

Technical Data

Single Knife Veneer Guillotine (Model : CutMate series)



Machine Specification

Model :	CutMate 4000	CutMate 3400	CutMate 2800	CutMate 1500
Cutting Length :	4000 mm	3400 mm	2800 mm	1500 mm
Daylight Opening :	120 mm	120 mm	120 mm	120 mm
Veneer Thickness of Single Sheet :	max. 1.5 mm (recommend being used with SawEasy for more than 1.2 mm)	max. 1.5 mm (recommend being used with SawEasy for more than 1.2 mm)	max. 1.5 mm (recommend being used with SawEasy for more than 1.2 mm)	max. 1.5 mm (recommend being used with SawEasy for more than 1.2 mm)
Electric Power :	approx. 7.5 kw	approx. 7.5 kw	approx. 7.5 kw	approx. 7.5 kw
Hydraulic Motor :	7.5 HP / 6 P	7.5 HP / 6 P	7.5 HP / 6 P	7.5 HP / 6 P
Hydraulic Flow :	38.2 L/min.	38.2 L/min.	38.2 L/min.	38.2 L/min.
Cutting Width :	25 ~ 650 mm	25 ~ 650 mm	25 ~ 650 mm	25 ~ 650 mm
Pack Beam Width :	150 mm	150 mm	150 mm	150 mm
Dimensions (L x W x H) :	5800 x 1750 x 1850 mm	5200 x 1750 x 1850 mm	4600 x 1750 x 1850 mm	2900 x 1750 x 1850 mm
Net Weight :	approx. 5600 kg	approx. 4900 kg	approx. 4400 kg	approx. 3000 kg
Color :	RAL 8019 / RAL 9003	RAL 8019 / RAL 9003	RAL 8019 / RAL 9003	RAL 8019 / RAL 9003

© Technical data is not binding and can be modified without prior notice.

Features

accurate and parallel cutting

Thanks to our partner, **SAVI** Industri A/S from Denmark – the top market share in U.S.A and UK for veneer guillotines, **INNOVATOR's Machinery** is now able to manufacture veneer guillotines with original technology and know-how. The series with European superior quality of manufacturing guillotines offer the accurate linear and parallel cutting. The parallel cutting accuracy is obtained by the fact that the whole veneer bundle is fully under pressure while cutting so that buckles in the veneers will be straightened out. The series are particularly useful when cutting waving veneer bundles. Coupled with **INNOVATOR's Double Sided Veneer Glue Applicator (GlueMate 700) & Crossfeed Veneer Splicer (UltiMate series)**, the perfect gluing and jointing result is accomplished with high production efficiency.

JAPAN YUKEN hydraulic system



All **INNOVATOR's** guillotines are completely hydraulic on both knife and pack beam. The pressure can be adjusted for all kinds of veneers. All guillotines are also constructed with a view to the highest security of the operator without causing any inconvenience to the working. Furthermore, the well-known – **YUKEN** hydraulic system are used to facilitate parts purchase and after-sale service.



two-hand operation of the knife and pack beam

No movement of the pack beam against the veneer pack is made immediately when one push button is released for safety concerns.

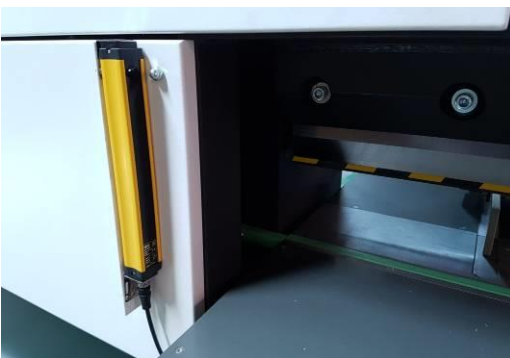
150 mm wide pack beam

The whole veneer bundle can be fully pressed under the 150 mm wide pack beam with the series especially useful for cutting waving veneer bundles. High cutting quality can be achieved with the series.



**magnetic scale for accurate linear position
measurement of the fence**

The magnetic scale rather than the encoder is used for linear position measurement of the fence to raise the accuracy of measurement. It can also be used directly when the power supply is cut off and restarted.



safety light barrier

Safety light barrier of knife and pack beam is equipped in front of the guillotine to increase safety performance.

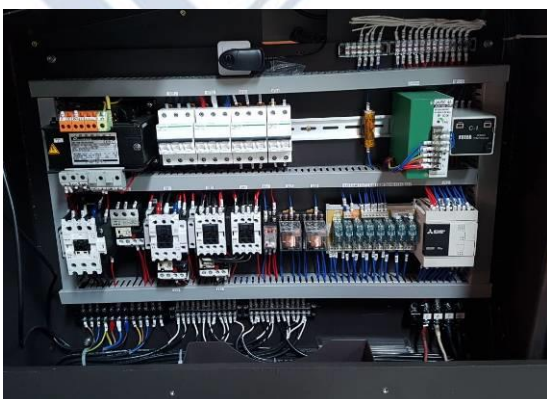
red cutting indicator

The optimized cutting indicator guides operators the precise cutting position. The device as STANDARD equipment is extraordinary timesaving and easy to operate. Also, the amount of usable veneers can be enhanced.



**JAPAN MITSUBISHI PLC control system & CE
certified components**

The series with JAPAN **MITSUBISHI** PLC control system meet all European CE safety standards and various materials including veneers, paper, plastics, etc. can be cut with the series.





rigid welded machine body for stable movement

The rigid welded machine body makes the machine even more stable.

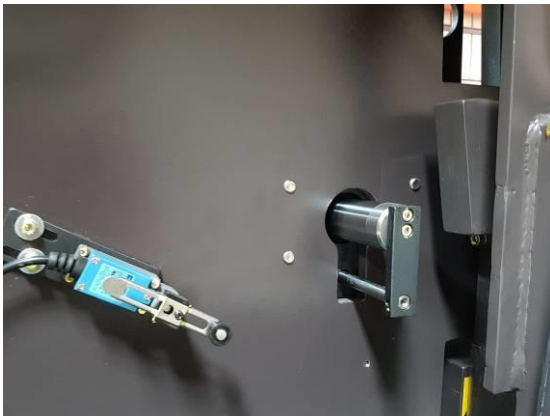
extra safety valve

Extra safety valve of knife beam with additional safety knife protective cylinder keeps off any drop of knife caused by leakage of hydraulic pressure and avoids any malfunction due to mechanical false.



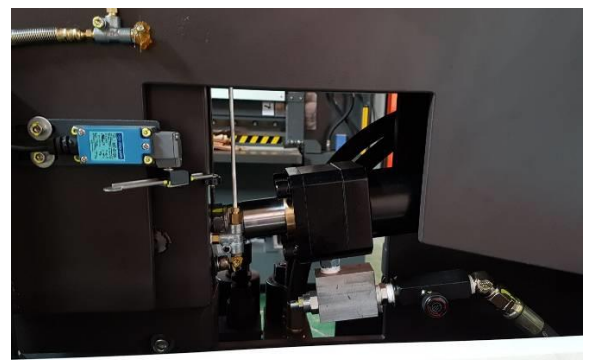
safety locker

For highest safety standard to avoid any operational danger, the series are mounted with "safety locker" at the front end of the knife beam to avoid any mechanical fault. In a result, the knife beam will make a cut ONLY when "safety locker" is activated. This unique function can be found only in **INNOVATOR's** guillotines.



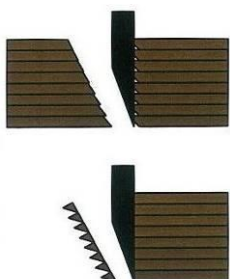
60 mm knife cylinder & emergency valve

The series are equipped with special designed "emergency valve" for the knife with 60 mm hydraulic cylinder in addition to the safety light barrier of knife and pack beam in front to minimize operational danger caused by mechanical faults. Under normal operation conditions, the valve is normally opened. As a sudden increasing system flows over the present flow occurred through this valve, this system fails e.g., hose burst. This valve will shut off automatically for operating safety. The desired flow rate is adjustable and can be preset.



Recommended Option(s)

SECOND-CUT Technology for thick or especially hard species of veneers cutting available



By switching knife beam to second-cut mode, a thin clip of approx. 1 mm is cut off from the veneer pack after the first trim. This unique feature which can only be found in all **INNOVATOR**'s guillotines is necessary when working with thick or especially hard species of veneers.

angle gauge



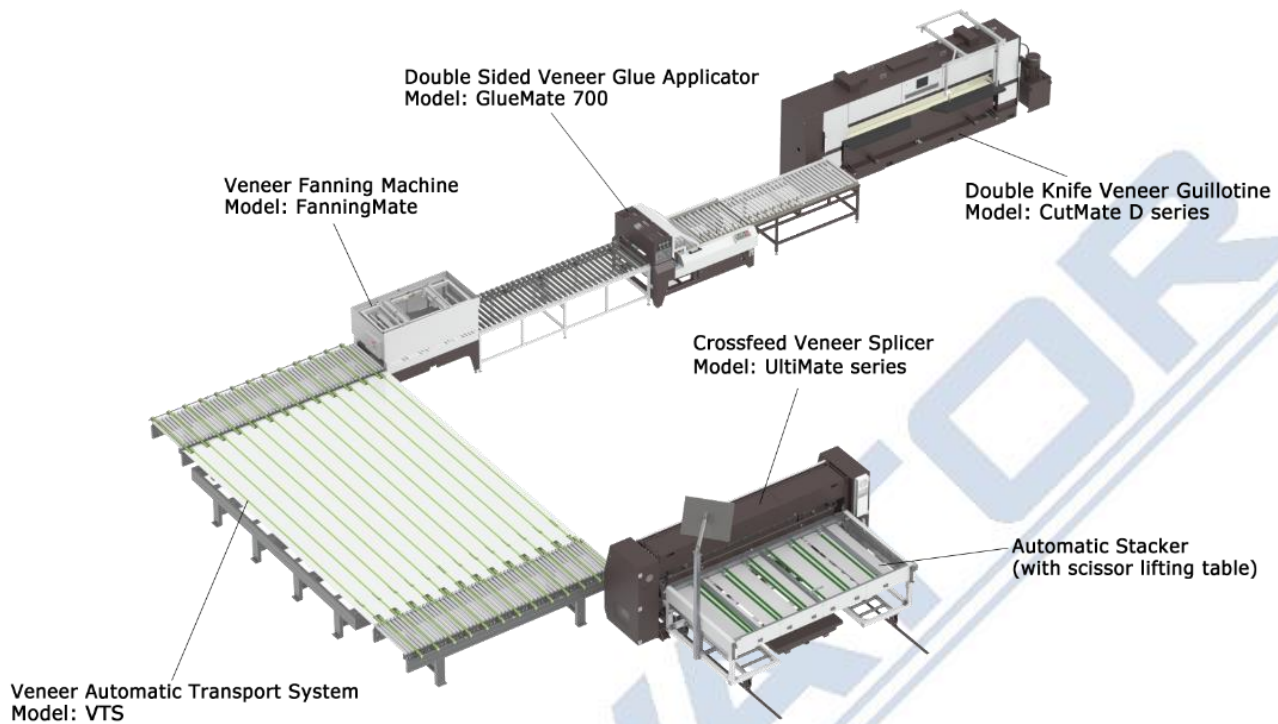
An angle gauge is used for veneer bevel cutting. It's widely used in parquetry.

servo motor positioning system



The servo motor positioning system with HMI touch screen is for accurate position measurement of the fence and convenient operation.

Smart Veneer Faces Production Line (Double Knife Veneer Guillotine + Crossfeed Veneer Splicer) diagram



Smart Veneer Faces Production Line (Double Knife Veneer Guillotine with Gluing System + Crossfeed Veneer Splicer) diagram

