

# MAXIMUS SERIES

## ACCURATE AND VERSATILE DUAL HEADS CUTTING SYSTEM

The Maximus series represents a complete solution for passe-partout cutting both **for medium and high levels of production**. The machine is equipped with a quick head change system which translates into the possibility of making straight and bevelled cuts without any downtime. Additionally, it will be extremely easy to add an oscillating vibrating knife, enabling to cut up to **20 mm** in thickness, which makes this flatbed system consistent with any framing and packaging need.

The Maximus series is built following high-quality standards, using components of proven reliability and with the aim of providing a high-performance machinery that lasts over time and guarantees extreme precision. Perfect for framers with medium to high production volumes as well as for public and private institutions engaged in **the restoration and conservation of works of art, which require durable and heavy-duty equipment**. The Maximus series can be integrated with a third stationary tool for pen plotting, and if you need to cut materials with a thickness greater than 5mm than a pneumatic oscillating head.



### EXCELLENCE AT HIGH SPEED

Due to its advanced design and top-class components, Maximus is remarkably versatile and flexible to perform any cutting requirement at the highest speed in this line of machines.



### SMART TOOLS CONFIGURATION

Beside the excellent cutting performance, the biggest advantages of the system is the fact that the machine is equipped with 2 independent cutting heads plus a permanent drawing tool\*.  
*\*Optional*



### BE CREATIVE

The Oscillating Cutting Knife, available for each model belonging to the Maximus Series, allows a cutting depth of up to 2 cm (3/4") in thickness, which makes this flatbed system consistent with any framing and packaging need.



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AVAILABLE IN  
**4**  
SIZES

**POOLING &  
NESTING**  
OPTIONS



## Main Applications

- Nesting and pooling
- Up to 20 mm Foamcore
- Multiple layers mat-boards
- Photo Albums
- Conservation or archival Boxes
- Memorabilia

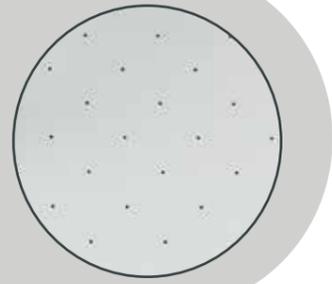
## Materials

- From 4 to 12 ply mat-boards
- Foam Board (up to 20 mm 3/4" with oscillating tool)
- Gator board
- Corrugated cardboard
- Grey Chip board



# Maximus V

The Maximus Series in its standard version is equipped with button clamp system. Also available with vacuum-assisted table.



### Pneumatic Oscillating Cutting Tool

Powerful pneumatic vibrating tool for cutting any shapes and various strengths of materials up to 20 mm (3/4").

CUT UP TO  
**20MM**  
(3/4")  
IN THICKNESS



ONLY WITH US

**5**  
YEAR\* **WARRANTY**

**We are the only ones to offer these conditions!**

Get peace of mind with a 5-year Valiani Limited Manufacturers' Warranty

\* Ask your local dealer for warranty details.



# Maximus Series

### Tools available

Maximus V can be equipped with all tools compatible with the following tool holders:

- Multifunctional Tool Holder
- i-Series Tool Holder
- Fixed Tool Holder



## Technical Data

Maximus Series Models	80	160	250
Cutting Size	813x1230 mm (32x48")	1630x1230 mm (64x48")	2500x1230 mm (98.4x48")
Width	1430 mm (56")	2230 mm (88")	3010 mm (118.5")
Depth	1830 mm (72")	1830 mm (72")	1830 mm (72")
Height	1200 mm (47.2")	1200 mm (47.2")	1200 mm (47.2")
Weight	170 Kg (375 lbs)	190 Kg (419 lbs)	220 kg (485 lbs)
Weight Vacuum Series	220 kg (485 lbs)	302 kg (666 lbs)	470 kg (1036 lbs)
Max Speed	840 mm (33")/Sec		
Acceleration	1 m/s <sup>2</sup>		
Power	1,7 KVA	1,7 KVA	2,8 KVA
Power Requirements Vacuum Series	Single Phase EU 230V/200-208V 50/60Hz -8A - 9/8,5A	Single Phase EU 230V/200-208V 50/60Hz -8A - 9/8,5A	Triphase EU 230V/200-208V 50/60Hz - 16A - 9/8,5A
Power Requirements	Single Phase - EU 100/120/230V - 50/60Hz - 6.5/5.5/3A		
Power	650VA		
Air requirements	6 Bar/90 PSI 3,50 CFM - 8 Bar/115 PSI (with oscillating tool)		
File Format	SVG, .PLT, .DXF, .CF2, .HPGL, .XML, .PDF		
Tool Change	Manual		
Tools Available	90°, 45°, 40°, embossing, creasing and drawing tool		
Tools Holder	2 + 1F		
Connectivity	USB 2.0 (Ethernet*)		
Data Buffer	External PC		
Media Holding System	Pneumatic Button clamps + air suction on Vacuum series		
Fixed Tool	Pen (optional)		
Feeder Capacity	NA		
Cutting Capacity	0.1 > 5 mm (3/16") with tangential cutting tool 0.1 > 20 mm (3/4") with oscillating cutting tool		
Ripetibilità	≤0.1 mm		
Supported OS	Windows 7, 10, 11		
CropMarks Rec.	Camera + Software (Optional)		

\* Models ≥ 2022

# MAXIMUS V 265



## Main Applications

- XXL mat-boards
- Panoramic mats
- Custom picture matting
- Conservation or archival Boxes
- Memorabilia
- Thick foam-board

## BIG LIKE NO OTHER

Maximus V 265 combines plenty of innovative functions with a large cutting surface, resulting in a one-of-a-kind solution aiming at drastically reducing production times and at the same time enhancing cutting possibilities. Maximus, with its large 155 x 265 cm (61x104.5") cutting area and virtually limitless combination of tools, guarantees unparalleled flexibility and longevity. **The vacuum table allows you multitask jobs** and decrease downtime. Ideal for oversized mat-boards and large nesting, it also **grants high efficiency and precision** with all kind of framing applications.



## Technical Data



### MULTIPLE TARGETS

Maximus V 265 is designed for fast and precise processing of oversized mat-boards. An effective vacuum bed holds down securely any kind of mat or other materials and a camera for crop marks detection can be mounted as an optional.



### PNEUMATIC OSCILLATING CUTTING TOOL

A Powerful pneumatic vibrating tool to cut various types of materials up to 20 mm (3/4") is available on request.



### THE ONE AND ONLY

Maximus V 265 is the only machine capable to cut large format works of extraordinary quality, thus meeting Museums and Art Galleries standard panoramic photo mats.



### Utensili disponibili

Maximus V 265 can be equipped with all tools compatible with the following tool holders:

- Multifunctional Tool Holder
- I -Series Tool Holder
- VersaTool
- Fixed Tool Holder



Maximus Series Model	265 V
Cutting Area	2650x1550 mm (104x61")
Width	3635 mm (143")
Depth	2149 mm (84,6")
Height	1206 mm (47,4")
Weight	290 kg (639 lbs)
Weight Vacuum Series	550 kg (1212 lbs)
Max Speed	840 mm (33")/Sec
Acceleration	1 m/s <sup>2</sup>
Power	4,5 KVA
Power Requirements V-Series	Triphase - 400V/230V 50/60 Hz - 12A/22A
Power Requirements	NA
Air requirements	6 Bar/90 PSI 3,50 CFM - 8 Bar/115 PSI (with oscillating tool)
File Format	SVG, .PLT, .DXF, .CF2, .HPGL, .XML, .PDF
Tool Change	Manual
Tools Available	90°, 45°, 40°, embossing, creasing and drawing tool
Tools Holder	2 + 1F
Connectivity	USB 2.0 (Ethernet*)
Data Buffer	External PC
Media Holding System	Pneumatic Button clamps + air suction on Vacuum series
Fixed Tool	Pen (Optional)
Feeder Capacity	NA
Cutting Capacity	0.1 > 5 mm (3/16") with tangential cutting tool 0.1 > 20 mm (3/4") with oscillating cutting tool
Ripetibilità	≤0.1 mm
Supported OS	Windows 7, 10, 11
CropMarks Rec.	Camera + Software (Optional)

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