

STAR

PLYWOOD MACHINERY



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Ends Here

STAR

PLYWOOD MACHINERY



YOUR **SEARCH**
ENDS **HERE**

===== A D V A N T A G E =====

- Highest Speed Veneer Peeling Machine in India
- Veneer peeling speed can be as fast as **150m/min**
- Veneer peeling speed can be as fast as **90m/min**
- Save power for 30%-50%. Normally the running current only the 50% of the rated current
- Good quality of the veneer, smooth and evenness, thickness evenness $\pm 0.05\text{mm}$
- Stable roller running speed, reduce the influence of the voltage fluctuation
- Effective after sale service across pan India
- Advanced control system with **1.5 Kw** outdoor AC
- Clipper integrated model, peeling & clipping at same time
- Electronic Pump for Automatic Lubrication
- Advance CNC and user friendly operating system
- Automatic after log dropper
- Hardened Helical Gear & heavy duty gear box
- Use of latest servo motors for higher accuracy
- Specially designed for **Big Logs, Hard Wood, Eucalyptus, Rubber Wood, Poplar**
- Machines successfully running all over India.

4 FEET 150 M/MIN. SUPER HIGH SPEED VENEER PEELING MACHINE

MODEL : LEO STAR



COMPLETELY SERVO
CONTROLLED SYSTEM

INDIA'S FASTEST & MOST ADVANCED CNC VENEER PEELING MACHINE

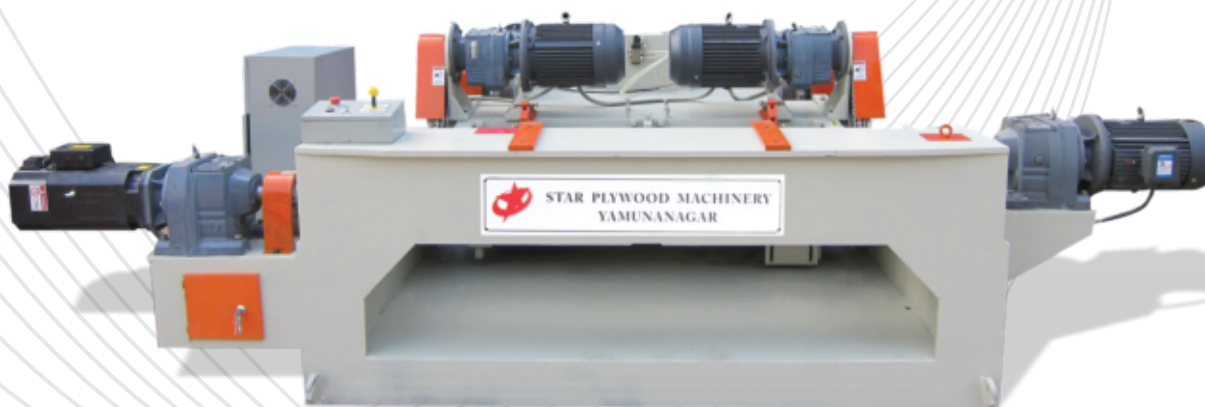
PARAMETER	VALUE	NOTES
Length of the Roller	1500 mm	
Power of Double Roller	15 kw x 2	AC servo motor
Power of Single Roller	15 kw x 2	AC servo motor
Power of Screw Feed	7.5 kw	AC servo motor
Power of Rotary Clipper	2.2 kw	AC servo motor
Power of Rubber Roller	2.2 kw	AC servo motor
Total Power	71.9 kw	
Roller Reducer	Hardened Helical Gear Reducer x 4	
Screw Feed Reducer	Hardened Helical Gear Reducer x 1	
Clipper Reducer	Hardened Worm Gear Reducer x 1	
Rubber Roller Reducer	Hardened Worm Gear Reducer x 1	
Veneer Output Speed	45-150 m/min Adjustable	
Blade	1500*180*16	
Screw Diameter	90 mm	
Max Opening	500	
Minimum Log Core	24 mm	
Thickness	0.4 - 3.6 mm	
Clipper Width	> = 400 mm	
Control Unit	Peeling Speed Adjust System Close loop servo control	PLC+ Touch Screen 1.5kw Outdoor AC
Size (LxWxH)	4200*2300*1650	
Weight	7000 kg	

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4 FEET 50 M/MIN. VENEER PEELING MACHINE

MODEL : VIRGO STAR



PARAMETER	VALUE	NOTES
Length of the Roller(mm)	1500	
Power of Double Roller(kw)	5.5kw x 1	AC induction motor
Power of Single Roller(kw)	5.5kw x 2	AC induction motor
Power of Screw Feed(kw)	5.5kw	AC Servo motor
Power of Rotary Clipper(kw)	1.5kw	AC induction motor
Power of Rubber roller (kw)	1.5kw	AC induction motor
Power of Conveyor (kw)	1.5kw	
Total Power(Kw)	26.5kw	
Roller Reducer	Hardened Helical Gear Reducer X 3	
Screw Feed Reducer	Hardened Helical Gear Reducer X 1	
Clipper Reducer	Hardened Worm Gear Reducer X 1	
Rubber Roller Reducer	Hardened Worm Gear Reducer X 1	
Veneer output speed(m/min)	50m/min	
Blade (mm)	1500*180*16	
Max opening(mm)	450	
Minimum Log core	24mm	
Thickness(mm)	0.4 - 2.8	
Clipper width(mm)	>= 400 mm	
Diameter of screw(mm)	70mm	
Control Unit	Closed loop Servo control	PLC Control System
Size(mm)	4250*2040*1500	
	Length(mm)*Width(mm)*Height(mm)	
Weight(kg)	4500	

4 FEET 90 M/MIN. HIGHSPEED VENEER PEELING MACHINE

MODEL : TAURUS STAR



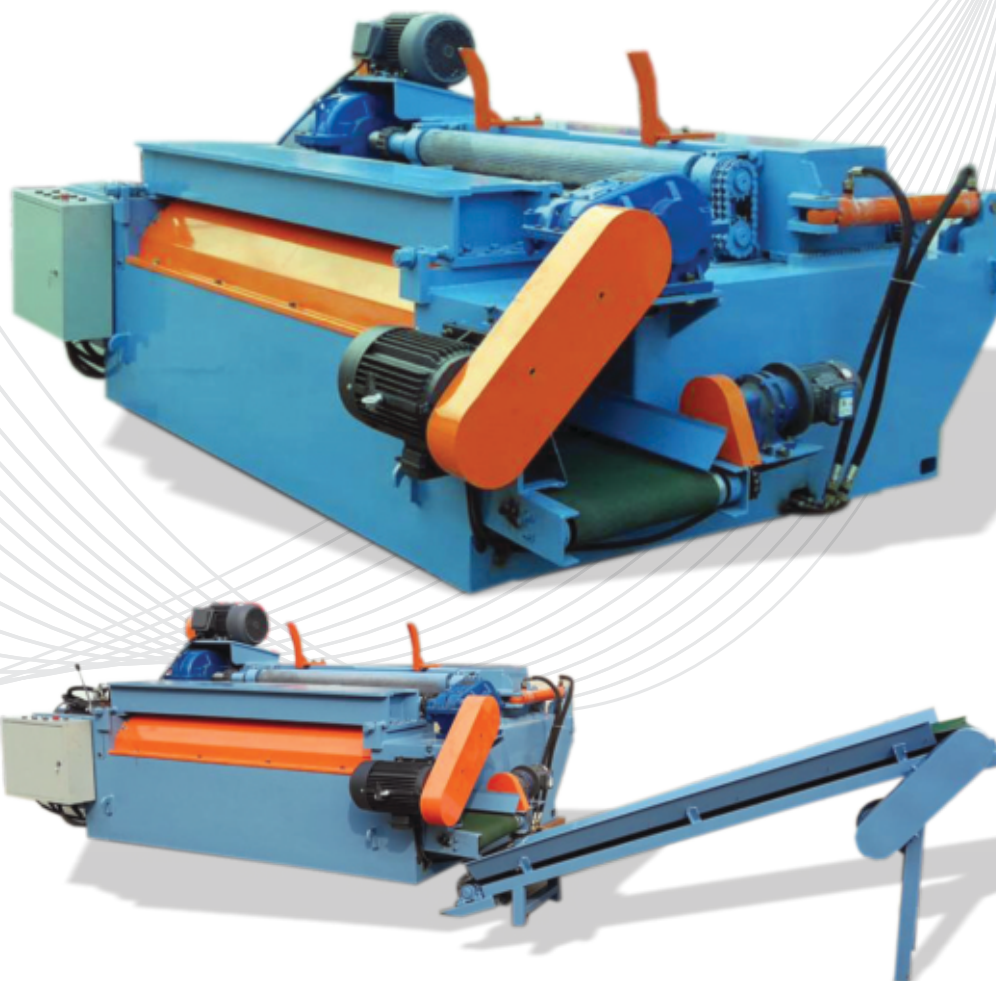
INDIA'S MOST ADVANCED & RELIABLE HIGH SPEED VENEER PEELING MACHINE

PARAMETER	VALUE	NOTES
Length of the Roller(mm)	1500	
Power of Double Roller(kw)	7.5kw X 2	AC induction motor
Power of Single Roller(kw)	7.5kw X 2	AC induction motor
Power of Screw Feed(kw)	7.5kw	AC Servo motor
Power of Rotary Clipper(kw)	1.5kw	AC Servo motor
Power of Rubber roller (kw)	1.5kw	AC induction motor
Power of Conveyor (kw)	1.5kw	
Total Power(Kw)	42.0kw	
Roller Reducer	Hardened Helical Gear Reducer X 4	
Screw Feed Reducer	Hardened Helical Gear Reducer X 1	
Clipper Reducer	Hardened Worm Gear Reducer X 1	
Rubber Roller Reducer	Hardened Worm Gear Reducer X 1	
Veneer output speed(m/min)	30-90 m/min Adjustable	
Blade (mm)	1500*180*16	
Max opening(mm)	500	
Minimum Log core	24mm	
Thickness(mm)	0.4 - 3.6	
Diameter of screw(mm)	90mm	
Control Unit	Peeling Speed Adjust System Closed loop Servo control	PLC + Touch Screen
Size(mm)	4150*2080*1540 Length(mm)*Width(mm)*Height(mm)	
Weight(kg)	6500	

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HEAVY DUTY 4 FT. WOOD CHIPPER DEBARKER

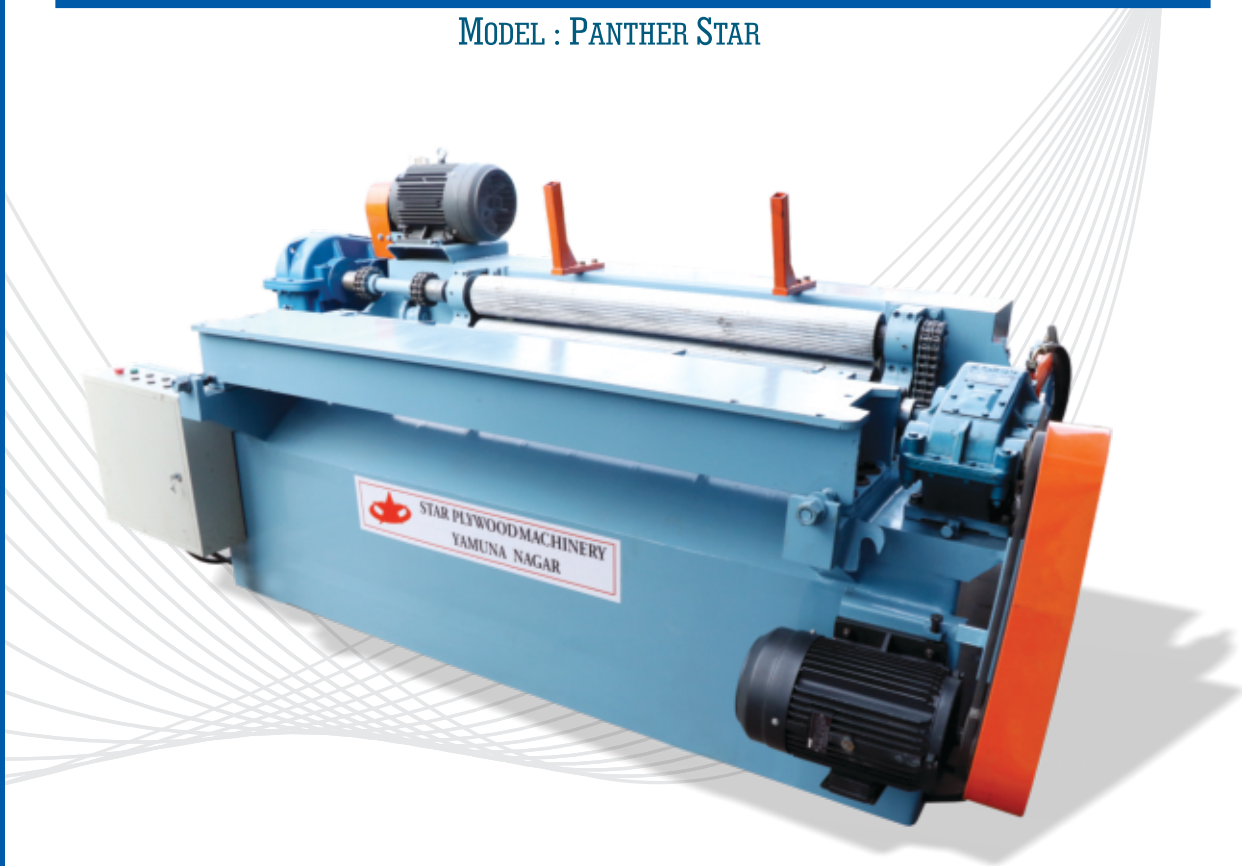


INTRODUCED IN INDIA FOR THE FIRST TIME BY STAR PLYWOOD MACHINERY

PARAMETER	VALUE	NOTES
Length of the Roller	1500 mm	
Power of Double Roller	11kw	AC induction motor
Power of Single Roller	7.5 kw	AC induction motor
Power of Oil Pump	5.5 kw	AC induction motor
Power of Chipper	11 kw	AC induction motor
Power of Conveyor	1.5 kw	AC induction motor
Total Power	36.5 kw	
Double Roller Reducer	Helical Gear Reducer x 1	
Single Roller Reducer	Helical Gear Reducer x 1	
Conveyor Reducer	Worm Gear Reducer x 1	
Max Opening	500 mm	
Size (LxWxH)	3700*2300*1550	
Weight	4500 kg	

HEAVY DUTY 4 Ft. WOOD DEBARKER MACHINE

MODEL : PANTHER STAR



SPECIALLY DESIGNED FOR INDIAN HARDWOOD

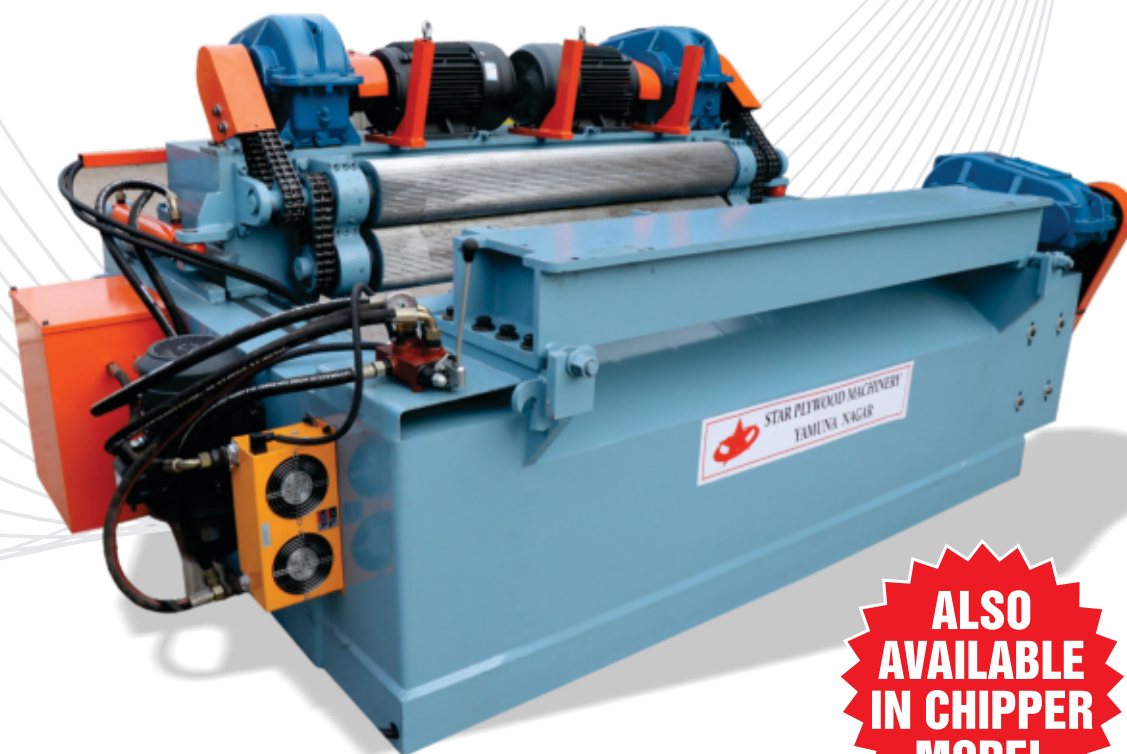
PARAMETER	VALUE	NOTES
Length of the Roller(mm)	1500	
Power of Double Roller(kw)	11 kw	AC induction motor
Power of Single Roller(kw)	7.5 kw	AC induction motor
Power of Hydraulic Pump (kw)	5.5 kw	AC induction motor
Total Power(Kw)	24 kw	
Double Roller Reducer	Hardened Helical Gear Reducer x 1	Size 350
Single Roller Reducer	Hardened Helical Gear Reducer x 1	Size 250
Max opening(mm)	550 (mm)	
Size(mm)	3790*2180*1600 (mm)	
Diameter of Steel Rollers	200 (mm)	
Weight(kg)	4000	

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SUPER HEAVY DUTY 4 Ft. WOOD DEBARKER MACHINE

MODEL : TIGER STAR



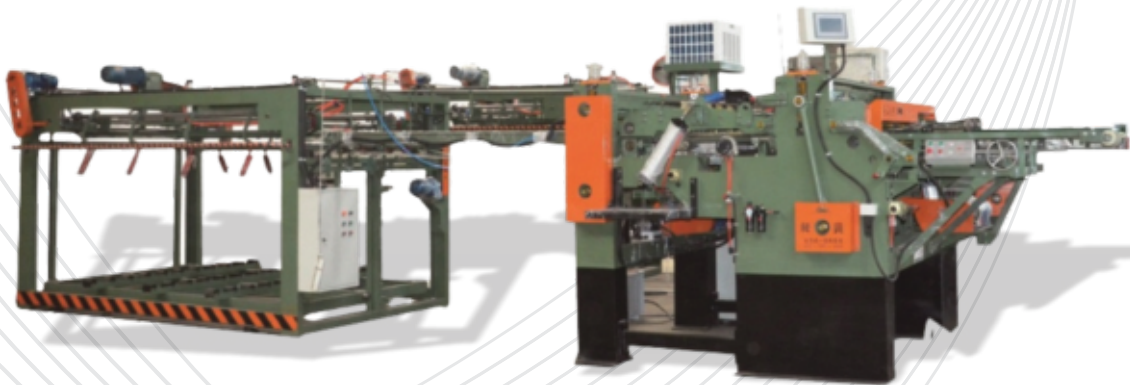
**ALSO
AVAILABLE
IN CHIPPER
MODEL**

SPECIALLY DESIGNED FOR INDIAN HARDWOOD

PARAMETER	VALUE	NOTES
Length of the Roller(mm)	1500	
Power of Double Roller(kw)	11kw x 2	AC induction motor
Power of Single Roller(kw)	11kw	AC induction motor
Power of Oil Pump(kw)	5.5kw	AC induction motor
Total Power(Kw)	38.5kw	
Double Roller Reducer	Hardened Helical Gear Reducer x 2	Size 350
Single Roller Reducer	Hardened Helical Gear Reducer x 1	Size 350
Max opening(mm)	550 (mm)	
Size(mm)	3500*2300*1550 (mm)	
Diameter of Steel Rollers	150 (mm)	
Weight(kg)	4500	
Advantage	Oil Cool System	

CORE VENEER COMPOSER MACHINE (4x8 FEET)

MODEL : STAR COMPOSER



SPECIALLY DESIGNED FOR INDIAN WORKING CONDITIONS

PARAMETER	VALUE
Model	Star : Composer
Driver	Servo-type
L*W*H	12000*2600*2500mm
Structure	Integral steel plate cutting
Transmission speed	0-35m/minute adjustable
Working efficiency	300pcs/h
Composing machine length(mm)	3600mm
Composing machine height(mm)	2500mm
Composing machine width(mm)	2600mm
Stacker length(mm)	4000mm
Stacker height (mm)	2500mm
Stacker width (mm)	2200mm
PLC computer module	Delta PLC(Tai wan)
Total weight	6500kg
Total power	16.5kw
Front driver	Siemens servo motor 3.5kw
Rear driver	Siemens servo motor 3.5kw
Edge cutter driver	Motor+ CHAIN TAIL clutch(Tai wan)
Front drive reducer	Star type reducer8/1
Rear drive reducer	Star type reducer8/1
Rotary actuator	FESTO (Germany)
Automatic core veneer corrector	✓
Water cooling air condition	✓
Electric lateral platform	✓
4x4-4x8 electric conversion	✓
Elevator-platform	✓
Speed control	✓
Finished panel Counter	✓

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SINGLE HEAD SANDING + POLISHING MACHINE

MODEL : STAR SANDER SINGLE HEAD



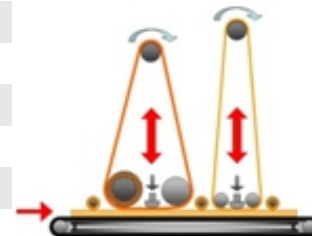
Machine	Single Head Wide Belt Sander
Sanding Width	40-1300mm
Sanding Thickness	2.5~80mm
Sanding Length	>600mm
Abrasive belt speed	14m/s
Size of Abrasive belt	1330x2500mm
Motor for sanding head	18.5kw
Feeding motor	4kw
Lifting motor	0.37kw
Brushing motor	0.37kw
Feeding speed	15-75m/min
Operating pressure	0.6Mpa
Machine Weight	2200kgs
Machine Size	2100x2900x2440mm

DOUBLE HEAD SANDING + POLISHING MACHINE

MODEL : STAR SANDER DOUBLE HEAD



Machine	Double Head Wide Belt Sander
Machine name	2-Head Wide Belt Sander
Functions	Sanding + Polishing & Finishing Polishing
Working width	40-1300 mm
Working thickness	2.5-80 mm
Working length	>580 mm
Speed of feeding	6-45 m/min
Revolving speed of 1st / 2nd sanding belt	18 m/s - 14 m/s
Size of 1st / 2nd sanding belt (W×C)	1330x2200 mm
Dia. of 1st contact roller	Φ210 mm
Hardness of 1st contact roller	55/28 shore grooved soft rubber roller For polishing
Hardness of 2nd contact roller	Pneumatic Pad; Felt Pad
Type of polishing pad of 1st / 2nd sanding unit	Pneumatic polishing pad with air bag For polishing
Motor power of 1st / 2nd sanding unit	22 kW - 15 kw
Motor power of feeding	4 kW
Motor power of thickness adjustment	0.55 kW
Motor power of brush roller	0.37 kW
Motor power of vacuum working table	3 kW
Total Motor Power	44.92 kW
Power supply requirement	415/440 V AC, 50 Hz, 3 Phase
Compressed air pressure	0.55 MPa
Compressed air consumption	0.76 m³/min
Dust extraction requirement	8000 m³/h
Min. sucked air velocity	25-30 m/s
Dia. of dust hood outlet for sanding unit	Φ200 mm x 2 pcs
Dia. of dust hood outlet for brush roller	Φ150 mm x 1 pcs
Machine weight	3000 kg
Machine overall size (LxWxH)	1950x2530x1970mm
Machine packing size (LxWxH)	1780x2530x2025 mm



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CNC AUTOMATIC PLYWOOD EDGE TRIMMING SAW

MODEL : STAR EDGE SAW



ADVANTAGE

1. Servo control system ,use Permanent Magnet Synchronous Motor, use of Absolute encoders, Easy to use, very accurate size trimming. Fast speed and large amount of output.
2. Size of the plywood adjustable, one machine for every kind of the plywood.
3. Use very good bearings and good lubrication system, reliable quality and very few maintenance.
4. Infrared ray to fix the location for accuracy
5. High Productivity and good quality
6. Automatic Stacking unit
7. Electronic width adjustment (**3x6 to 4 x8 feet adjustable**)
8. Use of feed **SERVO MOTORS**
9. Use of most advanced control system

PARAMETER	VALUE
Size of the plywood	3x6 to 4x8 feet Adjustable
Length	1830-2500
Width	900-1300
Thickness	10 - 60 mm
Diameter of the Saw blade	305mm
Feeding speed	30 - 60 m/min
Line speed of the saw blade	90-120 m/s
Total Power	37 kw

8 FEET HIGHSPEED VENEER PEELING MACHINE

MODEL : AQUARIUS STAR



PARAMETER	VALUE	NOTES
Length of the Roller (mm)	2700 mm	
Power of Double Roller (kw)	11 kw x 2	AC induction motor
Power of Single Roller (kw)	11 kw x 2	AC induction motor
Power of Screw Feed (kw)	7.5 kw	AC induction motor
Total Power	51.5 kw	
Roller Reducer	Helical Gear Reducer x 4	
Screw Feed Reducer	Helical Gear Reducer x 1	
Veneer outbox speed (m/min)	30-80 m/min adjustable	
Blade	2700*180*16	
Screw Diameter (mm)	90 mm	
Max Opening (mm)	500	
Minimum Log core Thickness (mm)	30 mm	30 mm
Control Unit	Peeling Speed Adjust System Closed loop servo control	PLC + Touch Screen PLC + MOBIO
Size	6200*2300*1650	
Weight	10000	

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4 FEET FULLY **AUTOMATIC** KNIFE GRINDER

MODEL : GRIND STAR



SEMI AUTOMATIC

SPECIALLY DESIGNED FOR INDIA

PARAMETER	VALUE
Maximum Grinding Length	1600mm
Size of Worktable Size(Length*Width)	1550*180mm
Size of Grinding Wheel	200*100*32mm
Grinding Speed	About 14m/min
Angle of Grinding Head Rotation	±10
Angle of Worktable Rotation	±90
Type of Transmission	Belt Transmission
Power of Grinding Head Motor	3.0 KW
Total Weight	1000 KG
Knife Holdings	Magnetic



**TOUCH
SCREEN
CONTROL
SYSTEM**

FULLY AUTOMATIC

4 FEET FULLY AUTOMATIC PEELING PRODUCTION LINE





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