GEMINUS SERIES

EXCEEDING LIMITS

The trusted solution for high-volume production

The Geminus series offers unique cutting **precision** and **quality** at very **high speeds**. It is intended for companies with significant levels of production, as it perfectly combines speed with reliability. Thanks to an extremely solid structure the machine is able to manage complex workflows and ensure 24/7 operation.

The Geminus series represents the highest performance in mat-board cutting. All the best characteristics of Valiani machinery are present in this machine. The Geminus is available with a **dual head** system, fold-away **pneumatic clamping system**, **vacuum** or non-vacuum table, real **dual workstation**, fixed **pen holder** and a **camera** for crop mark detection.

Geminus is compatible with the **patented Valiani interchangeable head system**, which allows you to configure the machine to accomplish the most complex jobs on a wide range of materials, up to a maximum thickness of 20 mm.

MOVE FASTER
A stronger Y-axis, a more powerful motion controller, stepper motors with encoder, and a redesigned cutting head assembly make the Gemimus one of the **fastest machines** in the industry.

DOUBLE PRODUCTIVITY
Using 2 workstations allows you to process a job in the **left zone** and at the same time load the **right one**. The cut pieces can be removed while the machine cut on the right zone and Zone Left reloaded; All to ensure a seamless workflow.

CUTTING-EDGE TECHNOLOGY
Thanks to almost 50 years' experience in engineering, producing and delivering cutting machines, we use only the highest quality components providing reliable operation, low maintenance cost and a long service life.

For more information scan the QR code or visit our website at **www.valiani.com**

DUAL BAY

Main Applications

- Nesting and pooling
- Up to 20* mm Foamcore
- XL and XXL mat-board
- Multiple layers mat-boards
- Mass Production
- Memorabilia
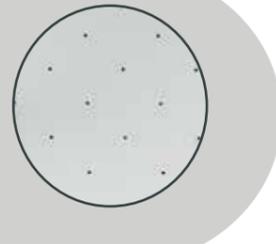
*with oscillating cutting tool

Materials

- From 1 to 12 ply mat-boards
- Foam Board
  (up to 5 mm - 3/16")
- Gator board
- Corrugated cardboard
- Grey Chip board

Geminus V

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

Geminus

valiani

Geminus Series

Tools available
Geminus can be equipped with all tools compatible with the following tool holders:

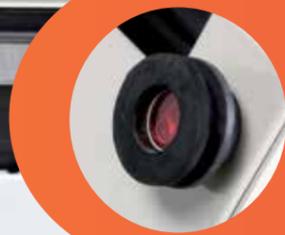- **i-Series Tool Holder**
- **Fixed Tool Holder**

ITH

FTH

SAFETY FIRST

Infrared safety sensors *ensure maximum protection in every phase of production. Mounted on the front, they offer the user complete protection on both the left and right workstations.*

Technical Data

Geminus Series Models	190	250
Cutting Size	1900x1250 mm (48.2x49.2")	2500x1250 mm (98.x49.2")
Width	2700 mm (106")	3635 mm (143")
Depth	2020 mm (79.5")	2211 mm (87")
Height	900/1200 mm (35.4/47.2")	900 mm (35.4")
Weight	290 kg (639.3 lbs)	510 kg (1124.3 lbs)
Weight Vacuum Series	340 kg (749.5 lbs)	580 kg (1278.6 lbs)
Max Speed	1.200 mm (47.2")/s	
Acceleration	1.5 m/s^2	
Power Requirements	Single Phase 230V 50/60Hz – 5A	
Power	1 KVA	
Power Requirements V-Series	Triphase + PE 200-400-415-440 Volt 50/60Hz -20/10/9,6/9A	
Power	4 KVA	
Air requirements	6 Bar/90 PSI 3,50 CFM	
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	
Data Buffer	PC esterno	
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	
Ripetibilità	≤0.1 mm	
Supported OS	Windows 7, 10, 11	
CropMarks Rec.	Camera + Software (Optional)	