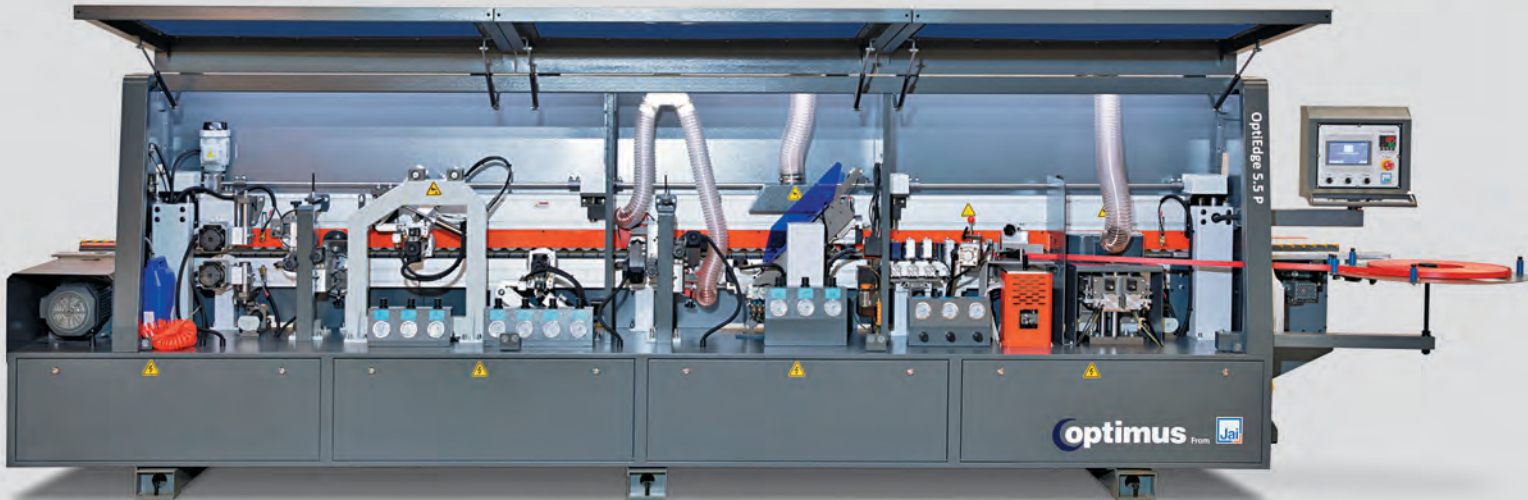
Machine
Run Time



Maintenance
Reminder



Diamond
Pre-milling and
Trimming Cutters





Pre-Separation
Spray



Pre-Milling



Pre-Heating



Bottom
Gluing



Banding



Edge
Cutting



End Cutting



Fine
Trimming



2 Motor
Round Cornering



Edge
Scraping



Cleaning
Agent



Buffing

Salient Features :

- Complete stability even at maximum feeding speed of **25 m/min** due to robust machine structure.
- User friendly **Smart Touch PLC** control panel.
- **4 Pressure Rollers** for perfect pressing.
- **Diamond Cutters** for **Pre-Milling & Trimming Unit**.
- Encoder for edge banding tape measurement Overall meter run **(OMR)**.
- Heavy Duty **Gear Box & Motor** for conveyor.
- **Safety Air Tank** provision for non-dropping of air during process.
- **Low maintenance** m/c, easily available cost effective spares, best after sales service support.



4 Pressure Roller with Scraper



End Cutting



Fine Trimming



Edge Scraping



Safety Air Tank for Non-Dropping of Air During Process



Optimus® OptiEdge 6.3 High Speed Auto Edge Bander



0.4 - 3 mm
Coils-PVC/ABS



10 - 60 mm
Work Piece
Thickness



Pressure Beam
Motorized



Smart
Touch PLC



up to 25 m/min
Feeding Speed



Piece
Counting



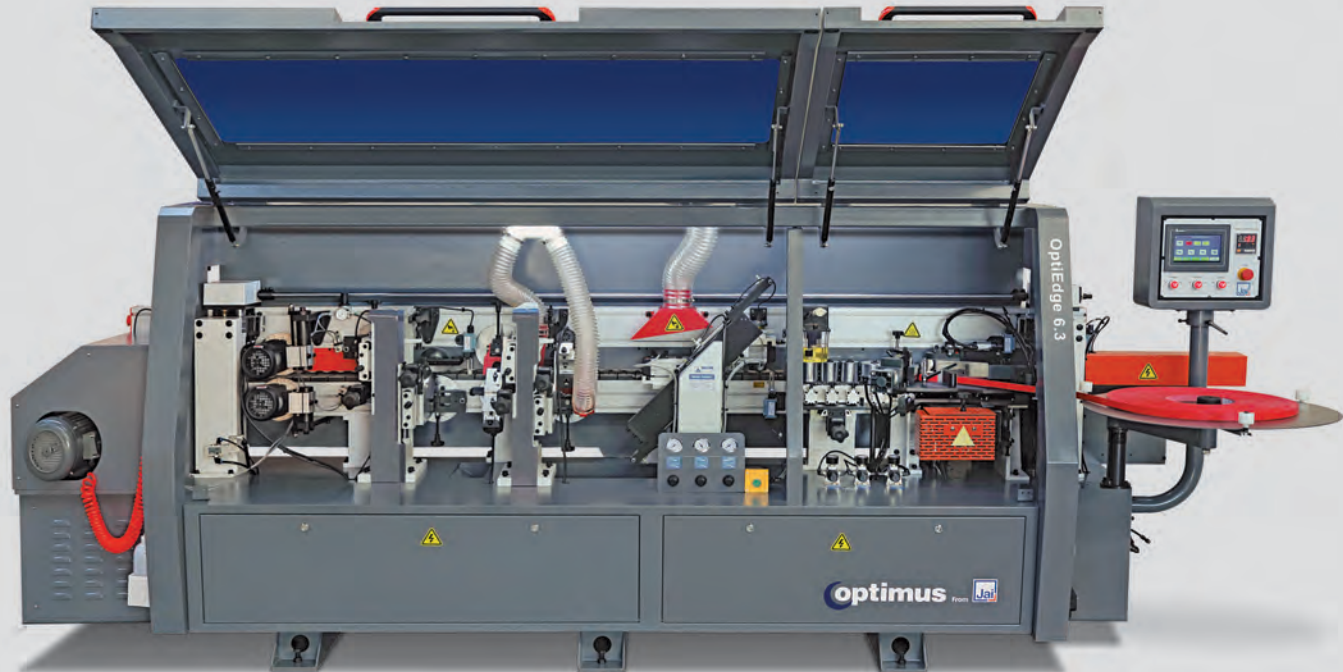
Machine
Run Time



Maintenance
Reminder



Diamond
Pre-milling and
Trimming Cutters





Pre-Heating



Bottom
Gluing



Banding



Edge
Cutting



End Cutting



Fine
Trimming



Edge
Scraping



Cleaning
Agent



Buffing

- Salient Features :**
- Complete stability even at maximum feeding speed of **25 m/min** due to robust machine structure.
 - User friendly **Smart Touch PLC** control panel.
 - **4 Pressure Rollers with Scraper** for perfect pressing.
 - **Pre-heating** helps in better edge banding by removing moisture from panel.
 - **Diamond Cutters** for **Trimming Unit**.
 - Heavy Duty **Gear Box & Motor** for conveyor.
 - **Low maintenance** m/c, easily available cost effective spares, best after sales service support.



4 Pressure Roller with Scraper



Gluing, Banding, Edge Cutting



End Cutting



Fine Trimming



Edge Scraping



Optimus® OptiEdge 8.9 PUR

Auto Profile Edge Bander



Edge Banding
Tape Thickness
0.6 - 0.8 mm
Width - 55 mm

18 - 25 mm
Work Piece
Thickness

Pressure Beam
Motorized

15" Smart
Touch PLC

up to 8 m/min
Feeding Speed

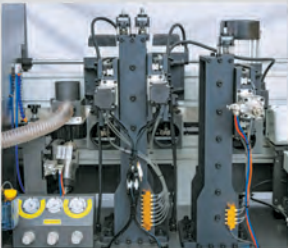
Safety Air Tank



Profiles :



Pre-Milling



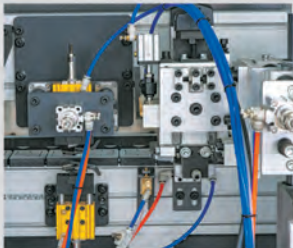
Bevel, Straight and Fine
Pre-Milling



Bevel and Straight Pressing Unit



End Cutting & Trimming



Scrapping Unit

Pre-Milling

Bevel & Straight
Pre-Milling

Fine
Milling

Chamfering

Pre-Heating

Bottom
Gluing

Edge Tape
Grooving

Bevel & Straight
Pressing

Profile
Pressing

Trimming for
Profile

End Cutting

Trimming

Cleaning
Agent

Glue
Scraping

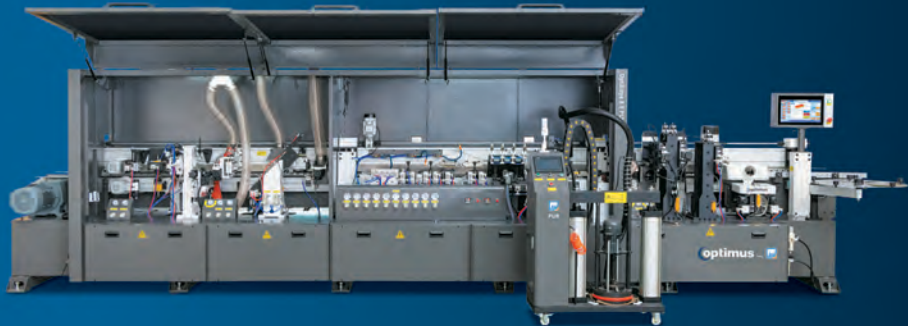
Buffing

Specifications OptiEdge 8.9 PUR

Workpiece thickness range	18 - 25 mm
Workpiece size width-length	150 - 300 mm
Edge banding width	55 mm
Edge banding thickness	0.6 - 0.8 mm
Work piece feeding speed	8 m / min
Total no. of profiles	9
Pre-milling motor power	2 x 2.2 kw
Bevel & straight pre-milling	4 kw
Fine-milling motor power	2 x 6 kw
Chamfering motor power	0.8 kw
Trimming for profile motor power	1.1 kw
End cutting motor power	2 x 0.5 kw
Compressed air required	6 to 8 kg / cm²
Power supply	380 V
Total power	57 hp
M/c. dimension (L x B x H)	7260 x 1320 x 1850 mm
Approx. net weight	2500 kg

Salient Features :

- It is a fully automatic soft forming edge banding machine.
- User friendly **15" Smart Touch PLC** control panel.
- It is independently developed and designed with a new type of reverse linkage PUR glue pot. The PUR glue is specially used for forming, bonding and sealing the edges, making it more stable.
- It is equipped with precise mold clamping, with an accuracy error of no more than 0.5 millimeters.
- Heavy-duty beam transmission ensures a smoother processing process.
- The touchscreen enables intelligent control, with each function being switched with just one click.
- The processing speed can reach 8m/min.
- All components are assembled with high-end brand products, ensuring the equipment's stability and its ability to adapt to production and operation in high, low temperature climates and other harsh environments.
- This machine features good stability, high efficiency, precise processing, and convenient controls.



PUR Unit Supplied
as Standard



OptiEdge 8.3

Specialized 45° Edge Bander



45° Edge:
0.4 - 1.5 mm
Coils-PVC/ABS



45° Edge:
15 - 25 mm
Work Piece
Thickness



Pressure Beam
Motorized



SMART TOUCH
PLC



12 m/min
Feeding Speed

OptiEdge 8.7

Specialized 45° & 90° Edge Bander
with Round Cornering



90° Edge:
0.4 - 3 mm
45° Edge:
0.4 - 1.5 mm
Coils-PVC/ABS



90° Edge:
10 - 60 mm
45° Edge:
15 - 25 mm
Work Piece
Thickness



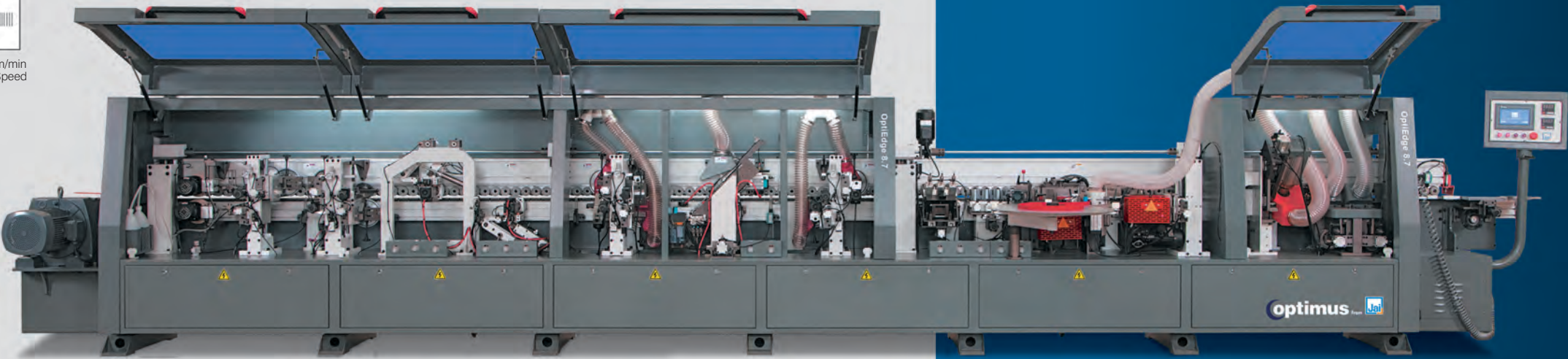
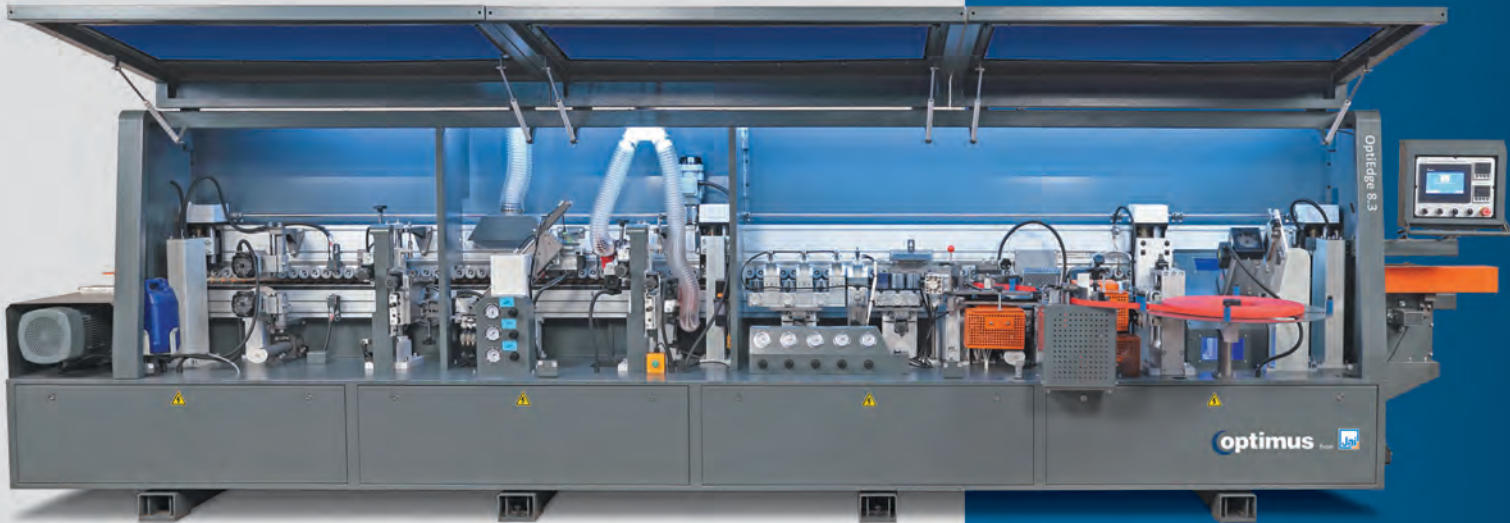
Pressure Beam
Motorized



SMART TOUCH
PLC



up to 25 m/min
Feeding Speed



Salient Features :

- 45° Panel Edge from straight panel in single pass
- 45° Edge Bander is widely used for manufacturing handleless drawer, door frame, worktable etc.

Specifications OptiEdge 8.3 OptiEdge 8.7

	Only 45°	45° & 90°
Workpiece thickness range		
- Inclined 45° edge.....	15 - 25 mm	15 - 25 mm
- Full straight edge	n/a	10 - 60 mm
Workpiece size width-length		
- Inclined 45° edge.....	80 - 150 mm	80 - 150 mm
- Full straight edge	n/a	80 - 150 mm
Thickness for PVC/ABS in coil form		
- Inclined 45° edge.....	0.4 - 1.5 mm	0.4 - 1.5 mm
- Full straight edge	n/a	0.4 - 3.0 mm
Work piece feeding speed.....	12 m / min	up to 25 m / min
Pre-milling motor power.....	n/a.....	2 x 3 no / hp
45° milling motor power	1 x 4 hp	1 x 7.5 hp
Round cornering motor power.....	n/a.....	2 x 0.5 no / hp
Compressed air required	6 to 8 kg / cm²	6 to 8 kg / cm²
Working temperature range	180 - 200 °C.....	180 - 200 °C
Total power.....	26.2 hp.....	40.2 hp
M/c. dimension (L x B x H)	6400 x 1400 x.....	9300 x 1530 x
	1600 mm.....	1600 mm
Approx. net weight	2400 kg	4300 kg

Salient Features :

- 45° Edge Banding function by finger touch from Smart Touch PLC control panel. No need to adjust any units / parts.
- Independent twin glue tanks apply the glue to the degree edge and straight edge of panel. Both glue spreading roller provides precise & consistent glue application. Perfect adhesion to the applied edge due to heavy duty pressure rollers.
- Perfect straight and degree edge banding finishing on panel due to 2 milling, 2 trimming, 2 scrapping & buffing units.

Process OptiEdge 45° Edge Bander Models :	45° Edge	90° Edge	90° Pre-Milling	45° Milling	Pre - Heating	45° Edge Tape Grooving	45° Degree Edge Gluing	90° Straight Edge Gluing	90° Banding	45° Banding	45° Trimming	45° Flat Scraping		End Cutting	90° Fine Trimming	2 Motor Round Cornering	90° Edge Scraping	45° Edge Scraping	Cleaning Agent	Buffing
OptiEdge 8.3	✓	X	X	✓	✓	✓	✓	✓	X	✓	✓	✓		✓	X	X	X	X	✓	✓
OptiEdge 8.7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X		✓	✓	✓	✓	✓	✓	✓



Models	UltraEdge 9.7P	UltraEdge 7.9P	UltraEdge 7.7P Servo	UltraEdge 7.7P	OptiEdge 6.7P Servo	OptiEdge 6.7P
Workpiece thickness range	10 - 60 mm	10 - 60 mm	10 - 60 mm	10 - 60 mm	10 - 60 mm	10 - 60 mm
Minimum workpiece width	50 mm	50 mm	50 mm	50 mm	60 mm	60 mm
Edge banding thickness for						
PVC & ABS in coil form	0.4 - 3.0 mm	0.4 - 3.0 mm	0.4 - 3.0 mm	0.4 - 3.0 mm	0.4 - 3.0 mm	0.4 - 3.0 mm
Work piece feeding speed	up to 30 m / min	up to 25 m / min	up to 25 m / min	up to 25 m / min	up to 25 m / min	up to 25 m / min
Pre-milling motor power	2 x 3 no / hp	2 x 3 no / hp	2 x 3 no / hp	2 x 3 no / hp	2 x 3 no / hp	2 x 3 no / hp
End cutting motor power	3 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp
Rough trimming motor power	2 x 1 no / hp	2 x 1 no / hp	2 x 1 no / hp	2 x 1 no / hp	2 x 1 no / hp	2 x 1 no / hp
Fine trimming motor power	2 x 1 no / hp	2 x 1 no / hp	2 x 1 no / hp	2 x 1 no / hp	2 x 1 no / hp	2 x 1 no / hp
Round cornering motor power	4 x 0.4 no / hp	2 x 0.4 no / hp	2 x 0.4 no / hp	2 x 0.4 no / hp	2 x 0.4 no / hp	2 x 0.4 no / hp
Buffing motor power	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp
Conveyor gear box motor power	5.5 kw	4 kw	4 kw	4 kw	4 kw	4 kw
Compressed air required	6 to 8 kg / cm²	6 to 8 kg / cm²	6 to 8 kg / cm²	6 to 8 kg / cm²	6 to 8 kg / cm²	6 to 8 kg / cm²
Total power	33.4 hp	28.5 hp	28.5 hp	25.1 hp	28.5 hp	25.1 hp
M/c. dimension (L x B x H)	9100 x 1400 x	7700 x 1400 x	7200 x 1400 x	7200 x 1400 x	6600 x 1400 x	6600 x 1400 x
	1750 mm	1600 mm	1600 mm	1600 mm	1600 mm	1600 mm
Approx. net weight	3150 kg	2600 kg	2550 kg	2500 kg	2350 kg	2300 kg

OptiEdge 6.7	OptiEdge 6.5P	OptiEdge 6.5	OptiEdge 5.5P	OptiEdge 5.5	OptiEdge 6.3
10 - 60 mm	10 - 60 mm	10 - 60 mm	10 - 60 mm	10 - 60 mm	10 - 60 mm
60 mm	60 mm	60 mm	60 mm	60 mm	60 mm
0.4 - 3.0 mm	0.4 - 3.0 mm	0.4 - 3.0 mm	0.4 - 3.0 mm	0.4 - 3.0 mm	0.4 - 3.0 mm
up to 25 m / min	up to 25 m / min	up to 25 m / min	up to 25 m / min	up to 25 m / min	up to 25 m / min
n/a	2 x 3 no / hp	n/a	2 x 3 no / hp	n/a	n/a
2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp
2 x 1 no / hp	n/a	n/a	n/a	n/a	n/a
2 x 1 no / hp	2 x 1 no / hp	2 x 1 no / hp	2 x 1 no / hp	2 x 1 no / hp	2 x 1 no / hp
2 x 0.4 no / hp	2 x 0.4 no / hp	2 x 0.4 no / hp	2 x 0.4 no / hp	2 x 0.4 no / hp	n/a
2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp	2 x 0.5 no / hp
3.7 kw	3.7 kw	2.2 kw	2.2 kw	2.2 kw	1.5 kw
6 to 8 kg / cm²	6 to 8 kg / cm²	6 to 8 kg / cm²	6 to 8 kg / cm²	6 to 8 kg / cm²	6 to 8 kg / cm²
17.2 hp	22.7 hp	13.2 hp	17.8 hp	11.8 hp	11.5 hp
6000 x 1400 x	6100 x 1400 x	5500 x 1400 x	6100 x 1400 x	5500 x 1400 x	4400 x 1400 x
1600 mm	1600 mm	1600 mm	1600 mm	1600 mm	1600 mm
2000 kg	2000 kg	1700 kg	2000 kg	1700 kg	1400 kg

Comparison Chart for all Edge Bander Models :

	Pressure Belt Conveyor	Servo 4 Channel Feeding	Pre - Separation Spray	Pre - Milling	Pre - Heating	Bottom Glue Tank	Quick Melt Top Glue Tank	End Cutting	Rough Trimming	Fine Trimming		2 Motor Round Cornering	Edge Scraping	Clip Out	Glue Scraping	Cleaning Agent	Buffing	Pressure Beam Motorized	Feeding Speed	Pressure Rollers	Small Support Roller	Back Side Support Roller	Small Piece Feeding System
Process :																							
UltraEdge 9.7P	✓	✓	✓	✓	✓	✓	✓	✓- 2 Nos.	✓	✓		✓- 2 Nos.	✓	✓	✓	✓	✓	✓	Up to 30	1 + 5 with scraper	✓	✓	✓
UltraEdge 7.9P	X	X	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	Up to 25	1 + 5 with scraper	✓	✓	✓
UltraEdge 7.7P Servo	X	X	✓	✓	✓	✓	X	✓	✓	✓ - Servo		✓ - Servo	✓ - Servo	✓	✓	✓	✓	✓	Up to 25	Servo - 1 + 5 with scraper	✓	✓	✓
UltraEdge 7.7P	X	X	✓	✓	✓	✓	X	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	Up to 25	1 + 5 with scraper	✓	✓	✓
OptiEdge 6.7P Servo	X	X	✓	✓	✓	✓	X	✓	✓	✓ - Servo		✓ - Servo	✓ - Servo	X	✓	✓	✓	✓	Up to 25	Servo - 1 + 3 with scraper	✓	X	X
OptiEdge 6.7P	X	X	✓	✓	✓	✓	X	✓	✓	✓		✓	✓	X	✓	✓	✓	✓	Up to 25	1 + 3 with scraper	✓	X	X
OptiEdge 6.7	X	X	X	X	✓	✓	X	✓	✓	✓		✓	✓	X	✓	✓	✓	✓	Up to 25	1 + 3 with scraper	✓	X	X
OptiEdge 6.5P	X	X	✓	✓	✓	✓	X	✓	X	✓		✓	✓	X	✓	✓	✓	✓	Up to 25	1 + 3 with scraper	✓	X	X
OptiEdge 6.5	X	X	X	X	✓	✓	X	✓	X	✓		✓	✓	X	✓	✓	✓	✓	Up to 25	1 + 3 with scraper	✓	X	X
OptiEdge 5.5P	X	X	✓	✓	✓	✓	X	✓	X	✓		✓	✓	X	X	✓	✓	✓	Up to 25	1 + 3 with scraper	X	X	X
OptiEdge 5.5	X	X	X	X	✓	✓	X	✓	X	✓		✓	✓	X	X	✓	✓	✓	Up to 25	1 + 3 with scraper	X	X	X
OptiEdge 6.3	X	X	X	X	✓	✓	X	✓	X	✓		X	✓	X	X	✓	✓	✓	Up to 25	1 + 3 with scraper	X	X	X



Beam Saws



Panel Saws



Edge Bander



CNC Borings



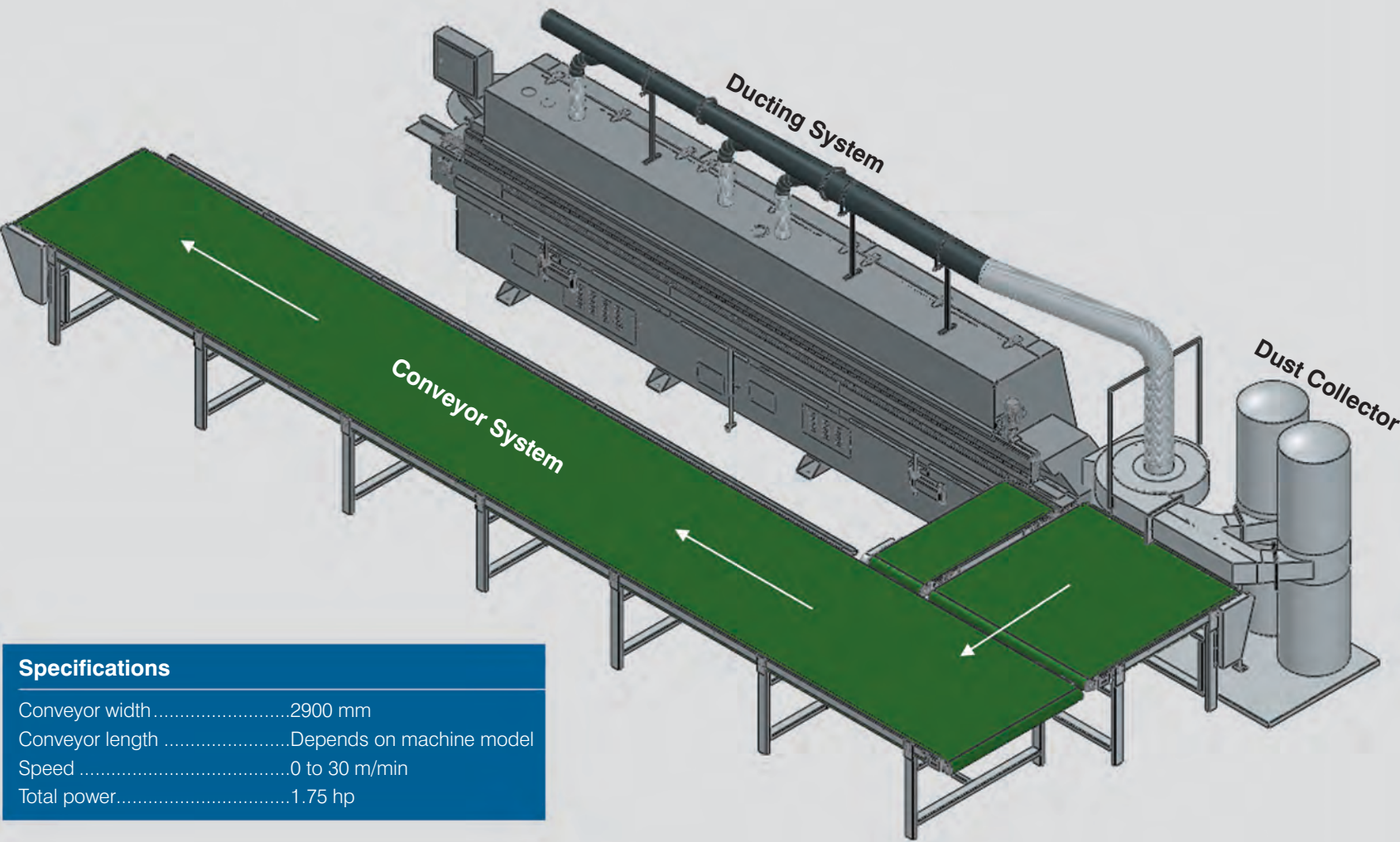
Drillings



CNC Nesting

Conveyor System

For Auto Edge Banders



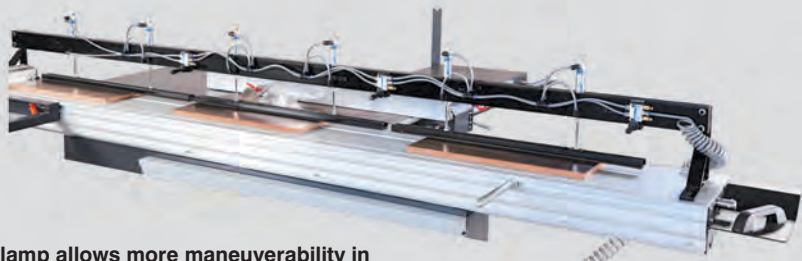
Specifications	
Conveyor width	2900 mm
Conveyor length	Depends on machine model
Speed	0 to 30 m/min
Total power	1.75 hp

Pneumatic Clamp For Panel Saws

Model : PC + Three step allows more flexibility for handling small pieces



Scan for Video



Pneumatic clamp allows more maneuverability in panel handling, sizing and cutting

Ducting System

For Beam Saws & Auto Edge Banders



Dust Collectors

DC - 31.in
(Single Bag)



DC - 32.in +
(Double Bag)



DC - 52.in +
(Double Bag)



DC - 72.in +
(Double Bag)



DC - 51T.in +
(Single Bag)



DC - 52T.in +
(Double Bag)



DC - 72T.in +
(Double Bag)



DC - 104T.in +
(Four Bag)



Specifications	Unit	DC-31.in	DC-32.in +	DC-52.in +	DC-72.in +	DC-51T.in +	DC-52T.in +	DC-72T.in +	DC-104T.in +
Air suction capacity	m³ / hr	2400	3500	4000	5000	10000	10500	12500	21000
Dust Port	no./size-mm	2 / 100	3 / 100	3 / 100	3 / 100	1 / 200	1 / 200	1 / 200	1 / 200
Motor - 3 ø	hp	3	3	5	7.5	5	5	7.5	10

Optimus® OptiBore 6.12J 6 Side CNC Boring

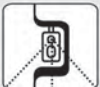
NEW



Optimus control system



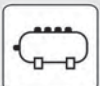
Scanner



Board length detection



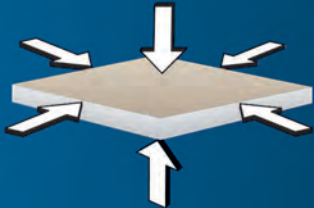
Precision guide rail



Safety air tank



Boring, Routing, Grooving & Cutting



Salient Features :

- Structure is made after **annealing aging treatment** for long term stability.
- Two panels **mirror processing** can be done simultaneously.
- Gripper are controlled by **servo motors** for high accuracy.
- **Air tank** provided for stable pressure during working.
- Processing files can be **uploaded automatically** by scanning bar code and generating NC program for processing.
- Supporting DXF file from **CAD Software**.

Specifications

OptiBore 6.12J

Control system. 21" PC with Indigenous control system

Work piece processing size

Panel width - max. / min. 1200 / 30 mm
Panel length - max. / min. 3300 / 70 mm
Panel thickness - max. / min.....55 / 9 mm

Side Grooving

Mix. depth 8 mm
Min. panel thickness 4 mm

Maximum positioning speed

X & U - Axis 130 m / min
V & Y - Axis.....100 m / min
W & Z - Axis 30 m / min
A - Axis 60 m / min

Boring unit

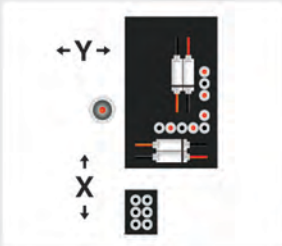
Vertical drilling bit - top.....9
Vertical drilling bit - bottom 6
Horizontal drilling bit X Axis - 2 + 2
.....Y Axis - 2 + 2
Motor power.....2.2 kw (3 hp)

Routing unit

Top - Router spindle power.....3.5 kw (5 hp)
Spindle speed 18000 rpm

Other specifications

Working table height.....950 mm
Dust extraction port 200Ø mm & 150Ø mm
Air pressure 6 to 8 kg / cm²
Total power 14.5 kw (20 hp)
M/c. dimension (L x B x H) 6000 x 2450 x 2500 mm
Approx. net weight 2000 kg



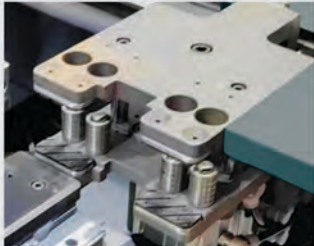
Drilling Unit & Router Spindle layout



Patented : Upper spindle equipped with saw blade for horizontal slot



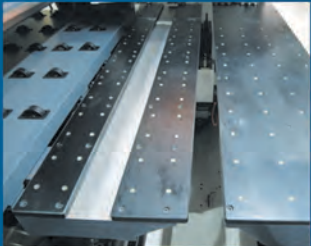
Intelligent side aligning system



Double linkage unique gripper design enables minimum size of 70 x 30 mm



Intelligent upper positioning device



Mobile worktable helps in keeping uniform pressure on panel resulting in higher drilling accuracy

Optimus® OptiBore 6.12 6 Side CNC Boring



Optimus control system



Scanner



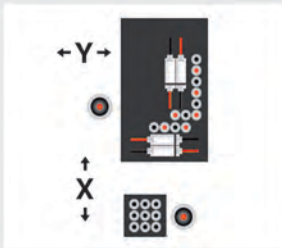
Board length detection



Precision guide rail



Safety air tank



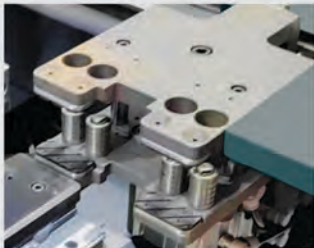
Drilling Unit & Router Spindle layout



Patented : Upper spindle equipped with saw blade for horizontal slot



Intelligent side aligning system



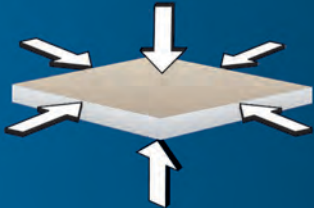
Double linkage unique gripper design enables minimum size of 70 x 30 mm



Intelligent upper positioning device



Boring, Routing, Grooving & Cutting



Scan for Video



Salient Features :

- Structure is made after **annealing aging treatment** for long term stability.
- Two panels **mirror processing** can be done simultaneously.
- **Top & Bottom spindles** for milling work in one process.
- All **spindles with 6 kw**.
- Gripper are controlled by **servo motors** for high accuracy.
- **Air tank** provided for stable pressure during working.
- Processing files can be **uploaded automatically** by scanning bar code and generating NC program for processing.
- Supporting DXF file from **CAD Software**.

Specifications

OptiBore 6.12

Control system. 21" PC with Indigenous control system

Work piece processing size

Panel width - max. / min. 1200 / 30 mm

Panel length - max. / min. 3300 / 70 mm

Panel thickness - max. / min.....55 / 9 mm

Side Grooving

Mix. depth 8 mm

Min. panel thickness 4 mm

Maximum positioning speed

X & U - Axis 130 m / min

V & Y - Axis 100 m / min

W & Z - Axis 30 m / min

A - Axis 60 m / min

Boring unit

Vertical drilling bit - top.....12

Vertical drilling bit - bottom 9

Horizontal drilling bit X Axis - 2 + 2

.....Y Axis - 2 + 2

Motor power 2.2 kw (3 hp)

Routing unit

Top - Router spindle power 6 kw (8 hp)

Bottom - Router spindle power 6 kw (8 hp)

Spindle speed 18000 rpm

Other specifications

Working table height 950 mm

Dust extraction port 200Ø mm & 150Ø mm

Air pressure 6 to 8 kg / cm²

Total power 22 kw (29.5 hp)

M/c. dimension (L x B x H) 5900 x 2700 x 2500 mm

Approx. net weight 2700 kg



Beam Saws



Panel Saws



Edge Banders



CNC Borings



Drillings



CNC Nesting

Optimus®

OptiBore 6.12 (ATC)

6 Side CNC Boring with Auto Tool Changer

NEW



Optimus control system



Scanner



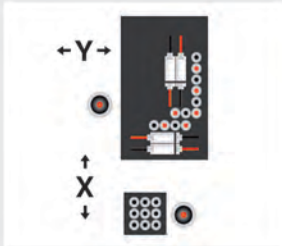
Board length detection



Precision guide rail



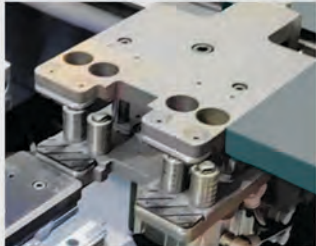
Safety air tank



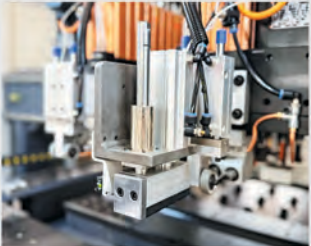
Drilling Unit & Router Spindle layout



Intelligent side aligning system



Double linkage unique gripper design enables minimum size of 70 x 30 mm



Intelligent upper positioning device



Auto Tool Changer

Boring, Routing, Grooving & Cutting



Scan for Video



Salient Features :

- Structure is made after **annealing aging treatment** for long term stability.
- Two panels **mirror processing** can be done simultaneously.
- **Top & Bottom spindles** for milling work in one process.
- Top ATC Spindle with 9 kw & bottom spindle with 6 kw.
- Gripper are controlled by **servo motors** for high accuracy.
- **Air tank** provided for stable pressure during working.
- Processing files can be **uploaded automatically** by scanning bar code and generating NC program for processing.
- Supporting DXF file from **CAD Software**.

Specifications OptiBore 6.12 ATC

Control system. 21" PC with Indigenous control system

Work piece processing size

Panel width - max. / min. 1210 / 30 mm
Panel length - max. / min. 3300 / 70 mm
Panel thickness - max. / min.....55 / 9 mm

Maximum positioning speed

X & U - Axis 130 m / min
V & Y - Axis.....100 m / min
W & Z - Axis 50 m / min
A - Axis 60 m / min

Boring unit

Vertical drilling bit - top.....12
Vertical drilling bit - bottom 9
Horizontal drilling bit X Axis - 2 + 2
.....Y Axis - 2 + 2
Motor power.....2.2 kw (3 hp)

Routing unit

Top - Router spindle power.....9 kw (12 hp)
Bottom - Router spindle power.....6 kw (8 hp)
Spindle speed 18000 rpm

Other specifications

Working table height.....950 mm
Dust extraction port.....200Ø mm & 150Ø mm
Air pressure 6 to 8 kg / cm²
Total power 26 kw (35 hp)
M/c. dimension (L x B x H) 5900 x 3150 x 2500 mm
Approx. net weight 2800 kg

Optional attachment
(Have to order along with machine, not separately)



Aggregate



Beam Saws



Panel Saws



Edge Banders



CNC Borings



Drillings



CNC Nesting

Optimus® OptiBore 6.12D 6 Side Double Head CNC Boring

NEW



Optimus control system



Scanner



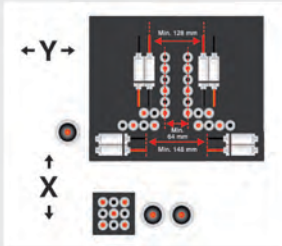
Board length detection



Precision guide rail



Safety air tank



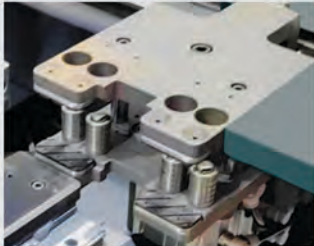
Drilling Unit & Router Spindle layout



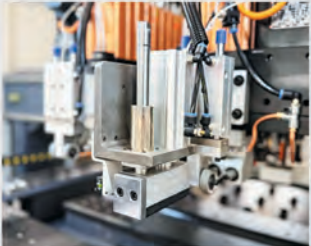
Patented : Upper spindle equipped with saw blade for horizontal slot



Intelligent side aligning system



Double linkage unique gripper design enables minimum size of 70 x 30 mm



Intelligent upper positioning device

Boring, Routing, Grooving & Cutting



Salient Features :

- Structure is made after **annealing aging treatment** for long term stability.
- Two panels **mirror processing** can be done simultaneously.
- **Top & Bottom spindles** for milling work in one process.
- All **spindles with 6 kw**.
- Gripper are controlled by **servo motors** for high accuracy.
- **Air tank** provided for stable pressure during working.
- Processing files can be **uploaded automatically** by scanning bar code and generating NC program for processing.
- Supporting DXF file from **CAD Software**.

Specifications

OptiBore 6.12D

Control system. 21" PC with Indigenous control system

Work piece processing size

Panel width - max. / min. 1200 / 30 mm
Panel length - max. / min. 3300 / 70 mm
Panel thickness - max. / min. 55 / 9 mm

Dual-Drill Simultaneous Machining

Vertical drill min. processing size 64 mm
Horizontal drill X- Axis min. processing size 128 mm
Horizontal drill Y-Axis min. processing size 188 mm

Side Grooving

Mix. depth 8 mm
Min. panel thickness 4 mm

Maximum positioning speed

X & U - Axis 130 m / min
V & Y - Axis 100 m / min
W & Z - Axis 30 m / min
A - Axis 60 m / min

Boring unit

Vertical drilling bit - top 12 x 2
Vertical drilling bit - bottom 9
Horizontal drilling bit X Axis - (2 + 2) x 2
.....Y Axis - (2 + 2)
Motor power 2.2 kw (3 hp) x 2

Routing unit

Top - Router spindle power 6 kw (8 hp)
Bottom - Router spindle power 6 kw (8 hp)
Spindle speed 18000 rpm

Other specifications

Working table height 950 mm
Dust extraction port 200Ø mm x 2 & 150Ø mm
Air pressure 6 to 8 kg / cm²
Total power 32.4 kw (45.6 hp)
M/c. dimension (L x B x H) 5900 x 2700 x 2500 mm
Approx. net weight 2800 kg

Optional attachment

(Have to order along with machine, not separately)



Auto Tool Changer



Aggregate



Beam Saws



Panel Saws



Edge Banders



CNC Borings



Drillings

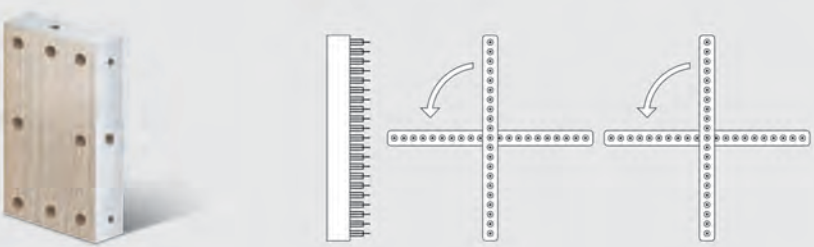


CNC Nesting

Optimus® OptiDrill 2.3 Three Head Boring



Scan for Video



Movement of heads on heavy linear rolling guides for prompt & easy positioning with **digital read out**.



Vertical boring units can be turned 90°. Auxiliary support frame with fence gives better solution for long panels.



Fence with support rollers has four reference stops. Second vertical head assembly has also reference stopper for side position alignment of long workpiece.

OptiDrill 2.4 Four Head Boring

OptiDrill 2.6 Six Head Boring



Horizontal & Vertical Boring Head for OptiDrill 2.4

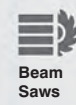


Specifications OptiDrill 2.3 OptiDrill 2.4 OptiDrill 2.6

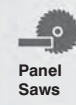
Maximum working thickness.....	60 mm.....	60 mm.....	60 mm.....
Maximum size of work piece.....	2500 x 640 mm.....	2400 x 640 mm.....	2400 x 640 mm.....
Number of spindle head.....	Three no.	Four no.	Six no.
.....(one horizontal &	(one horizontal &	(two horizontal &	(two horizontal &
.....two vertical)	two vertical &	four vertical)	one horiz. or ver.).....
Number of spindle head.....	21 no.....	21 no.....	21 no.....
Total spindles.....	21*3 = 63 nos.....	21*4 = 84 nos.....	21*6 = 126 nos.....
Shank diameter of drill.....	10 mm.....	10 mm.....	10 mm.....
Spindle rotation speed.....	2800 rpm.....	2800 rpm.....	2800 rpm.....
Maximum drilling diameter.....	32 mm.....	32 mm.....	32 mm.....
Drilling depth.....	0 ~ 50 mm.....	0 ~ 50 mm.....	0 ~ 50 mm.....
.....(drill length 70 mm).....	(drill length 70 mm).....	(drill length 70 mm).....	(drill length 70 mm).....
Compressed air required.....	6 to 8 kg/cm².....	6 to 8 kg/cm².....	6 to 8 kg/cm².....
Total power.....	3 no's x 2 hp = 6 hp.....	4 no's x 2 hp = 8 hp.....	6 no's x 2 hp = 12 hp.....
M/c. dimensions (L x B x H).....	3550 x 3050 x	3900 x 3050 x	4400 x 3050 x
.....1650 mm.....	1650 mm.....	1650 mm.....	1650 mm.....
Approx. net weight.....	1100 kg.....	1400 kg.....	1700 kg.....

Salient Features :

- **Sturdily built heavy duty** boring machine with 2 no's vertical & 1 no horizontal boring head units designed to execute holes in a line as well as holes for panel matching.
- **Cast iron boring head** base gives highest accuracy & sturdiness.
- **Low maintenance** m/c, easily available cost effective spares, best after sales service support.



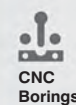
Beam Saws



Panel Saws



Edge Banders



CNC Borings



Drillings



CNC Nesting

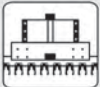
Optimus® OptiRoute 9.9V (L-ATC) LnU Nesting CNC Router

OptiRoute 9.0 (L-ATC) LnU without Boring Head also available

NEW



Nesting software



Linear type 12
auto tool changer



2 Pressure rollers



9 kw air cooled
ATC spindle



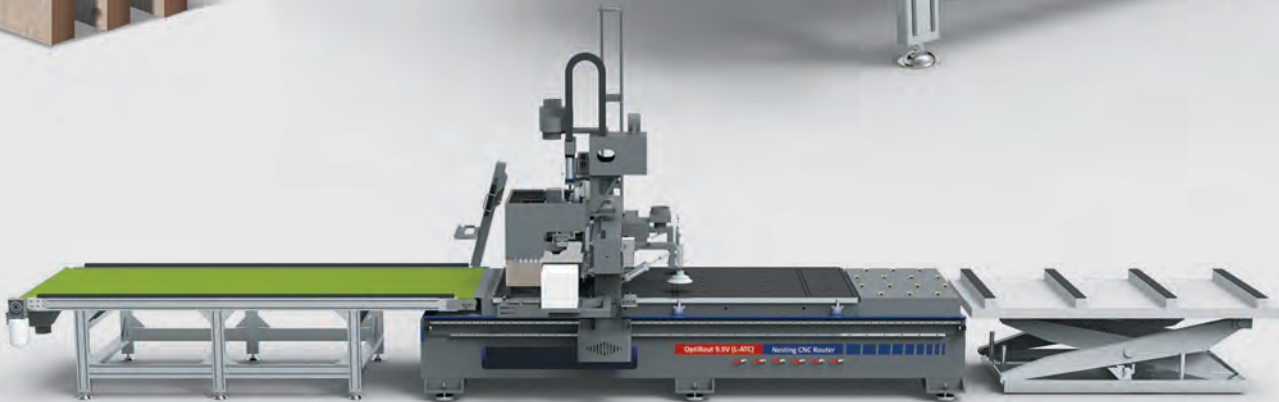
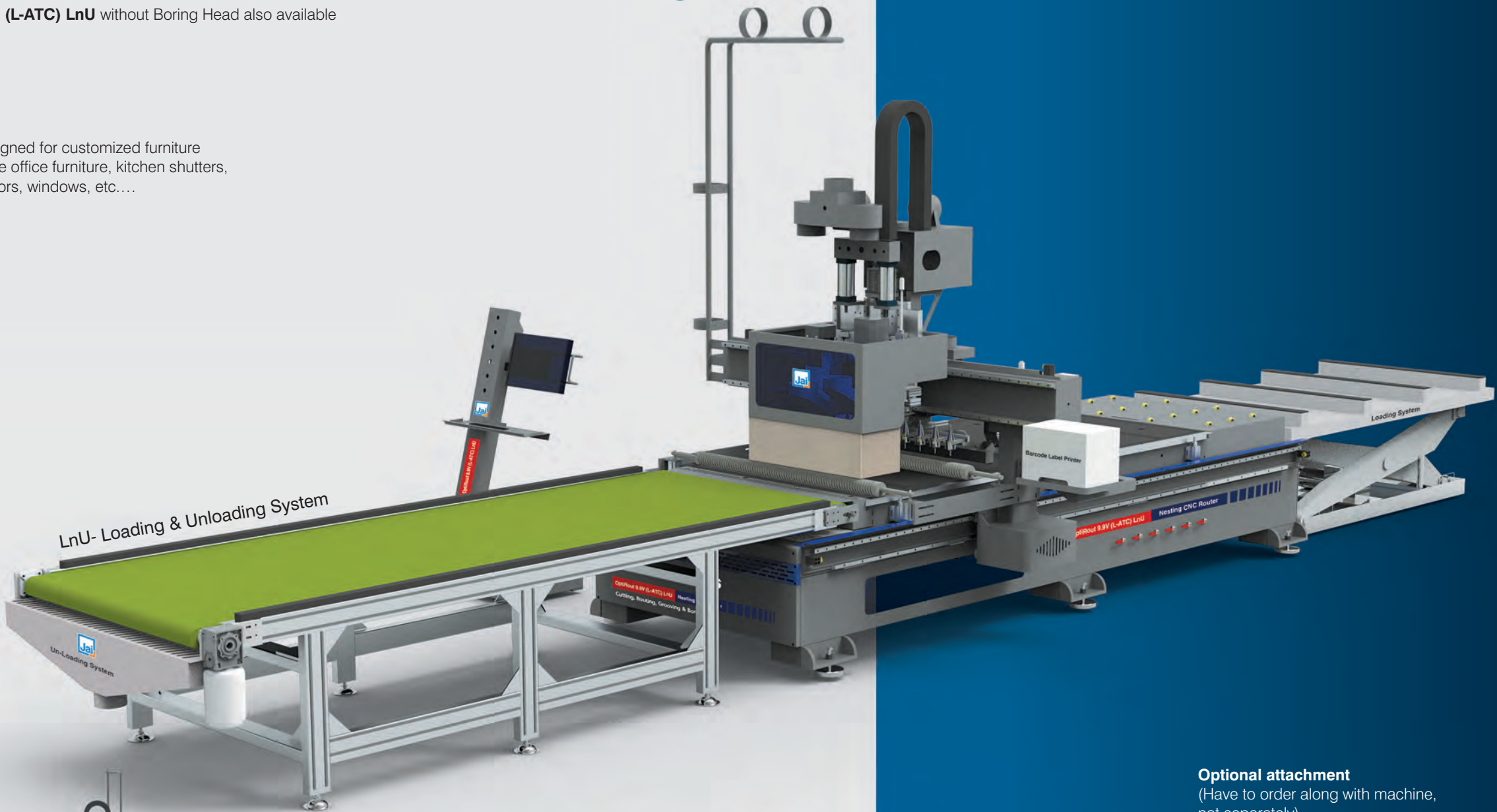
Flexible cutting



Precision guide rail



Specially designed for customized furniture
production like office furniture, kitchen shutters,
wardrobe, doors, windows, etc....



Precision 5 + 4 = 9 spindle L type
vertical boring head in 9.9V

Nesting Technology Ensures Efficient Cutting, Routing, Boring & Grooving with Linear Auto Tool Changer (L-ATC)

Salient Features :

- Saves material handling time
- Saves labor cost
- Less space requirement
- Less power consumption
- Less tooling cost
- Straight, Round, L - Shape panels can be processed
- Less Capital investment

Specifications OptiRoute 9.9V (L-ATC) LnU/
OptiRoute 9.0 (L-ATC) LnU

X - Y - Z Axis working area.....	1300 x 2800 x 300 mm
X - Y movement	Rack & pinion gear drive / Taiwan Hiwin
Z movement.....	Heavy ball screw
Spindle & boring head.....	9 kw ATC / 18000 rpm
Tool magazine	Linear type - 12 tools holder
Controller system	Taiwan LNC + PC
Drive motors	LNC Servo motors & shimpo reducer
Pressure Roller	2
Running Speed	X/Y : 75 m/min, Z : 15 m/min
Positioning Accuracy.....	±0.02
Working voltage	AC 415 V / 50 Hz, 3 Ø
Oil lubrication system	Auto
Vacuum table & pump	7.5 kw Air Cooled pump
Total power	26.75 kw (35 hp)
M/c. dimension (L x B x H)	9850 x 2160 x 2900 mm
Approx. net weight	3300 kg

Note : Various sizes available on request



Barcode Label Printer



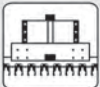
Linear type 12 auto tool changer
on gantry to reduce time

Optimus® OptiRout 9.9V (L-ATC) Nesting CNC Router

OptiRout 9.0 (L-ATC) without Boring Head also available



Nesting software



Linear type 12 auto tool changer



2 Pressure rollers



9 kw air cooled ATC spindle



Flexible cutting

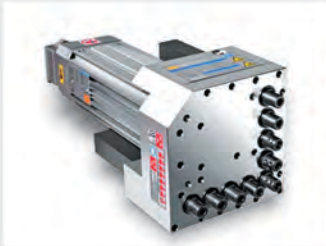


Precision guide rail



Salient Features :

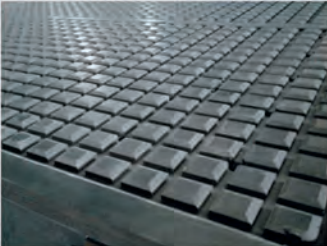
- Saves material handling time
- Saves labor cost
- Less space requirement
- Less power consumption
- Less tooling cost
- Straight, Round, L - Shape panels can be processed
- Less Capital investment



Precision 5 + 4 = 9 spindle L type vertical boring head in 9.9V



Linear type 12 auto tool changer on gantry to reduce time



Nesting table for an efficient and secure hold of workpiece



Nesting Technology Ensures Efficient Cutting, Routing, Boring & Grooving with Linear Auto Tool Changer (L-ATC)



Specifications OptiRout 9.9V (L-ATC)/ OptiRout 9.0 (L-ATC)

X - Y - Z Axis working area	1300 x 2500 x 300 mm
X - Y movement	Rack & pinion gear drive / Taiwan Hiwin
Z movement	Heavy ball screw
Spindle & boring head	9 kw ATC / 18000 rpm
Tool magazine	Linear type - 12 tools holder
Controller system	Taiwan LNC + PC
Drive motors	LNC Servo motors & shimpo reducer
Pressure Roller	2
Running Speed	X/Y : 75 m/min, Z : 15 m/min
Positioning Accuracy	±0.02
Working voltage	AC 415 V / 50 Hz, 3 Ø
Oil lubrication system	Auto
Vacuum table & pump	7.5 kw Air Cooled pump
Total power	23 kw (30 hp)
M/c. dimension (L x B x H)	3900 x 2160 x 2900 mm
Approx. net weight	2450 kg

Note : Various sizes available on request

Specifications OptiBore 2.1

Working size	2800 mm
Guide	Linear guide 20 mm - Taiwan
Spindle	2.2 kw, Air cooled spindle / 18000 rpm
Working speed	80 m / min
Motor power	750 w / 400 w
Total power	3.4 kw (4.5 hp)
M/c dimension (L x B x H)	3300 x 1250 x 1300 mm
Approx. net weight	800 kg

OptiBore 2.1 CNC Horizontal Boring



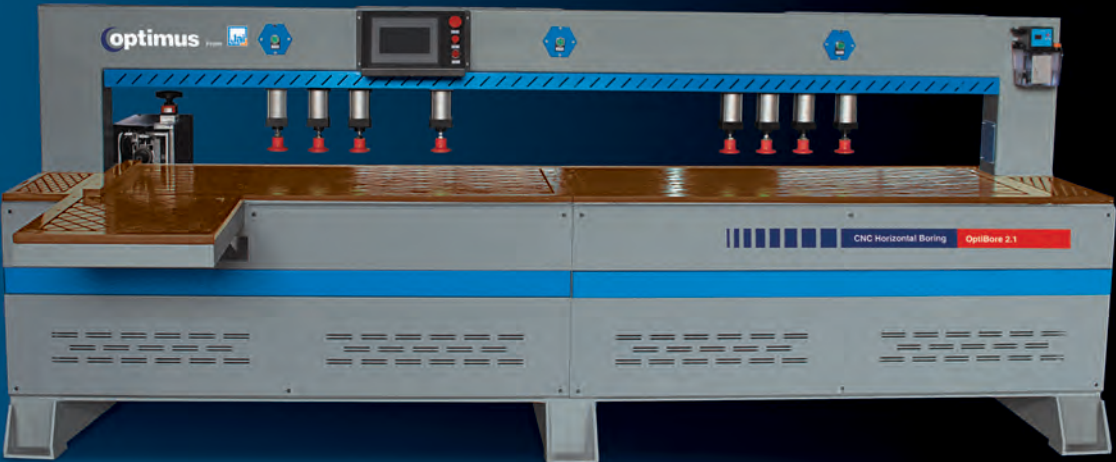
Scan for Video

Salient Features :

- Supplementary machine of OptiRout CNC Router.
- Specially designed for horizontal side drilling.
- Its biggest advantage is that, equipped with laser sensor which can sense the vertical drilling position directly.



Air cooled 2.2 kw spindle with laser sensor & servo motor



Beam Saws



Panel Saws



Edge Banders



CNC Borings



Drillings

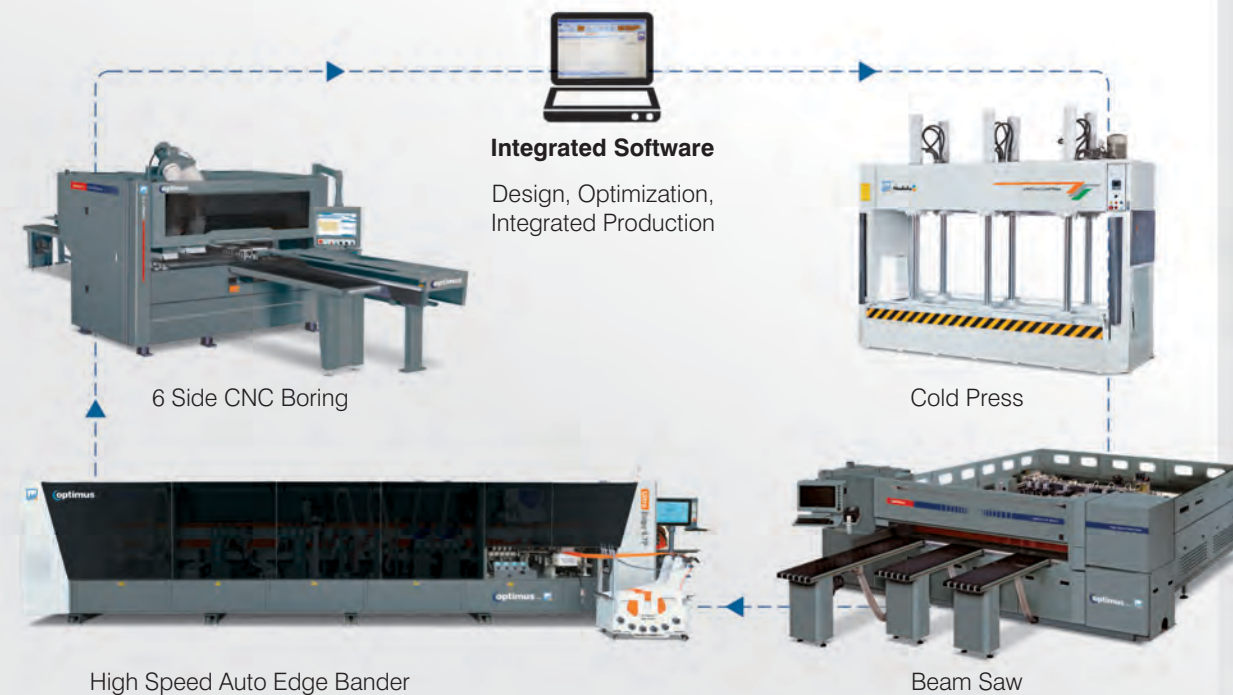


CNC Nesting

Solution for Customized Production



Solution for Mass Production



Additional m/cs.



45° & 90°
Curvilinear Edge Bander



Panel Saw

Beam Saw

Curvilinear
Edge Bander

Edge Trimmer



Auto Edge Bander

Single Head Multi Boring

Double Head Multi Boring

Triple Head Multi Boring



Hinge Boring

Post Form

Spindle Moulder

Cold Press

Hot Press



Vacuum Membrane Press (Compact)

CNC Router

Hi-Speed Router

Dust Collector

* Ask for detailed CATALOGUE

Made in India. With Pride.



CombiMax



Max - 15



Combiplaner - S



Surfomax - S



Planomax



Surface Planer



Thickness Planer



Two Side Thickness Planer



Rebato'Mould



HDHQ Spindle Moulder - ST



Tilting Arbour Spindle Moulder



Tilting Arbour Circular Saw



Band Saws



Drum Sander



H/V Sander



OVS Sander



Chisel Mortiser
(Hydraulic)



Chisel Mortiser
(Pneumatic)



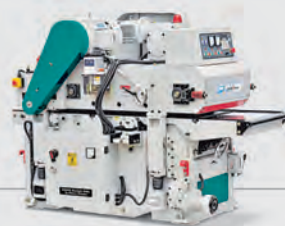
Chain Mortisers



Teno Mac - S

Made in India. With Pride.

Be better equipped for specialized woodcraft work with premium range of solid wood machinery



HDHQ Double Side Surface Planer



Four Side Moulder



Straight Line Rip Saw



Oscillation Mortiser



Round End Tenoner



CNC Multi-Joinery Machining Centre



CNC Wood Turning Lathe



Wide Belt Sander



Clamp Carrier -
Hydraulic or Pneumatic

Fenstec™

UPVC & Aluminium Machines for Doors & Windows



Two Head Cutting



Two Head Welding



Lock Hole Processing
(copy router)



Glazing Bead Saw



CNC Milling & Drilling



CNC Corner Cleaning



Mullion Saw



V - Notch Cutting



End Milling



Water Slot Router

* Ask for detailed CATALOGUE



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