

INNOVATOR

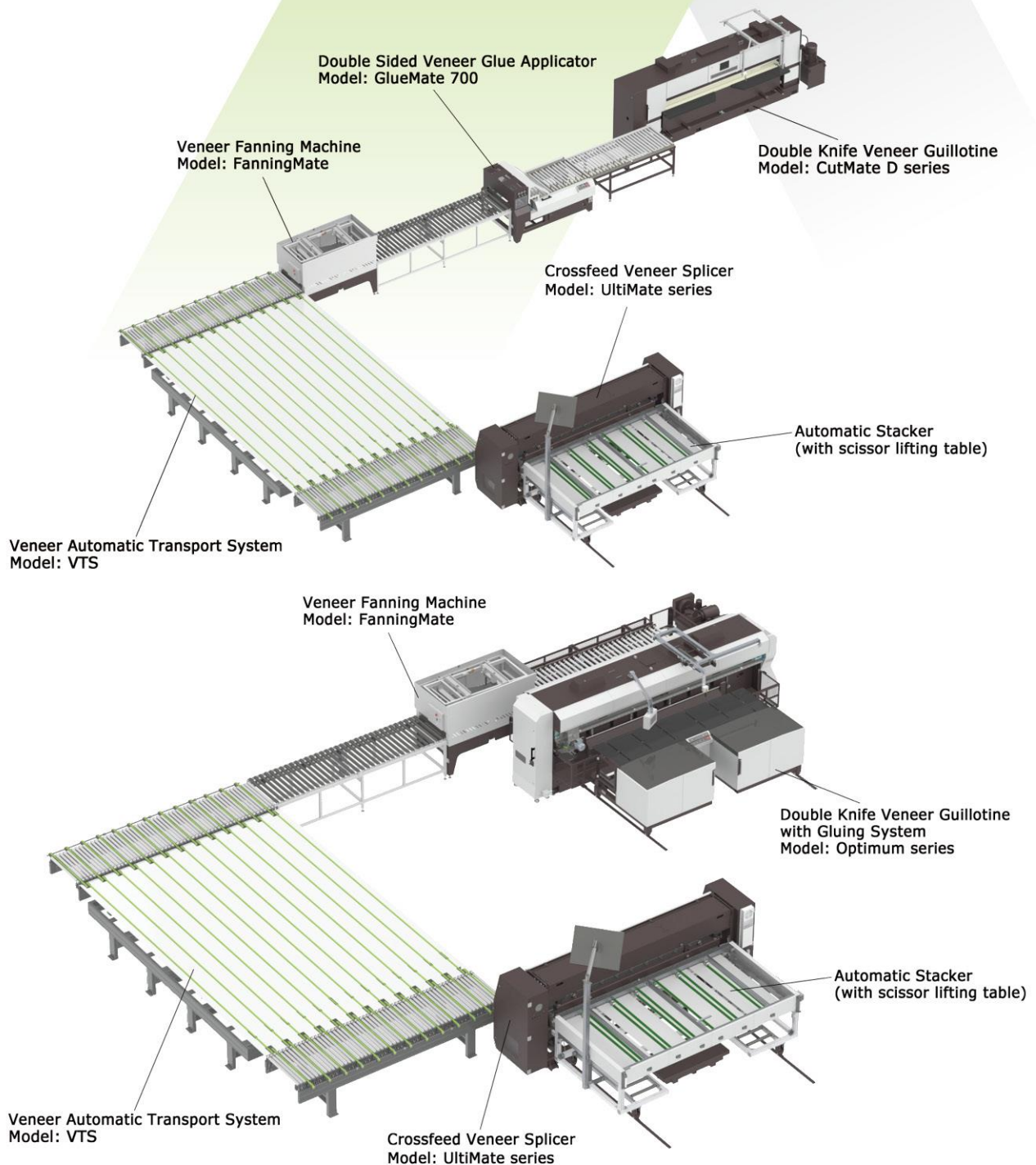
INNOVATOR

We Take Care of Your Veneers

VENEER Guillotines & Splicers



Smart Veneer Faces Production Line



Smart Veneer Faces Production Line particularly designed for automated production of our customer not only reduces labor costs but minimizes the breakage of veneer faces by manual carrying. This line brings a typical eight to ten person process down to just two to three people. In order to enhance the overall function of the production line, the double knife veneer guillotine and crossfeed veneer splicer were optimized. The improved equipment significantly increases efficiency and accuracy. FIFO (First In First Out) system can even control the waiting time for glued veneer strips to improve splicing effects.

Crossfeed Veneer Splicer (Model : UltiMate series)

The **UltiMate** crossfeed splicing machine is designed for glue-spliced joint for long and panel-sized veneer faces. Veneer bundles can be well-cut straight with double knife guillotines and then pre-glued on the edges as preparation. The pre-glued veneer strips are fed into the machine manually with feeding stoppers for fast and easy operation.

The efficient production output of the crossfeed splicing machines is a great deal faster than the longitudinal splicing machines, especially beneficial for long veneers. We also supply **Automatic Stacking System** as optional equipment for a big step towards the automated production. Together with our **Double Knife Veneer Guillotine, CutMate D series, Double Sided Veneer Glue Applicator, GlueMate 700**, and **Veneer Fanning Machine, FanningMate**, a full set of veneer splicing line is completed.



UltiMate series

Features

- ◆ infeed guides for veneer jointing alignment
- ◆ air cleaning system for photoelectric sensors
- ◆ fix-length (cut-to-size) and endless (fix-jointed) splicing modes offered
- ◆ veneers with the thinness as low as 0.2 mm spliced (certain species of veneers)
- ◆ "clear-and-easy" operation control panel with user-friendly PLC based interface touch screen
- ◆ remote monitoring maintenance system for faster access from the manufacturer in case of machine breakdown

Longitudinal Veneer Splicer (Model : VeneerPlus G1, VeneerPlus G2 & VeneerSolid M1)

The longitudinal splicers, different from the traditional paper taping or zig-zag thread stitchers, are ideal for processing high quality veneer faces. The well-cut and pre-glued veneer strips are manually fed into the machine and accurately aligned for perfect joints, especially suitable for the furniture industry and high-end decorative plywood.

The operation is even easier with **VeneerPlus G1** & **VeneerPlus G2**. The well-cut veneer strips are evenly aligned and directly conveyed to the singular gluing unit for gluing edges. **With VeneerPlus G1** & **VeneerPlus G2**, the veneer gluing and splicing processes can be accomplished within one single machine. **VeneerPlus G2** can even splice up to 5 mm thick veneers with the integrated gluing system.



VeneerPlus G1 (integrated gluing system) –
splicing veneers with thickness of 0.35 ~ 1.5 mm

VeneerPlus G2 (integrated gluing system) –
splicing veneers with thickness of 0.5 ~ 5.0 mm



VeneerSolid M1
(pre-glued veneers required)

Features

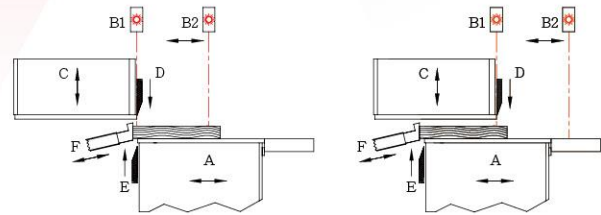
- ◆ the bottom transporting chains guided by wear-resistant rails
- ◆ precise cooling system for prolonging glue pot life - **VeneerPlus G1** & **VeneerPlus G2**
- ◆ the latest designed transporting chains of engineering plastics for reducing the heat on veneers
- ◆ reflective photocell sensor in the infeed section to ensure a perfect alignment of the jointed veneers
- ◆ the top and bottom transporting chains driven by one single motor for synchronization with one inverter controlling the running speed

Double / Single Knife Veneer Guillotines (Model : CutMate D series & CutMate series)

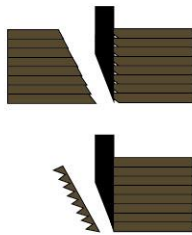
Thanks to our partner, Danish **SAVI** Industri A/S – the top market share in U.S.A. and UK for veneer guillotines, all **INNOVATOR**'s guillotines are constructed with a view to the highest security and completely hydraulic on both knife and pack beam with **SAVI** original technology and know-how. The series with European superior quality of manufacturing guillotines offer the precise linear and parallel cutting, particularly useful for waving veneer bundles cutting.



CutMate D series



CutMate D series Movements



SECOND-CUT Technology



CutMate series

Features

- ◆ with European safety standards
- ◆ rigid welded machine body for stable movement
- ◆ safety light barrier of knife and pack beam in front
- ◆ adjustable pressure with hydraulic knife and pack beam for all kinds of veneers
- ◆ pack beam with two cylinders & four firm guides for long-time operation - **CutMate D series**
- ◆ high speed movement of the firm working table by servo motor with three sets of linear guides and two sets of ballscrews - **CutMate D series**
- ◆ SECOND-CUT Technology for thick or especially hard species of veneers cutting available (optional)



CutMate 700C

Cross Cut Veneer Clipper (Model : CutMate 700C)

The **cross cut veneer clipper** is used for veneer cutting across the grain. All **INNOVATOR**'s guillotines are manufactured with European superior quality of its expertise thanks to **SAVI** Industri A/S, our partner from DENMARK – the top market share in U.S.A. and UK for veneer guillotines.

Double Sided Veneer Glue Applicator (Model : GlueMate 700)

GlueMate 700, ensures precise application of adhesive to both edges of veneer bundles eliminating airborne contaminants and operation inconvenience. The machine is consisted of a rigid welded steel body and equipped with two glue-pots devices for precise application of glue to the veneer edges. As the veneer bundle is passed through the glue rollers, a thin and consistent film of glue is applied onto the edges of veneer bundles.



GlueMate 700

Features

- ◆ applicable with all standard glue
- ◆ cooling system for prolonging glue pot life
- ◆ protective guards covering the machine body
- ◆ special designed gluing system for easy cleaning
- ◆ double sides of veneer pack glued in one process
- ◆ equipped with infeed roller unit for feeding support
- ◆ accurate glue application contributing to a nice splicing work
- ◆ width of veneer pack fixed automatically by aligning stoppers
- ◆ veneer pack clamped tightly while applying glue for precise and even glue application

Veneer Fanning Machine (Model : FanningMate)

FanningMate is designed to fan pre-glued veneer bundles. Unlike manual fanning, this fanning machine offers a solution to avoid the pre-glued veneers from sticking together. This can also avoid time consuming and imprecise manual fanning process, especially for long veneer bundles. This **FanningMate** can be employed as the second station after **Double Sided Veneer Glue Applicator (GlueMate 700)** as well as a single unit after a manual pre-gluing process.



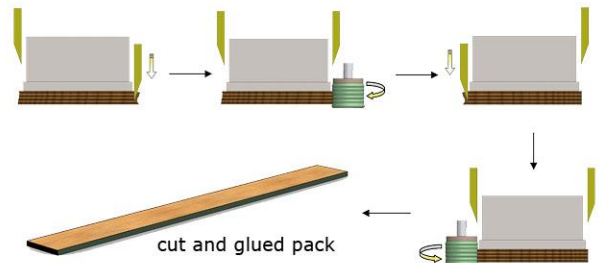
FanningMate

Double Knife Veneer Guillotine with Gluing System (Model : Optimum series)

INNOVATOR's fully automatic **Double Knife Veneer Guillotine with Gluing System** particularly designed for automated production of customers combines veneer cutting and gluing functions. The veneer bundle is cut and glued while the whole veneer bundle is fully pressed (the pack beam does not rise) for accurate linear cutting and gluing effects. The model completely overcomes the problems that thick glue spills on the surface of veneers. It also avoids uneven glue application due to manual gluing and increases gluing stability for the following splicing effects. This model not only reduces labor costs but minimizes the breakage due to manual carrying.



Optimum series



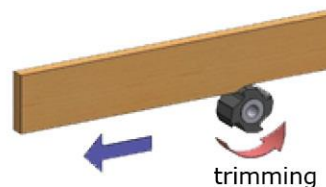
Features

- ◆ with European safety standards
- ◆ safety light barrier of front table
- ◆ applicable with Urea based, PVAc and all standard glue for splicers
- ◆ equipped with precise cooling system for prolonging pot life of glue
- ◆ veneers placed in the clamps from the outside of the machine for operating safety
- ◆ wide pack beam to fully press the whole veneer bundle for accurate cutting and gluing in one step

Veneer Edges Trimming Machine (Model : TrimEasy series)



TrimEasy series



The **Veneer Edges Trimming Machine, TrimEasy series**, is designed for providing a 90-degree jointing angle on the jointing face of veneer edges for the strongest bonding output. Similar principle as our **GlueEasy C series**, the veneer package is placed vertically with pneumatic pressing mechanism from two sides followed by the trimming cutter passing through the veneer bundle edges. The **TrimEasy** mechanism can be mounted together with the gluing system resulting in a combination of trimming and gluing work for the high quality splicing requirements.

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