Accessories

V-Studio is the Valiani Operating Software which allows the artwork preparation, file conversion and the .PLT, .SVG (i.e. Adobe Illustrator® and Corel Draw®) vector file importation. Conceived to expand all Valiani machines capabilities provides to the end users specific applications for different industries. A CAD for mount-board creation, a packaging design application and a crop marks detection camera (optional) utility compose the Valiani Software Suite. The tools/material database as well as the working process are managed by dedicated apps, all of them designed to make the work flow faster and guide operators step by step.
*Compatible with Windows O.S.

Packaging Creator

M3 is the optional software for the packaging industry, which can be integrated with all Valiani machines. M3 provides an archive of **500 parametric designs** for folding carton and corrugated cardboard (**1.700 parametric designs** with **M3-Art** version). The ECMA and FEFCO international codes are fully featured, accompanied by other custom structures widely used in the industry. The 3D Presenter is the environment for virtual prototyping of packaging and POP/POS displays through realistic 3D modeling is included without extra cost with **M3-Art** version.
*Compatible with Windows O.S.

The camera management for crop mark detection is carried out by the **OptiCrop** software. The software has various functions: crop mark recognition and interpretation, skew print compensation and file positioning in the cutting area. **OptiCrop** is the perfect solution for quick and precise contour cuts. The crop marks plugin-in is available for both Adobe Illustrator® and Corel Draw.®

Valiani cutting machines can be effectively used on all kind of mat-boards, regardless thickness, consistency and usage, all up to 5mm (3/16).

The interchangeable heads technology consists of a quick-chnage tool system (Valiani International Patent) able to expand all Valiani machines productivity and versatility. Thanks to a powerful magnets group all tools can be quickly swapped with no need for further calibration. A wide variety of separate tools are available; 90° ,45°, 40° cutting tool, creasing and perforating tools, embossing/debossing tool and a pen holder.

The **MatStylus Deluxe** is a tool that allows the user to perform writing and drawing with any Valiani machine. This tool is supplied with 3 multiple tow-part pen holders of different sizes that can accept various felt tip pens or pencils. Ink caps are included with the MatStylus kit. Upon request a plotter-pen cartridge holder is also available.

The set of **Creasing Tools** consists of one head with a selection of wheels of various geometry that have been developed for the packaging market or for anyone with needs to crease folding carton, flute cardboard, corrugated cardboard and polypropylene.

Valiani cutting machines can be used as a multi functional device, allowing to shape a wide range of alternative products.

PLEASE NOTE: Images shown are for illustrative purposes only and may have slight differences to the actual machine purchased. The manufacturer reserves the right to make any changes to the machine described in this catalogue, at any time, and without prior warning.

Maximus
Dual Heads Cutting System

valiani
your perfect cut

valiani
your perfect cut

Maximus
Dual Heads Cutting System

Be creative
cut up to 20 mm (3/4") with the Oscillating cutting tool.

Cut up to 20mm (3/4")* in thickness

3 mm mat

3 mm mat
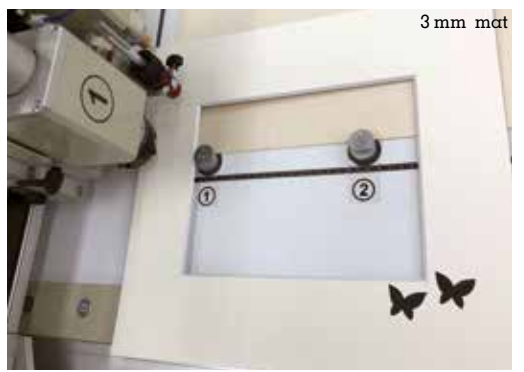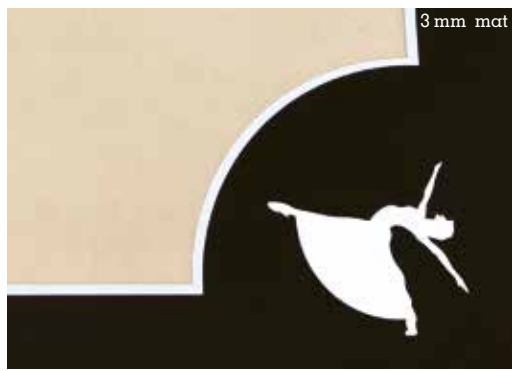
Examples of "in-lay" matboard decoration on different material thickness made by oscillating tool

3 mm mat

2 mm mat

Oscillating/Vibrating Cutting Tool
Powerful pneumatic vibrating tool for cutting various strengths of materials up to **20mm (3/4").****

A New Concept in Productivity

Maximus is the ultimate electronic cutting machine for professional users. It is targeted at companies with medium volume production that require robust and reliable equipment.
Maximus is equipped with two independent heads[1] and a permanent pen holder[2]. This combination translates into high capacity production by offering the use of 3 tools simultaneously. If combined with the large range of interchangeable heads it allows complex work without the need to stop to change heads.

Cut, draw and score to create endless projects

Totally compatible with the Interchangeable Heads® system, the **Maximus** is the ideal choice for all customers looking for a flexible product, capable to cope with today's needs. The wide range of tools available make **Maximus** a versatile product able to perform 90°, 45° and 40° cuts, creasing and perforating process, emboss/deboss and draw; ensuring your machine will never become obsolete - providing a cutting option well into the future.

Precision you can count on

The **Maximus** is assembled with high quality components and reliable technology; it features; honey-comb aluminum cutting table, high-resolution steppers motors, heavy-duty rails and steel bearings. Integrated with a low cost maintenance, the Maximus assures the best investment in long terms. From fine lines to intricate details, the **Maximus** machine gives you the cleanest cuts.

1. Ask your local dealer the Tools combination available. Station two can only use Tangential 90° Cutting Tool (up to 5mm-3/16" thickness) or 90° Oscillating Tool (up to 20 mm-3/4").
2. Optional Tool.
*With optional oscillating tool. - **Some hard materials can be cut, however with limitations in thickness, speed and design. - ***Maximus V data are the same as Maximus excluding weight.

Technical Data***

Maximus 80 & V 80		Maximus 160 & V 160		Maximus 250 & V 250		Maximus 265 & V 265	
Working area:		Working area:		Working area:		Working area:	
1230 x 820mm (48"x 32")		**1230 x 1630mm (48"x 63")**		**1230mm x 2520mm (48"x 99.2")**		**1550mm x 2650mm (61"x 104.5")**	
Width	1830mm(72")	Width	1830mm (72")	Width	1830mm (72")	Width	3635mm (143.11")
Depth	1430mm (56.2")	Depth	2230mm (88")	Depth	3010mm (118.5")	Depth	2149mm (85.78")
Height	1200mm (47.2")	Height	1200mm (47.2")	Height	1200mm (47.2")	Height	1206mm (47.48")
Weight	220 kg. (485 lbs)	Weight	302 kg. (666 lbs)	Weight	470 kg. (1.036 lbs)	Weight	550 kg. (1.212 lbs)
Power Requir.		Power Requir.		Power Requir.		Power Requir.	
Maximus 80	100/120/230V	Maximus 160	100/120/230V	Maximus 250	100/120/230V	Maximus 265	100/120/230V
Single Phase	50/60 Hz - 10A	Single Phase	50/60 Hz - 10A	Single Phase	50/60 Hz - 10A	Single Phase	50/60 Hz - 10A
Maximus V 80	200/208/230V	Maximus V 160	200/208/230V	Maximus V 250	200/208/230V	Maximus V 265	200V - 50/60Hz -20A
Single Phase	50/60 Hz - 16A	Single Phase	50/60 Hz - 16A	Single Phase	50/60 Hz - 18A	3 Phases	400V - 50/60Hz -12A

Maximus V

The **Maximus** is available in 4 sizes either with or without vacuum tables. All vacuum models come with fold-away pins as well as the vacuum table and an optional camera for crop marks detection. This device, in combination with the optional Opticrop software, allows the end user to perform contour cutting or creasing on pre-printed materials.

The button clamp system allows to trim the material right to the edges, optimizing the material yield and leaves no more marks on your material. A manual blade depth adjustment dial with increments of just 0.1 mm (1/32") provides much better quality control when working with various materials and thickness. A materials storage is located behind the front plate.

Application
The maximus can be effectively used on:
Mount-board.
Folding carton and Corrugated board.
Rigid material such as vinyl, PVC, Corrugated plastic.
Foam board and Gator board.

m3 opti crop V STUDIO

Max speed	840mm(33")/sec.	Data Buffer	External PC
Acceleration	1 m/s	Tool change	Manual
Air requirements	6 Bar/90 PSI 3.50 CFM	Media Holding System	Vacuum & Pneumatic clamps
	8 BAR 115 PSI-5.30 CFM*	Cutting Capability	**5mm** (3/16") with tangential 90° head
File Format	.SVG, .PLT, .DXF, .CF2, .HPGL, .XML		**7mm** (0,27") with oscillating tool head and
Available Tools	40°, 45°, 90°, Embossing/Debossing, Creasing,		Maximus (no vacuum)
	drawing tool and oscillating tool.		**20mm** (3/4") with oscillating tool head and
Connectivity	USB 2.0		Maximus V (vacuum)

Standard configuration: Maximus or Maximus V – Cutting machine, stand, one tool plus one tangential 90° tool, V-Studio
V series also includes: 1 x Vacuum pump (v80 & v160), 2 x Vacuum pumps (v250), 3 x Vacuum pumps (v265)

*With optional oscillating tool.