Accessories for Mat Pro® Ultra V

V STUDIO

V-Studio is the Valiani Operating Software which allows the artwork preparation, file conversion and the .PLT, .SVG (i.e. 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 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.. Contact your local reseller for PC specs.

m3 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. . 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 available at extra cost.

*Compatible with Windows OS

opticrop

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

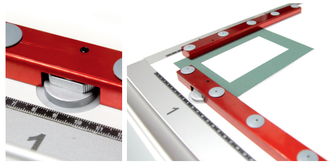
*Compatible with Windows OS

Tools Carousel - The rotating tray can effectively mount on a regular basement and provide a useful support for tools.

The interchangeable heads technology consists of quick change tool system (Valiani International Patent) able to expand all Valiani machines productivity. Thanks to a powerful magnets group all tools can be quickly swapped with no need of further calibration. A wide variety of separate tools are available; 90° ,45°, 40° cutting tool, creasing and perforating tools, embossing 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 two-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 who needs to crease folding carton, flute cardboard, corrugated cardboard and polypropylene.



Additional Clamping device - This device, mounted on any button clamps machines, can provide a better grip and alignment on any small size material.

Valiani throughout the World

Valiani Company has been producing and marketing machines for over 40 years. Its sales and support network is widespread world-wide; qualified personnel is available in more than 60 countries.

For your local support or sales team please visit valiani.com or flatbed-plotter.com

Examples of creativity and effects achieved by the various interchangeable heads.

*The Valiani company is constantly reviewing and refining it's products and consequently the product delivered may vary from the specifications shown. Whilst the specifications shown are accurate at time of printing please check with your distributor, or the Valiani company, for any changes made subsequent to publication. The Valiani company reserves the right to make changes as considered necessary.

VALIANI cutting machines

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Mat Pro® Ultra V

Vacuum & Clamp Assisted Table

The Next Generation

VALIANI cutting machines

Mat Pro® Ultra V

Best return on investment

100% Yield = 0 Waste

Low operating cost

The **Ultra 'V'** series comes to enlarge the wide range of cutting machines that continues Valiani's international reputation for manufacturing high quality machinery. Thanks to the wide range of hardware and software accessories it can be customized according to all different production requirements. The Valiani machines flexibility allows custom-tailor at any time with no extra cost.

Efficient material hold down

The large **vacuum table workspace**, combined with a new clamping system provides incomparable working flexibility over a wide range of materials. You no longer need to worry about material hold down. A perfect cut quality combined with reduced waste complete the job.

Reliability, Quality and Longevity

The **Ultra V** is assembled with high quality components and reliable technology; it features; honey-corn aluminum cutting table, high-resolution steppers motors, heavy-duty rails and steel bearings. Integrated with a low cost maintenance, the Ultra V assures the best investment in long terms.

Work flow

The **Ultra V** is available in three sizes, all supplied as standard with a 2 positions basement. Equipped with an operating software, totally developed by Valiani, it releases the maximum operability with specific apps capable of speeding up the work flow.

Productivity

The **Ultra V** is also equipped with a camera for crop mark detection. This device, in combination with optional additional software, allows the end user to perform contour cutting or creasing on pre-printed materials

Application

The **Ultra V** 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;
Apparel, Leather-goods and shoe cardboard patterns;
Polymer plate for in-line varnishing, for spot and flood coating

Machine shown with **optional** multi-material storage base (stores sheets up to 820mm x 1220mm / 32" x 48")

40 YEARS of INNOVATION 1974 - 2014

With over 40 years experience in manufacturing cutting machines and selling hundreds all over the world, Valiani is a reliable and experienced partner.

Why choose Valiani?

Versatility and Reliability
Best quality/price ratio
Increase productivity
Unleash your creativity

Sturdy Base

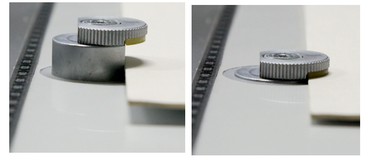
The Mat Pro Ultra V comes with standard base (as shown). Optional storage base is also available.

Ultra V 80

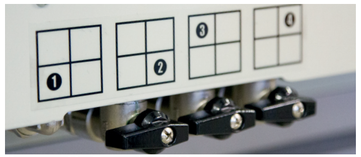
The Mat Pro Ultra V is also available in a smaller model for people with limited space that still achieves high quality results.

The Machine is equipped with a Plug & Play **Interchangeable Head** system. Powerful magnets allow to quickly hold cutting tools and work without any interruption or tools setup.

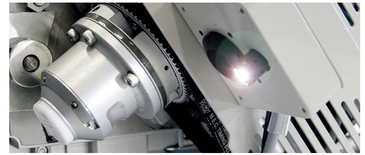
Cutting Capability. Manual depth adjustment with increments of just 0.1 mm (1/245"). Maximum thickness is 5 mm (5/16").



The **button clamp system** allows to trim the material right to the edges, optimizing the material yield.



Vacuum table. Extremely reliable rotary vane vacuum pump (oil-free and air-cooled) working through a selection of four independent work areas.



Crop mark detection. High resolution camera for crop mark detection

Packaging. Packaging, displays, folders and mock-ups creation.

V STUDIO

Technical

Mat Pro® Ultra V 150 Working area: **1515mm x 1015mm (60" x 40")**		**Mat Pro® Ultra V 120** Working area: **1215mm x 815mm (48" x 32")**		**Mat Pro® Ultra V 80** Working area: **815mm x 610mm (32" x 24")**	
Width	2010mm (79")	Width	1700mm (67")	Width	1100mm (43.3")
Depth	1400mm (55.5")	Depth	1200mm (47.2")	Depth	1020mm (40")
Height	1100mm (43.3")	Height	1100mm (43.3")	Height	850mm (33.5")
Weight	182 kg. (401 lbs)	Weight	135 kg. (310 lbs)	Weight	93 kg. (191 lbs)

Max speed	365mm(14.5")/sec.
Acceleration	1 m/s
Power requirements	Single Phase 110V/60Hz/10A, 220V/50Hz/10A.
Air requirements	6 Bar/90 PSI
Connectivity	USB
Data Buffer	External PC (Not Included)
Tool change	Manual
Media Holding System	Pneumatic

Standard configuration
Ultra V – Cutting machine, base, one cutting tool, V-Studio, camera & vacuum pump