



THE CUTTING EDGE OF VENEER INDUSTRY



DARSHAN is a renowned and leading manufacturer of rotary veneer lathes, catering to the woodworking industry. With a rich history dating back to 1985, the company has consistently demonstrated its commitment to excellence and innovation in the field of veneer lathe manufacturing.

Since its inception, **DARSHAN** has focused on producing high-quality rotary veneer lathes that meet the diverse needs and demands of its customers. The company has established a strong reputation for manufacturing robust, reliable, and efficient machines that deliver exceptional performance.

DARSHAN supplies a wide range of machines for rotary veneer production including log handling, veneer peeling, grading, cutting and stacking. Our equipments fit into any customers' needs, from small production capacity with simple lines up to fully automated large production capacity lines.

The various models of spindle and spindleless series lathes allow the operation with a wide range of log lengths and diameters, ensuring the correct machine to each wood species, from small diameter reforested logs up to large diameter tropical logs.

Most advanced technology for veneer production, associated to the use of components from qualified and worldwide suppliers, you will always count on reliability, highest recovery rate and best veneer quality, no matter how small or large your production requirement is.

Customer satisfaction is a top priority for **DARSHAN** the company maintains strong relationships with its clients and works closely with them to understand their specific requirements. By offering customized solutions and providing reliable after-sales support, **DARSHAN** has built long-term partnerships with numerous woodworking businesses around the world.

In addition to its focus on product quality and customer service, **DARSHAN** also places great importance on environmental sustainability. The company recognizes the significance of responsible manufacturing practices and incorporates eco-friendly features into its veneer lathes wherever possible. By reducing energy consumption and minimizing waste generation, **DARSHAN** strives to contribute to a greener and more sustainable future.

PROUDLY 100% MADE IN INDIA



SPINDLELESS LOG PEELING VENEER LINE

The spindleless veneer peeling lines were developed to process small diameter logs or log cores from traditional peeling lines. Allows log peeling to a very small diameter final core, ensuring high recovery rate of the wood .Although having a compact construction, count on most modern automation resources and peeling process control features, ensuring high veneer quality, thickness accuracy, high production output and low labor requirement,

SPINDLELESS LOG PEELING MACHINE MODEL DMEW/SL/133-56

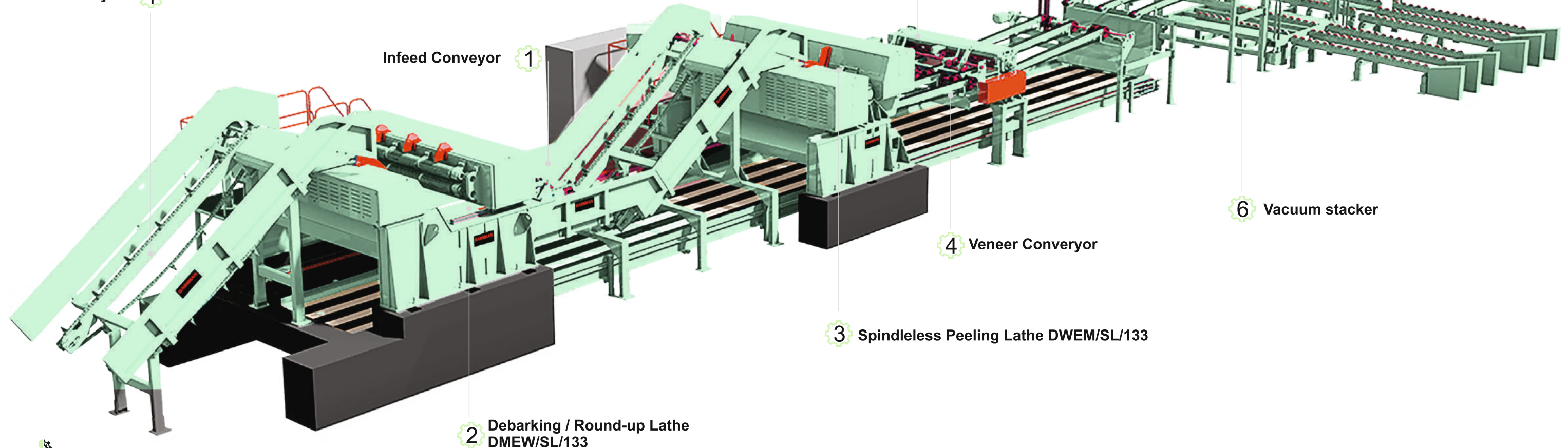
- Robust frame built of welded steel plates
- Powered roller bar
- Back-up roll and roller-bar driven electric motor ensuring three traction points on the Log
- Movements on linear guides driven by servo motor and ball screw shaft
- Knife gap set-up driven by servo - motor and control from PLC. Allows quick opening for the gap between Knife and counter -Knife as the log diameter decreases ensuring better precision gauge
- Programmable knife pitch angle . Allow the variation of the Knife angle as the diameter of the log decreases ensuring better thickness accuracy . Command is made by a PLC with possibility of angle variation curves.
- Carriage travel on reinforced guides
- User friendly operation and set-up on touch screen panel

Infeed Conveyor 1



Infeed Conveyor 1

Infeed Conveyor 1



5 Rotary Clipper
DMEW/SL/133

6 Vacuum stacker

4 Veneer Converyor

3 Spindleless Peeling Lathe DWEM/SL/133

2 Debarking / Round-up Lathe
DMEW/SL/133

SPINDLELESS LOG PEELING MACHINE

MODEL DMEW/SL/133



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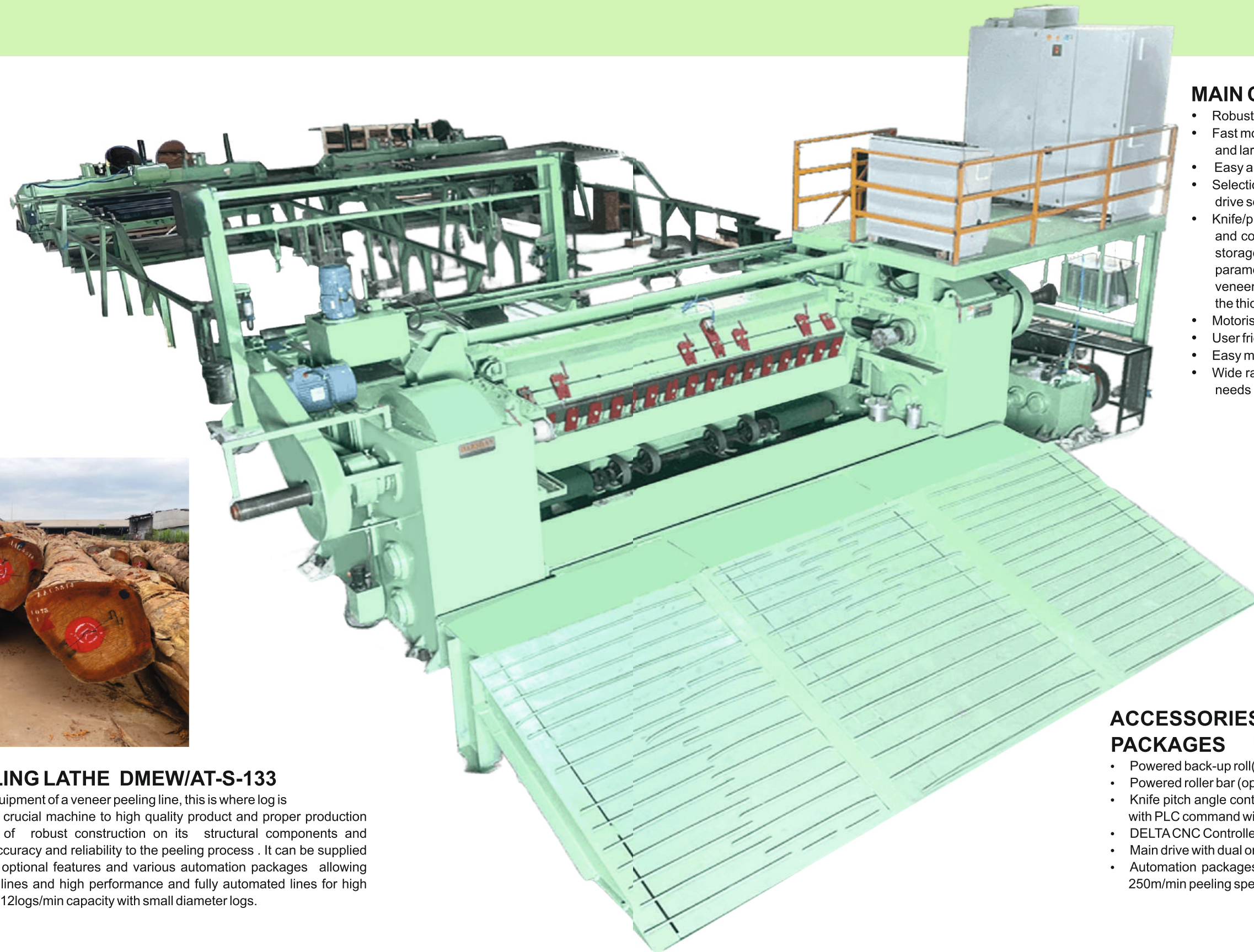
CNC SPINDLE LOG

PEELING LATHE DMEW/AT-S-133



CNC SPINDLE PEELING LATHE DMEW/AT-S-133

The Lathe is the most important equipment of a veneer peeling line, this is where log is converted into veneer , being the crucial machine to high quality product and proper production capacity achievement. Provided of robust construction on its structural components and mechanisms ensuring stability , accuracy and reliability to the peeling process . It can be supplied with wide range of accessories , optional features and various automation packages allowing configuration of basic production lines and high performance and fully automated lines for high production level , achieving upto 8-12logs/min capacity with small diameter logs.



MAIN CHARACTERISTICS:

- Robust construction
- Fast movements allowing high peeling speed and large production capacity
- Easy and precise set-up
- Selection of thickness with digital carriage drive servo motor
- Knife/pressure bar gap with servo cylinder and command with PLC . The system allow storage of peeling recipes with different parameters according to wood species or veneer thickness and also allows changing the thickness without stopping the machine
- Motorised spindles
- User friendly and good operator view position
- Easy maintenance
- Wide range of models, fits into any customer needs

ACCESSORIES AND AUTOMATION PACKAGES

- Powered back-up roll(optional)
- Powered roller bar (optional)
- Knife pitch angle control with servo cylinder and command with PLC command with PLC
- DELTA CNC Controller
- Main drive with dual or single motor
- Automation packages to achieve upto 8-12 logs/min and 250m/min peeling speed.

8FT SPINDLE LOG PEELING MACHINE

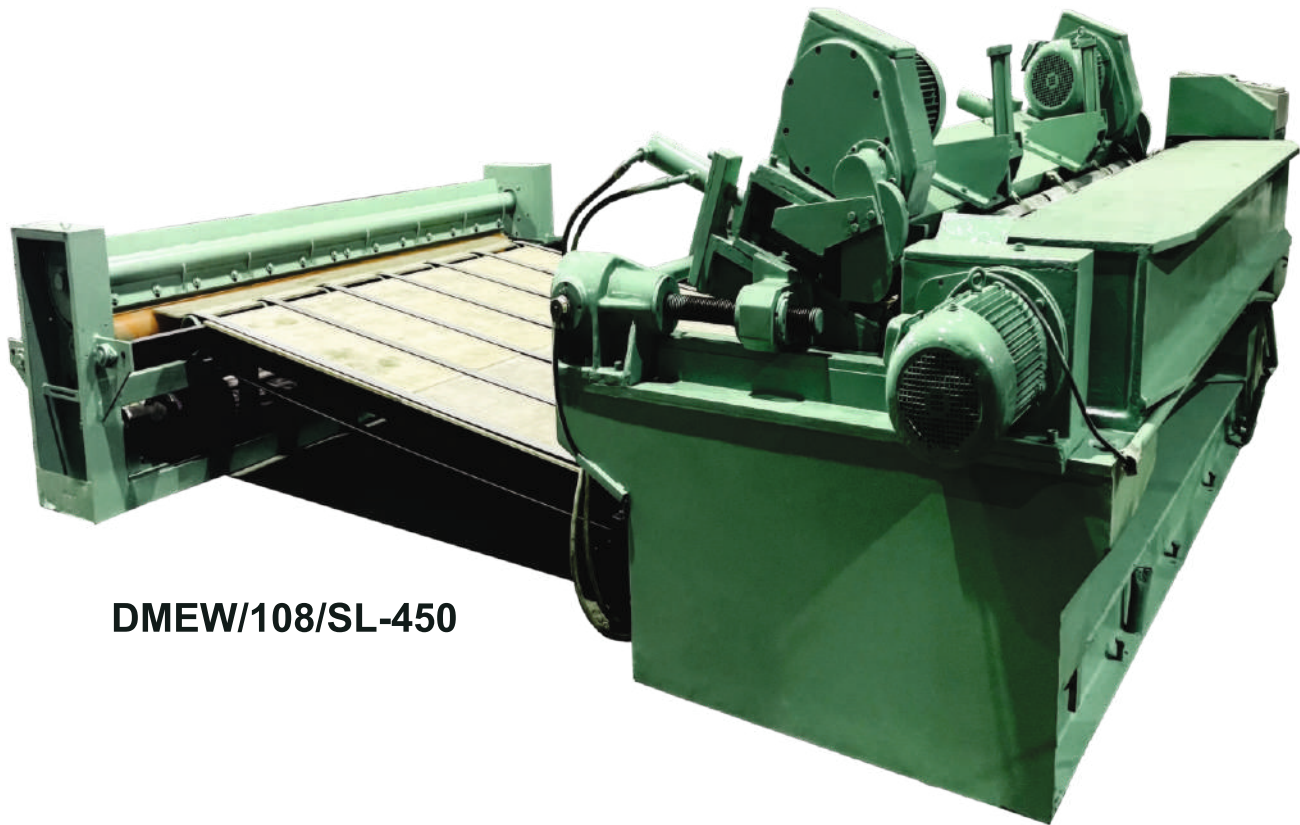


TECHNICAL SPECIFICATION OF VENEER LATHE

- Single Dia : 1500 mm
- Spindle RPM : 150 / 300
- Digital Control System of Pressure Bar Horizontal & Vertical movement.
- Knife cutting angle can be seen longitudinal.
- Digital system dia of the log can be seen on screen.
- Auto and Manual mode of speed increasing of the lathe
- Machine can be set like cruise control that helps in Synchronising reeling attachment.
- After peel dia : 130mm as per timber quality.
- Veneer Thickness : 0.25-3.50
- Power main motor HP : 125 with 2 speed gear box.
- Total Power HP : 170
- Knife Length : 108"
- Transmission through Gear Trains
- Branded switch gear electrical panel.
- Extra heavy duty main bearings
- Heavy Duty caste iron knife holder & pressure bar.
- Minimum log length to be chuck 1800 mm with attachment
- Heavy duty M.S. Iron Fabrication body.
- All shafts / Spindles EN series.
- Pneumatically operated Feed Mechanism.
- Disc Drive Break / Clutch System
- Air Compressor
- Power Pack
- Auto Lubrication system through cooling pumps



108” SPINDLE-LESS LOG VENEER MACHINE WITH INBUILT AUTO CUTTER AND REELING SYSTEM OPTIONAL



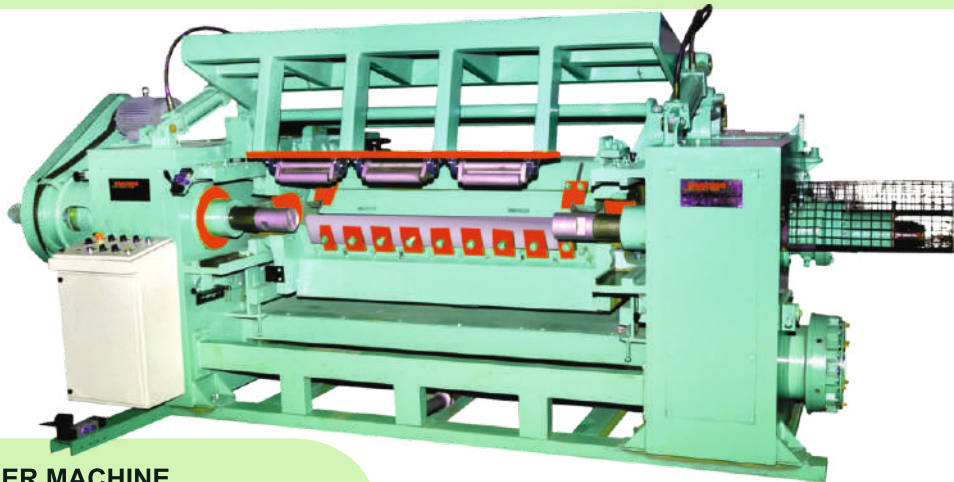
DMEW/108/SL-450

108” SERVO SPINDLELESS TECHNICAL DATA

- Main Feed Servo Motor
- Roller Dia 121 mm
- Roller Main Motor : 7.5 Kwx4
- Auto Inbuilt Veneer cutter 18 ft with Conveyor.
- Thickness .20 to 3 mm
- Multi Speed Upto 100 MPM
- Log Lifting attachment with waste roller outlet conveyor system
- Robust Design

BUILT IN A SINGLE PIECE
56" LOG PEELING MACHINE (CORE VENEER)

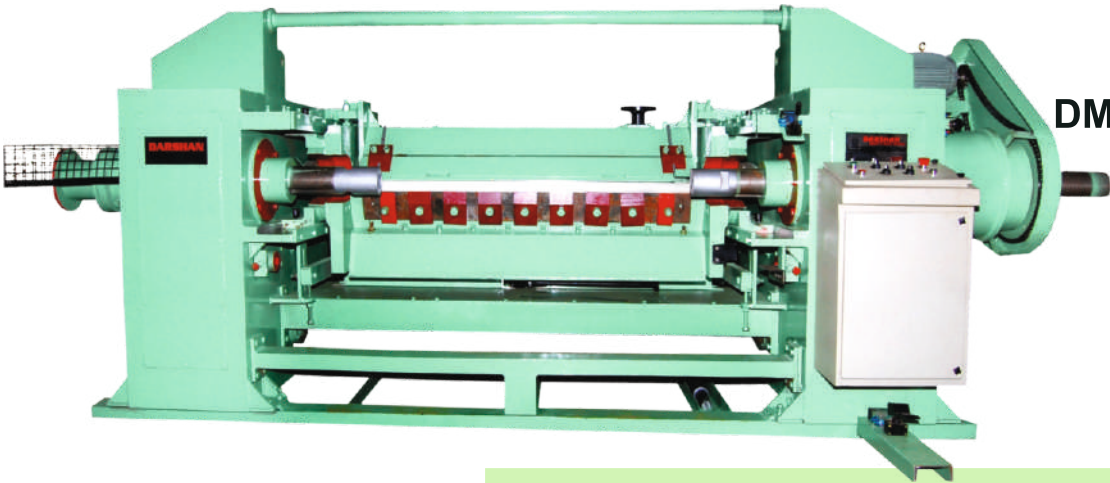
DMEW/SPL-101



HYDRAULIC VENEER MACHINE
TECHNICAL SPECIFICATIONS (DMEW/SPL-101)

Diameter of log To Be Peeled	1000 mm
Spindle R.P.M	110/300
Processing Length	1420 mm
Residual log Diameter (as per timber)	40 - 50 mm
Power H.P	45
Veneer Thickness	0.93 - 3.50 mm

DMEW/SVPL-103

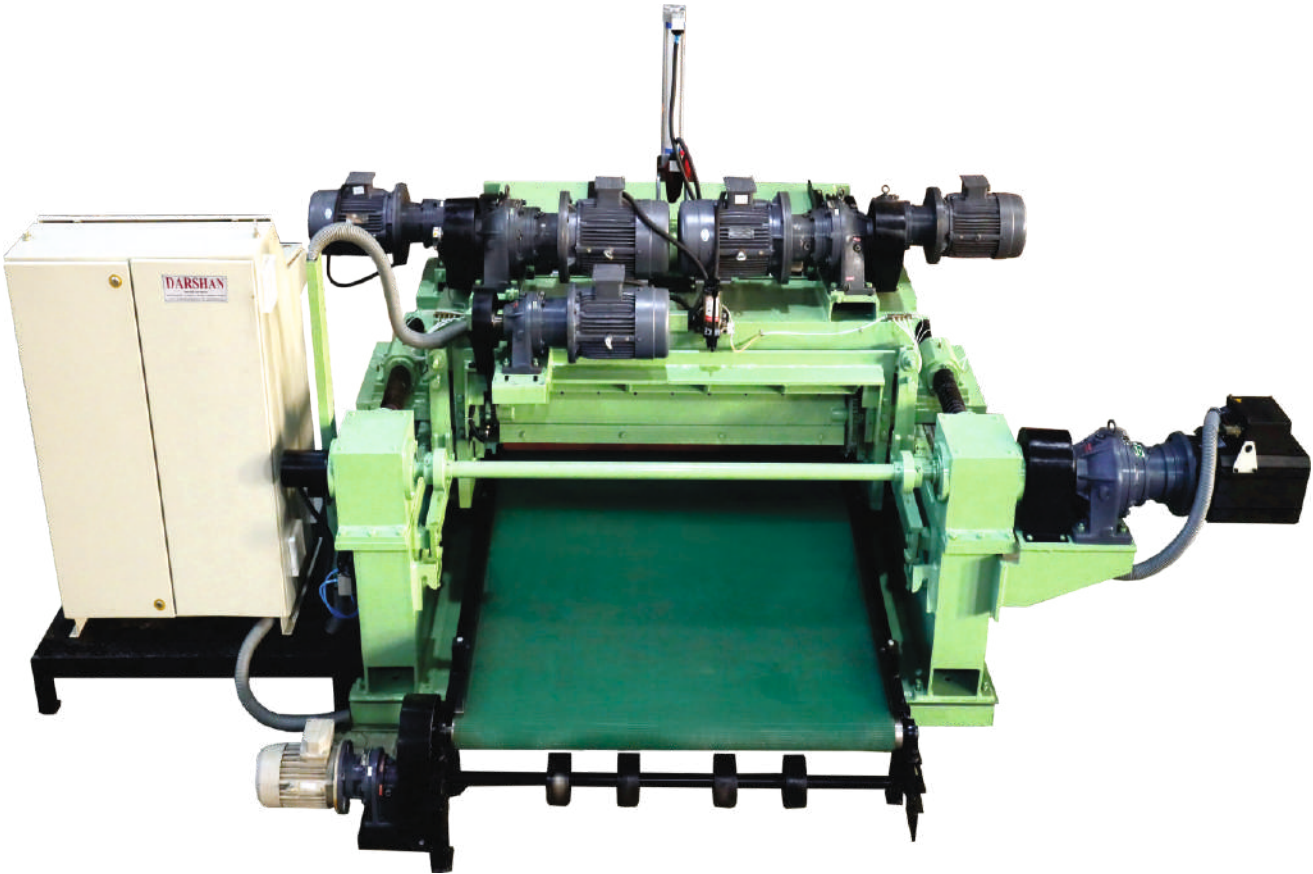


PNEUMATIC VENEER MACHINE
TECHNICAL SPECIFICATIONS (DMEW/SPVL-103)

Diameter of log To Be Peeled	1000 mm
Spindle R.P.M	110/300
Processing Length	1420 mm
Residual log Diameter (as per timber)	50 - 70 mm
Power H.P	40
Veneer Thickness	0.93 - 3.50 mm

SPINDLE-LESS LOG VENEER MACHINE
WITH INBUILT AUTO CUTTER

(DMEW/SL-450)



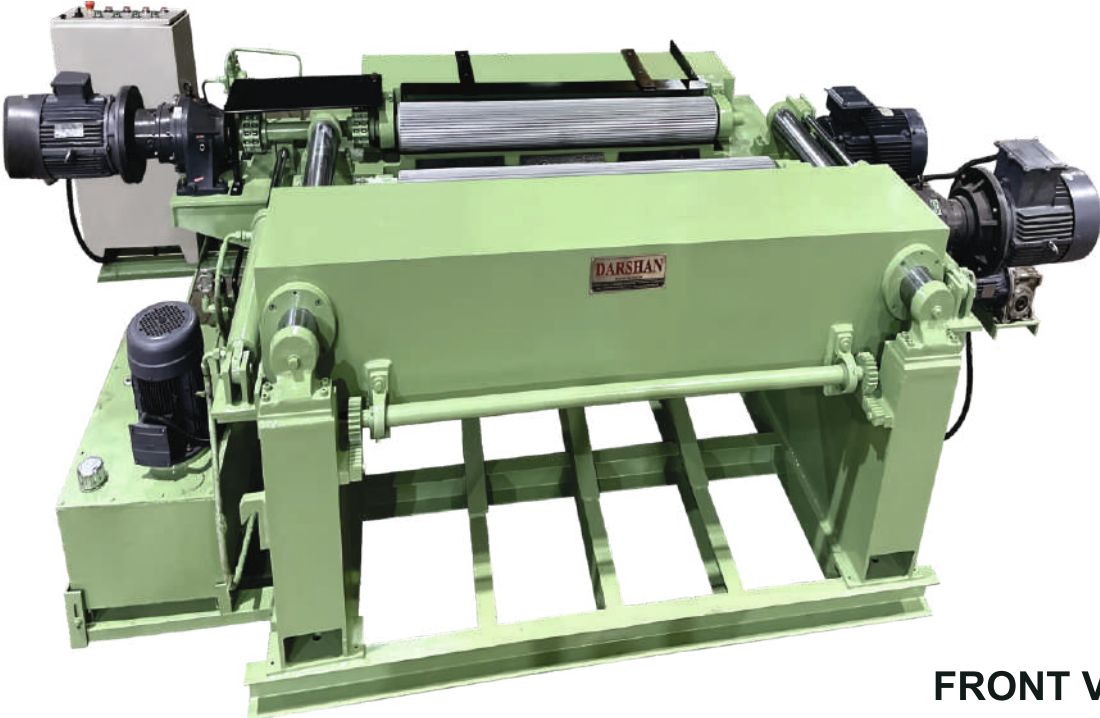
4' SERVO SPINDLELESS

TECHNICAL DATA

- Main Feed Servo Motor
- Roller Dia 121 mm
- Roller Main Motor : 7.5 KwX4
- Auto Inbuilt Veneer cutter 36 ft with Conveyor.
- Thickness .5 to 3 mm
- Multi Speed Upto 150 MPM
- Thickness Tolerance As You Get In Hydraulic Machine Guaranteed
- Log Lifting attachment with waste roller outlet conveyor system
- Purchasers have to provide earthing arrangements 3 pits earthing working criteria from Neutral to Earth 2-5 volts

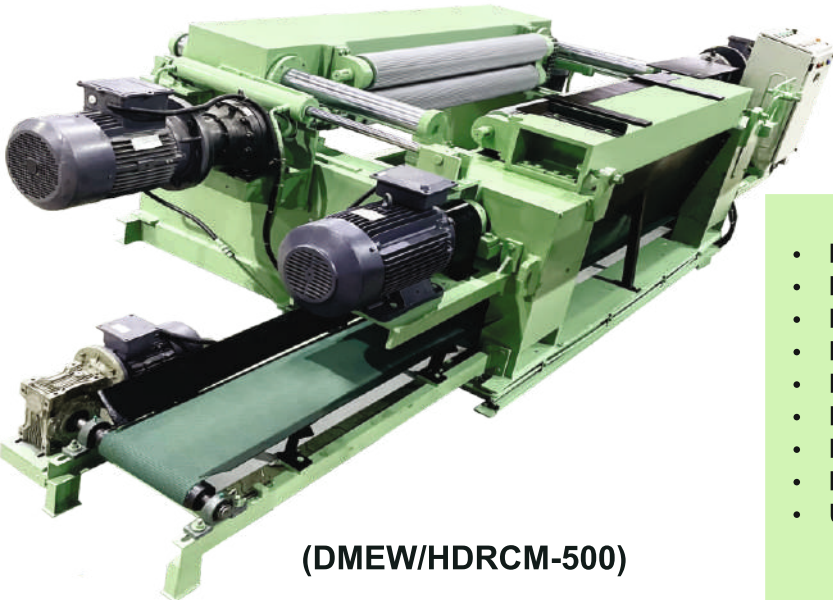
HEAVY DUTY LOG DEBARKER

(DMEW/HDR-500)



FRONT VIEW

HEAVY DUTY LOG CHIPPER DEBARKER



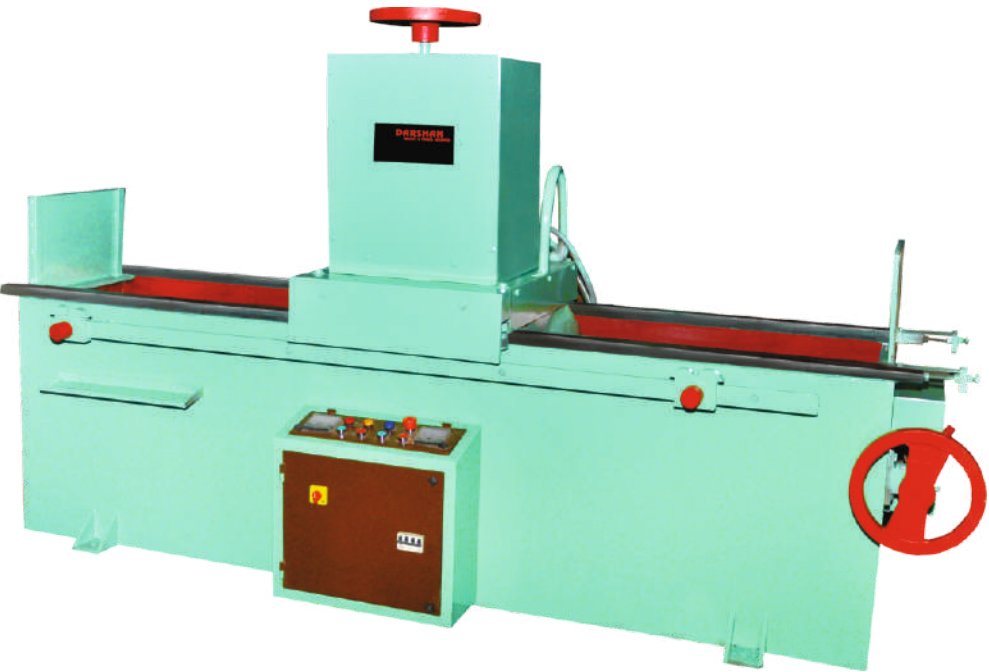
(DMEW/HDRCM-500)

TECHNICAL DATA

- Max Dia. 500 mm
- Min. Dia 130 mm
- Power HP 48
- Roller Dia. 165 mm (Chilled Material)
- Hydraulic Feed
- Hardcrome Guide Pipes
- Robust Heavy Duty Slides with Rack & Pinion
- Maintenance Free
- Unique Design / Chipper Model

KNIFE GRINDER

Knife Grinder Heavy Duty Fully Automatic is in high demand for its utility in diverse industries. The production process of the Automatic Knife Grinding Machine is supervised by a team of highly skilled experts. We make available the quality range of Automatic Knife Grinding Machines at best quality prices within a predetermined duration.

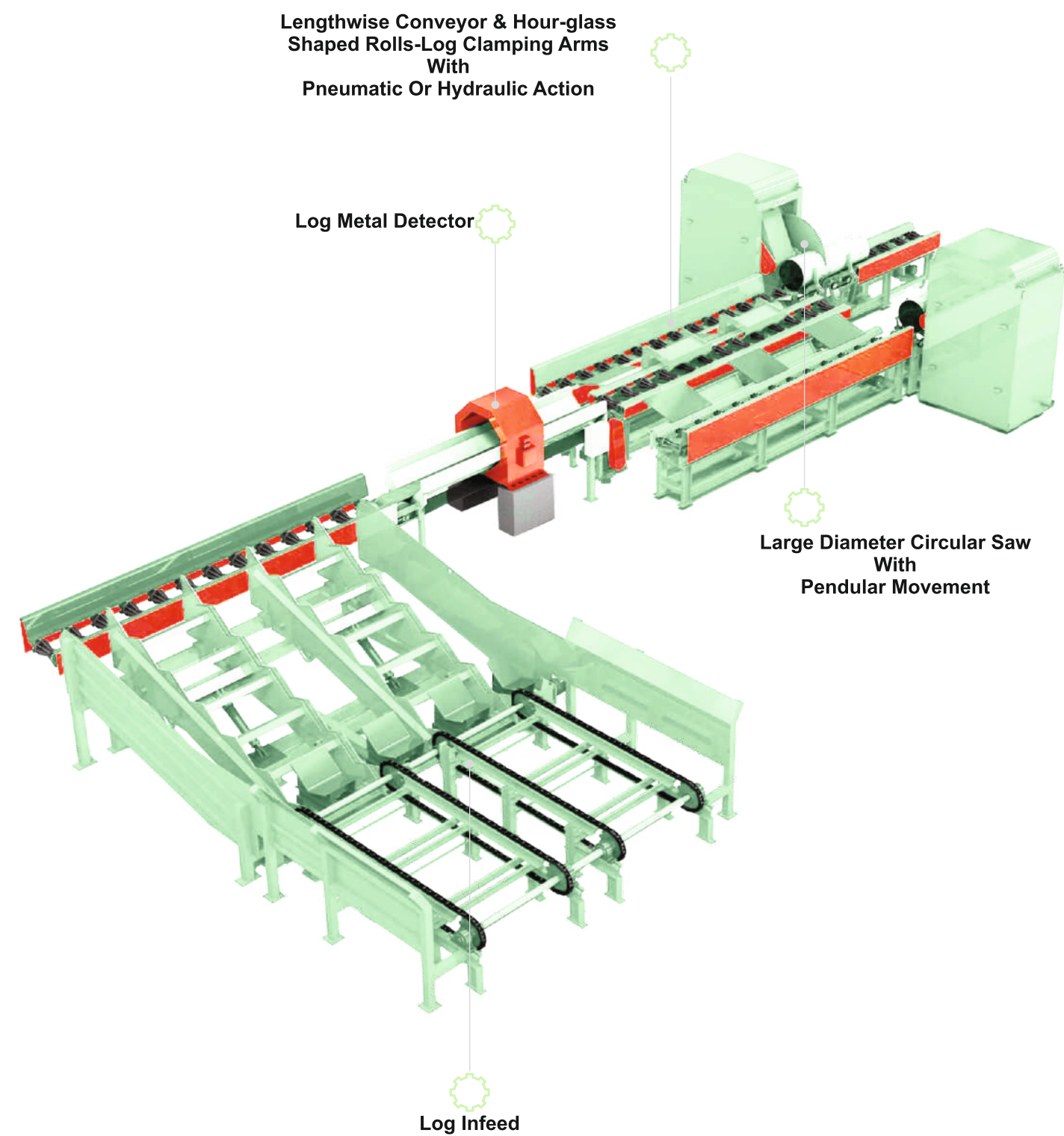


4-10 FT GRINDING MACHINE TECHNICAL DATA

- Machine table moveable from 0 to 90 degree
- Grinding Angle
- Heavy Duty Bed
- Automatic Down Feed
- Complete with all electrical motors and coolant pumps
- Grinding head with 8 grinding stones
- Movement of X Axis control by variables Drives 0-20 m/s.
- Overhead motor 15 HP
- Total HP 17 HP

LOG HANDLING AND

CROSS CUT SAW



LOG HANDLING

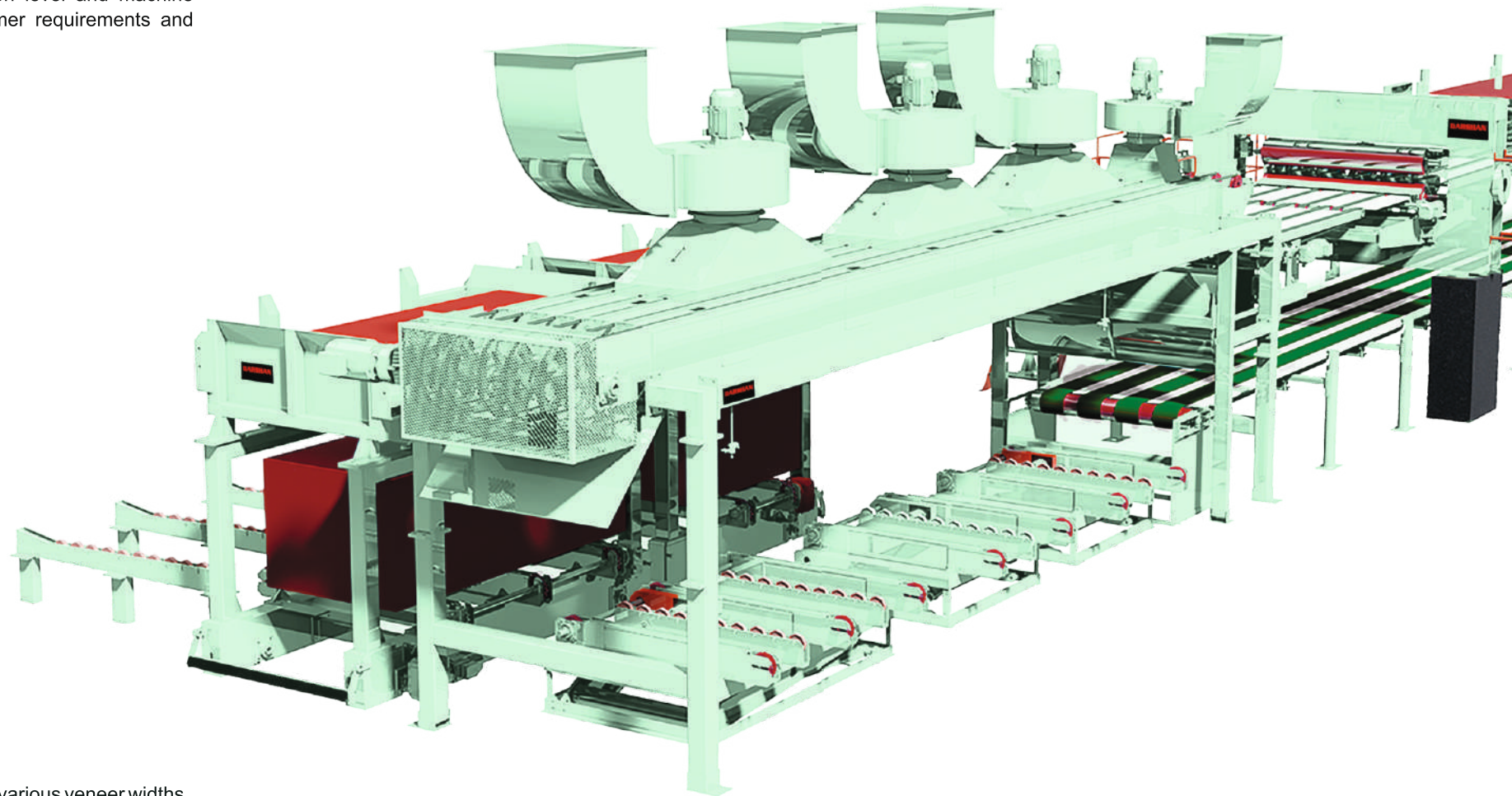
Complete log reception and integrated handling system can be configured according to automation level customer requirement . The logs are received onto infeed deck and singulating unit and transported towards processing units for metal detection debarking size cutting , transport and delivery to peeling line

The equipment is a combination of a log circular chop - saw and a lengthwise conveyor with hour-glass shaped rolls. The conveyor receives the entire log at the infeed side moving forward towards the chop-saw to be cut at desired length.



VENEER STACKING AND DELIVERY (SYSTEM)

Various options for veneer delivery and stacking ensure an accurate and precisely piled veneer bundle, making easier the further handling or drying process. The automation level and machine features are designed according to customer requirements and production capacity.



8X8' FULL SHEETS STACKING AND HANDLING

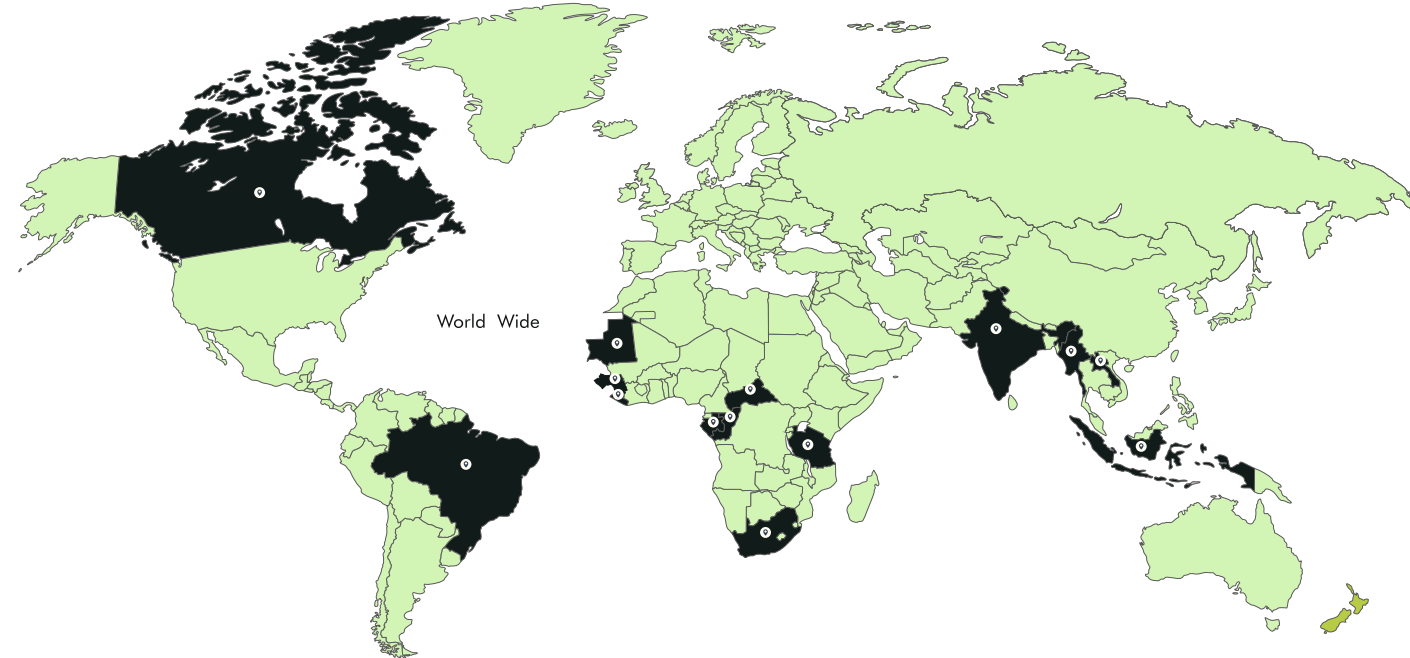
- Automatic stacking of full sheet 8x8ft.
- Automatic transfer to bundle split system with circular saw SC model.
- Split system with bundle infeed/outfeed conveyor with four chains.
- Splits 8x8' bundles converting to two 4x8' bundles.
- Automatic cutting cycle with large diameter circular saw.

VACUUM STACKER

- 2, 3 or 4 vacuum beams.
- Displaceable vacuum beams available in case of various veneer widths.
- Number of stacking bins according to customer requirements.
- Pneumatic diverter for randons and defect separation.
- Transport system with timing belt.
- Stacking according to moisture level.
- Stacking onto hydraulic scissor lifts with discharge with free roller or motorized system as on option.
- Automatic bundle discharge carriage and pallet feeder.
- Full automatic handling system with transfer carriage and bundle pick -up at single point discharge conveyor.

ACCESSORIES AND AUTOMATION PACKAGES

- Powered by vacuum motors.
- Provided of infeed/outfeed chain conveyor with spot beams for bundle fork lift pick-up
- Waste clipping gate.
- Installed under the veneer transport system, the return conveyor is used to transport waste veneer towards the waste conveyor and random pieces to be manually caught.
- Accurate veneer stacking at high speed upto 180m/min.
- Equipped with high capacity moisture sensors and veneer data analyser.



SINCE 1985

DARSHAN

MECHANICAL & ENGINEERING WORKS

EXPORTERS, DESIGNERS & MANUFACTURERS OF FACE & CORE VENEER PLANTS

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