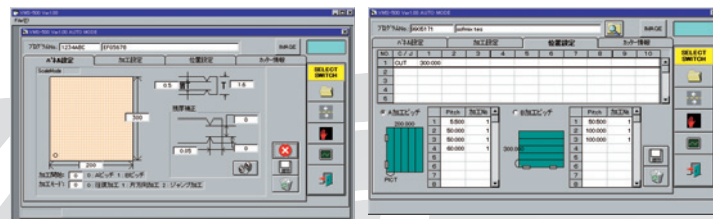


VMS-500 is a High-precision, High-productivity, compact V-scoring machine which can perform 0.2 to 3.2mm boards' V-cutting. Processing systems are also powered up.

Easy Operation

1 Easy operation with Windows PC.



Graphical easy operation is realized by the registration of V-scoring data in Windows PC. 3 kinds of web-thickness are also available in one panel.

2 The V-scoring depth can be set automatically by just input the cutter data. Easy exchange of the cutter.



Cutters can be exchanged easily from the front side of the machine.

3 Easy control of the cutters - 1 pair (Upper & Below) cutters. Max. 50 V-scoring operation can be performed at one cycle.

Processing systems are powered up

1 The number of processing ways and variations are increased and processing capability is expanded.

- down & upper V-cutting
- down V-cutting
- down & jump V-cutting
- down & upper & jump V-cutting
- upper V-cutting
- upper & jump V-cutting

Safe & stable processing

1 The panels are surely clamped on the table and high accuracy & stable V-scoring operations can be performed. So the stable web-thickness can be obtained even in such a thin panel as 0.2mm thickness panel with many slits.



The panels are loaded surely by the special adsorbed pads, so unattended operation is possible. Loading Max. 8 panels at once to contribute the mass-production. The position of the Vacuum pads can be adjusted easy & speedy by special magnet holder system.

2 The depth of jump cutting and V-cutting is controlled by servo motor, so the stable and high accuracy V-scoring are realized.

High-speed processing

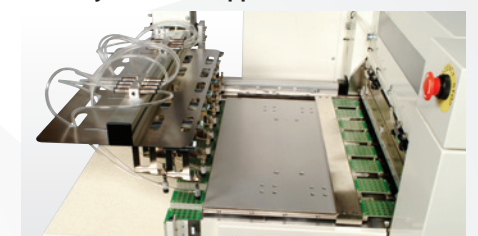
1 During the processed panels are discharged to the belt conveyor, the next V-scoring operation are starting. (Mass Production system)



Multiple panels can be held at once by the multiple chucks. Max. 607 mm width.

2 Loader and unloader are installed as a standard, and they realizes long time unattended operation.

3 During the auto-operation, the high precision V-scoring for the multiple panels can be performed continuously. 5 V-scoring operations per panel can be performed for 8 Panels at ones. The cycle time is approx. 2.5 seconds for each panel.



5 V-scoring operations of 8 Panels are performed simultaneously.

V-cutting Speed

Max. 40m/min.

Chuck Running Speed

Max. 40m/min.

Machine Specification

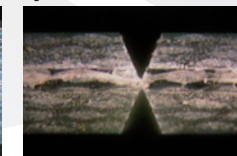
Panel Size (W)	Max. 607mm Min. 35mm
Panel length (L)	Max. 500mm (Manual loading) / Max. 340mm (Auto loading)
Thickness	0.2t~3.2t
Cutting position	More than 3mm inner from panel edges
Cutting pitch	Any pitch (Max. 50 pitches) Can be set by 1μ each
Cutting Accuracy	±0.03 (Web-thickness, Parallel, and pitch)
Loader, Un-loader (Standard Accessory)	Stack height 260mm
Cutter	φ120mm×20P×30° Standard / Made of Diamond tip
Utility Power Supply	AC 200V 3P 3KVA [including Dust collector MP-15L] Air 550Nℓ/min 0.5Mpa (5Kg/cm ²) / Dry Clean Air
Machine Dimensions	W2050×D2150×H1500
Control method	Windows PC Monitor : 17inch

*A personal computer is supplied with the machine.
Windows and Microsoft are registered trademarks of Microsoft Corporation in the USA and other countries.

Processing Sample



1.6 Aluminum board /
remained thickness
50μ processing



FR4 board / r
emained thickness
200μ processing

Cutter



φ120mm×20P×30° Standard
Made of Diamond tip