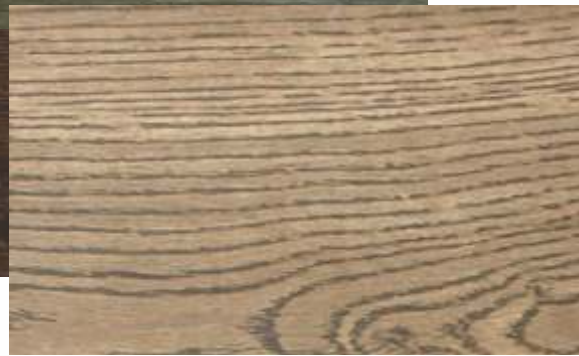
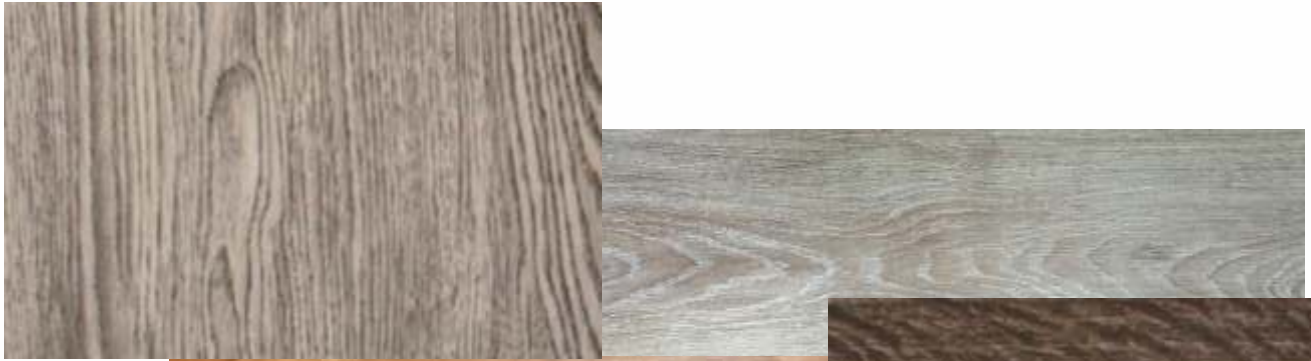




Trusted Technology
Lasting Relationships



Short Cycle Lamination Line

Press Lines For Impregnated Paper Lamination

ABOUT US

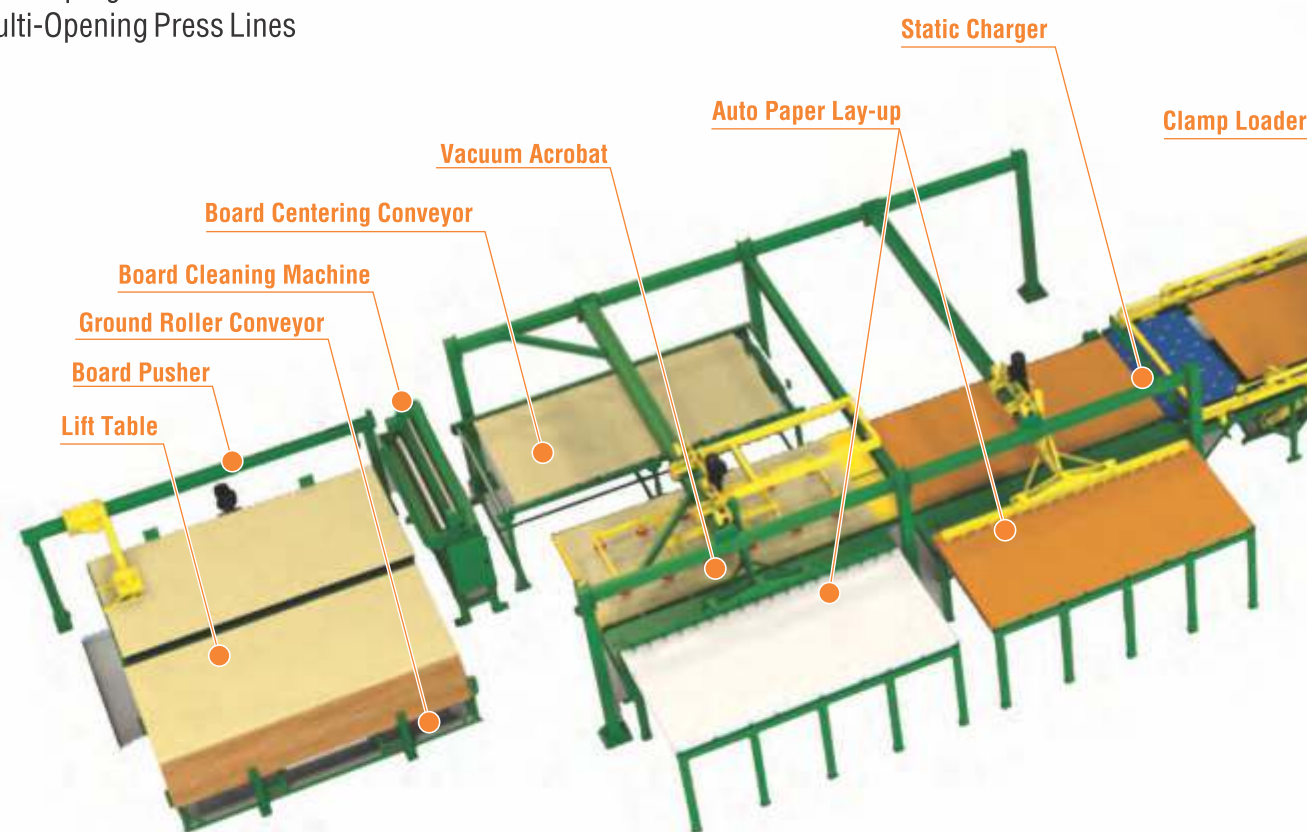
Since 1982, Master Handlers is connected with the laminate, wood panel and furniture industry. The company takes great pride in its engineering and technological innovations. The focus is on performance of the machines and cost of ownership.

We export these lines to many countries including the GCC countries, South-East Asia, Russia, Middle-East and Europe. We are the only company in the world that offers total solution for lamination and paper impregnation. The company has commissioned more than:

- 110 Short Cycle Lamination (SCL) Press Lines
- 60 Paper Impregnation Lines
- 120 Multi-Opening Press Lines

We design, manufacture and supply SCL/Impregnation Lines all over the world for decorative and flooring lamination up to 135 strokes/hour capacity. These lines can be made suitable for Embossing/Synchronized in Registered Embossing.

We guarantee high quality and high performance lines with excellent service support. The company has built long-term relationships with its customers based on the complete trust and understanding.



SHORT CYCLE LAMINATION LINE

A Short Cycle Lamination (SCL) production line (Melamine) is used for pre-laminating the particle/MDF/HDF/Plywood. A decorative paper impregnated with melamine (Urea-Melamine) resin is pressed over the board surface using SCL Press Line.

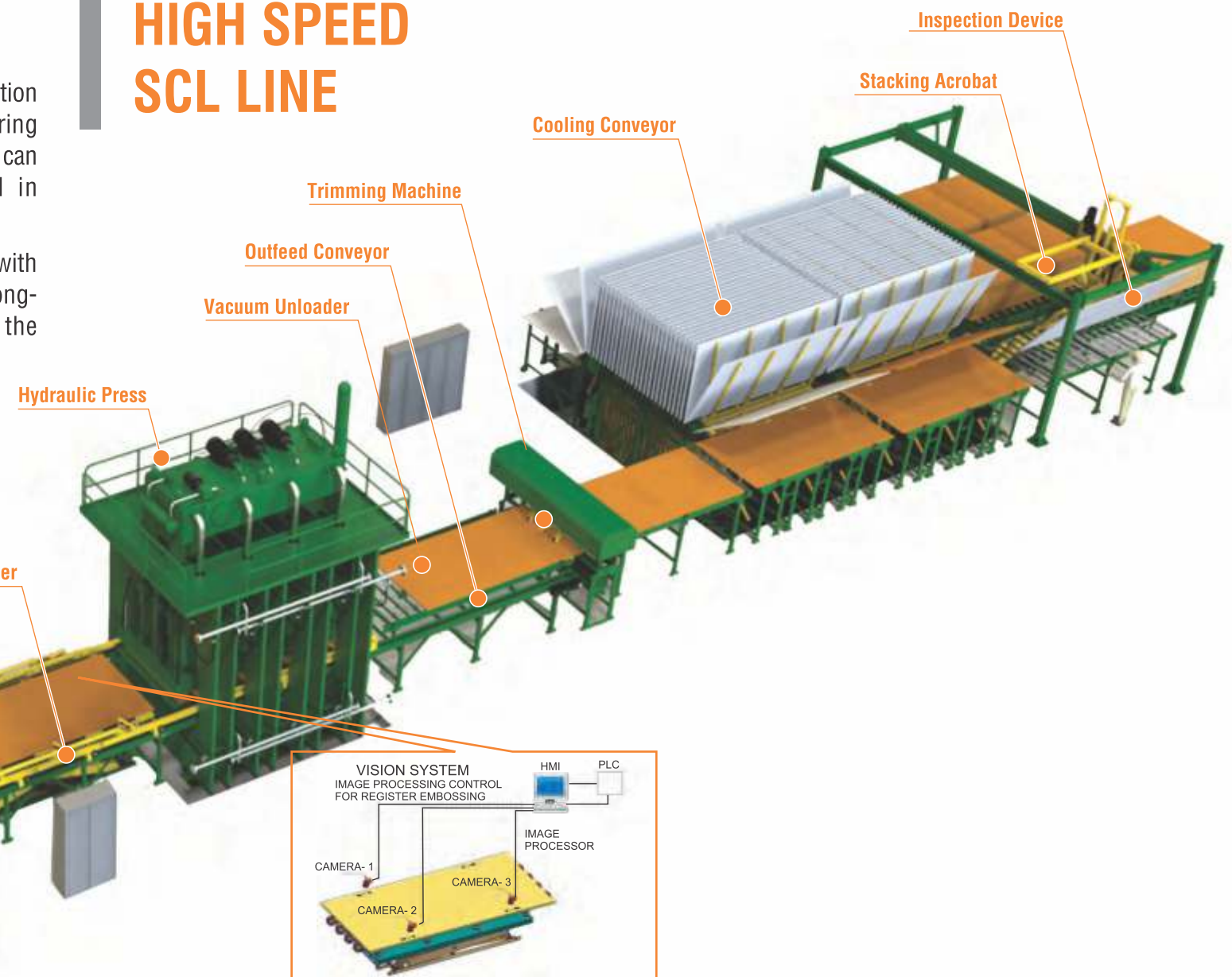
Pre-laminated boards are used in modular furniture, wall panels, flooring, false ceiling, etc. Short Cycle lines are given with a standard pressure of 40 kg/cm². The lines are modular in nature and depending on the requirement can be up to 135 strokes/hr.

We are proud to share that our lines have achieved continuous production with 100% reliability. This success we attribute to the technology and highest quality European components.

Embossing SCL

Particle/MDF/HDF boards are amenable to embossing by using correct pressure and the required press plates/resin technology. These designs can be shallow/deep embossing. Our SCL lines can be suitable for required pressure. Flooring/wall panels are getting popular with the embossing. The pressure expected is normally less than 60 kg/cm².

HIGH SPEED SCL LINE



Synchronized in Registered Embossing

Synchronized in Registered Embossing is defined as aligning pattern and texture in an effort to replicate a product as it exists in nature. Producers of decor paper print and press-plates work in harmony to ensure the pattern (often woodgrain) and texture are perfectly aligned in each and every press cycle. The result is a pre-laminated board with wood grain and texture perfectly matched and

indistinguishable from real wood veneer. This state-of-the-art technology involves years of experience & perfect match of vision camera technology for perfect alignment at high production rates (upto 135 strokes/hr). The SCADA & control panel displays not only the running line parameters but also provides quick changes in the settings. With pneumatic clamping of the press plates, quick changeover of press plates is assured

FEATURES

- Proven Technology
- Critical Components - European Make
- Excellent Pressure & Temperature Distribution in Hot Plate
- Both Mechanical & Hydraulic Precision Equalization
- Weld Free & Rigid Main Frame
- Quick Changeover of Press Plates
- Air Jet Cleaning For Press Plates
- SCADA with Touch Screen for Diagnostic, Alarm Annunciation, Visualization, Setting of Parameters & Periodic Quality & Quantity Report Generation
- MIS And Remote Service Support
- Easy Access For Maintenance
- Modular Construction

PRODUCT PROGRAMME

Press for Lamination of Chipboard, MDF, HDF & Plywood with Impregnated paper

Specific Pressure on Board	40/50/60 kg/cm ²
Board Thickness	3 mm to 40 mm
Tray Belt Loading	80 to 100 Strokes/hr
Clamp Loading	120 to 135 Strokes/hr
Standard Press Sizes	7x12' 6'x12' 6'x9' 4'x9' 4'x8'

Basic Press Size

Additional Pressing Size

7'x12'	6'x12'	7'x9'	6'x9'	6'x8'
6'x12'	4'x8'	4'x9'	6'x8'	6'x9'
6'x9'	4'x6'	4'x8'	6'x8'	
4'x9'	4'x6'	4'x8'	3'x6'	
4'x8'	4'x6'	3'x6'		

Pressure & Temperature Table

Type of Board & Process	Temperature °C	Pressure Required Kg/cm ²	Design Pressure Kg/cm ²
Chip Board - Melamine	160-185	22	40
MDF - Melamine	175-200	25-27	40
HDF (Flooring)	170-200	30	40
Embossing	175-200	32-43	50
Deep Embossing	175-200	45-55	60

Options

- Automatic Paper Lay-up
- Secondary Circuit
- Automatic 4 Side Trimming Machine
- Cooling Wheel/Conveyor
- Static Charger
- Multiple Board Sizes in the same press
- Board Cleaning After Trimming
- Two Boards, Simultaneous Pressing
- Protection Board Handling

Note : Options can be discussed as construction & control are modular



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