



Short or Medium Cutting Runs...

Why not do them in-house?

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Materials & Applications

Versatile High-tech Cutting Machines

What can they be used for?

- | | |
|--|---|
| <p>Packaging</p> <p>Prototyping and Mock-up</p> <p>Digital & Offset printing die cutting</p> <p>Street and Business Signs</p> | <p>Furnishings</p> <p>Architectural Models</p> <p>Varnishing Plates</p> <p>..and much more</p> |
|--|---|

Who uses them?

- | | |
|---|--|
| <p>Graphic Design Studios</p> <p>Sign Makers</p> <p>Box makers</p> <p>Architects</p> | <p>Fashion Houses</p> <p>Museums & Galleries</p> <p>Typographers</p> <p>..and many more</p> |
|---|--|



Custom Packaging



Custom Die-Cutting



Cardboard Structural Elements



Mock-up



Architectural models



Custom framing



Apparel



Shoes and fashion pattern



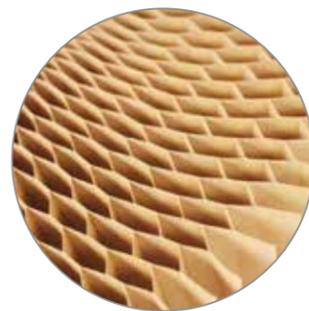
Foam Board



Vinyl/Plastic adhesive sheets



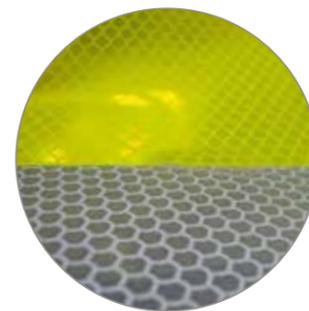
Corrugated & Folding Cardboard



Honeycomb cardboard



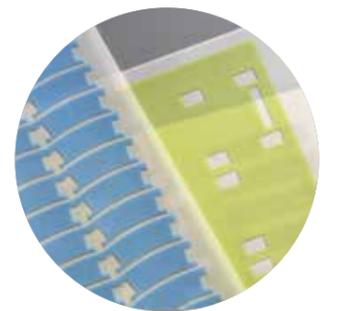
PVC



Diamond Grade Reflective



Fabrics, Leather & Foam



Coating & Varnishing Plates

Optima V

Twin Head Digital Cutting Machine



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

Digital Printing



Packaging



Apparel



The **Optima V** flatbed plotter, with its high precision, robust mechanics and reasonable starting price, is the answer for all applications in the offset/digital printing industries, display and packaging markets and apparel and leather industries. Its the ideal solution for short/medium runs of die cutting, prototyping, furnishings creation, textile/cardboard pattern cutting and much more.

Productivity

The **Optima V** is equipped with two independent and modular tool stations that prevent interruption during the work cycle. The **Optima V**, with its combined vacuum assisted table and fold-away clamping system, provides incomparable working flexibility over a wide range of materials and unparalleled accuracies to meet today's production challenges.

Application

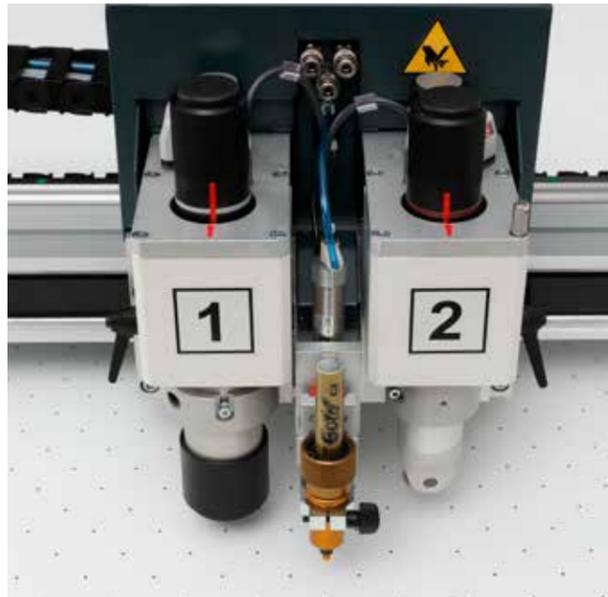
The **Optima V** can be used effectively on; a wide range of materials**

**Rigid materials such as vinyl, PVC, Forex & polycarbonate
Rubber and Crystal Decoration stickers
Foam board and Gator board
Honeycomb, Corrugated, Folding and Fluted cardboard
Textiles, Leather and Fabrics**

*With optional oscillating tool.

**Some hard materials can be cut, however but there may be some with limitations in thickness, speed and design. If in doubt please check with our customer service team.

Key features of the Optima V



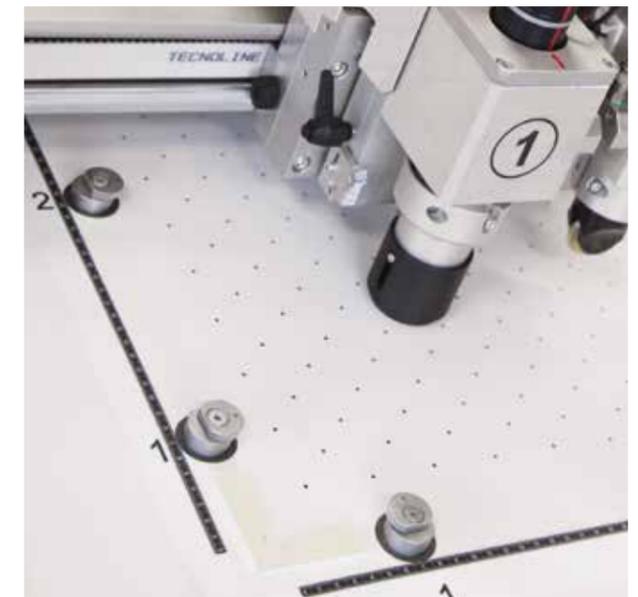
With two configurable tool stations, the Optima V is a medium format professional cutting plotter capable of: Cutting, Half cutting and Creasing; Drawing and Oscillating Cutting up to 20 mm (3/4") in thickness.**



The Optima V can be equipped with a camera (optional) for crop mark detection. This device, used in combination with OptiCrop software, can perform accurate contour cutting and creasing around pre-printed media including print-distorted materials.



Independent twin heads can be easily adjusted to various heights depending on the blade length and type. This ensures that you achieve the highest quality and cutting precision for all materials.



Vacuum table with reliable rotary vane pump. The Optima is fitted with multiple vacuum zones divided across the work surface combined with a robust fold-away button clamping system.

Technical

Optima V 80

Cutting Area:

1230 mm x 815 mm (48" x 32")

Width 1830 mm (72")
Depth 1430 mm (56")
Height 1200 mm (47")
Weight 440 kg. (970 lbs)

Power requirements Single Phase
200/208V - 50/60Hz - 16A
230V - 50/60Hz - 16A

Optima V 160

Cutting Area:

1230 mm x 1600 mm (48" x 63")

Width 1830 mm (72")
Depth 2230 mm (88")
Height 1200 mm (47")
Weight 490 kg. (1.080 lbs)

Power requirements Single Phase
200/208V - 50/60Hz - 16A
230V - 50/60Hz - 16A

Optima V 250

Cutting Area:

1230mm x 2500mm (4' x 8')

Width 1830 mm (72")
Depth 3010 mm (118.5")
Height 1200 mm (47")
Weight 600 kg. (1.322 lbs)

Power requirements Single Phase
200/208V - 50/60Hz - 18A
230V - 50/60Hz - 18A

Max speed 840 mm (33") /sec
Acceleration 1 m/s

Air requirements 6 Bar/90 PSI 3.50 CFM
8 BAR 115 PSI-5.30 CFM*

Connectivity USB 2.0
Data Buffer External PC
File Formats .SVG, .PLT .DXF, .CF2, .HPGL, .XML
Tool change Manual
No. Tools 2 slots
Cutting capacity 20mm (3/4") with oscillating tool head
5 mm (3/16") with tangential cutting tool.

Locking system Pneumatic clamps and air suction



Optima V 80

Tools



Creasing Tool

With various wheels to crease folding carton and corrugated cardboard.



Tangential Cutting Tool

Precise Multi Depth cutting tool for materials up to 5 mm (3/16") in thickness.



Oscillating/Vibrating Cutting Tool

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



Drawing Tool

Drawing/plotting tool to create dynamic drawing or text on the cardboard patterns.



Embossing Tool

Embossing tool enables users to create subtle debossing, decoration and accents. 3 different tips available.

YouTube See the Optima V in action: tinyurl.com/znoyxj8

Standard configuration
Cutting machine, stand, one cutting tool, V-Studio & vacuum pump

*With optional oscillating tool.

m³ optiCrop V STUDIO

Maximus V

Dual Heads Cutting System



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

Maximus V is the ultimate electronic cutting machine for professional users. It is targeted at companies with short to medium volume production that require robust and reliable equipment.

Maximus V 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.

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.

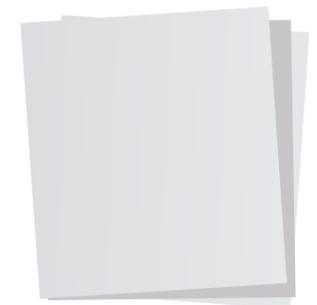
*With optional oscillating tool.

**Some hard materials can be cut, however but there may be some with limitations in thickness, speed and design. If in doubt please check with our customer service team.

Do it yourself projects
Mount-boards, Boxes, Cards,
Displays, Seasonal and Home decors
with the Maximus V and V-Studio.



Use our V-Studio Design Suite Software on your computer to create your art work



Select your material**, up to 5 mm or up to 20 mm
(with Oscillating tool), from the many compatible
with the Maximus V



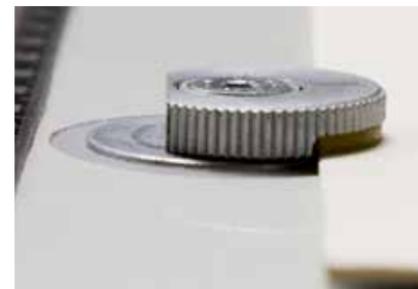
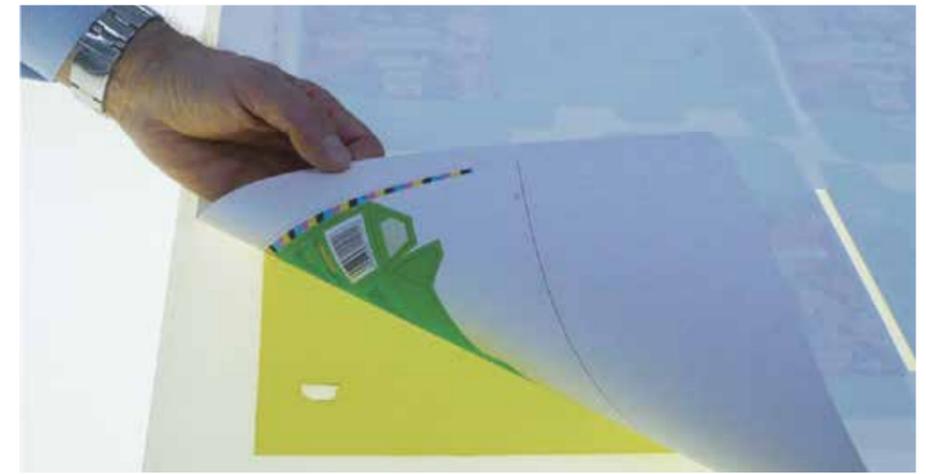
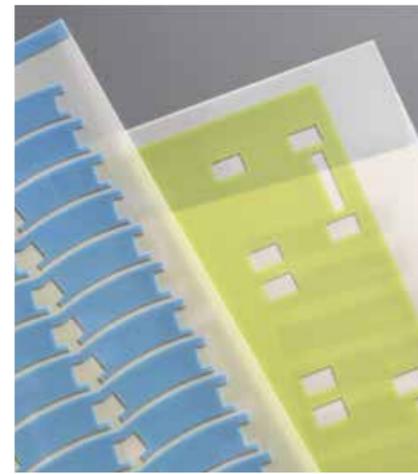
Let the Maximus V cut, draw and score with the
Interchangeable Heads and create your final
project.

Work Flow

The **Maximus V** is available in 4 sizes and is supplied with a base. All vacuum models come with fold-away pins as well as a vacuum table. The optional camera, in combination with Opticrop software, allows the end user to perform contour cutting or creasing on pre-printed materials.

Precision you can count on

The **Maximus V** is assembled with high quality components and reliable technology; it features: a honeycombed aluminum cutting table, high-resolution stepper motors, heavy-duty rails and steel bearings. Integrated with low-cost maintenance, the **Maximus V** ensures the best long term investment. From fine lines to intricate details, the **Maximus V** machine gives you the cleanest of cuts.



Cut, draw and score to create endless projects
Totally compatible with the Interchangeable Heads® system, the **Maximus V** is the ideal choice for all customers looking for a flexible product, capable of coping with today's needs. The wide range of tools available make the **Maximus V** a versatile product able to perform 90°, 45° and 40° cuts, creasing and perforating processes, debossing and drawing; ensuring that your machine will never become obsolete - providing cutting options well into the future.

Cutting capability
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 thicknesses.

Button Clamp System
The button clamp system allows the material to be trimmed to the edges, optimizing material yield and without leaving marks.

Materials
Maximus V can be used effectively on a wide range of materials used in the packaging and printing markets, including polymer varnish plates. Also in the photo-framing market for matboard bevel cutting.

Vacuum Table
In addition to the mechanical clamping system, the rotary vane vacuum pump (oil-free and air-cooled) works through a selection of independent work areas (number of areas depends on version size) to secure media positioning.



new



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



Technical

Maximus V 80	Maximus V 160	Maximus V 250	Maximus V 265
Working area: 1230 x 820mm (48" x 32")	Working area: 1230 x 1630mm (48" x 63")	Working area: 1230mm x 2520mm (48" x 99.2")	Working area: 1550 x 2650mm (61" x 104.5")
Width 1830mm(72") Depth 1430mm (56.2") Height 1200mm (47.2") Weight 440 kg. (970 lbs)	Width 1830mm(72") Depth 2230mm (88") Height 1200mm (47.2") Weight 490 kg. (1080 lbs)	Width 1830mm(72") Depth 3010mm (118.5") Height 1200mm (47.2") Weight 600 kg. (1323 lbs)	Width 3635mm(143.1") Depth 2149mm (85.8") Height 1206mm (47.5") Weight 660 kg. (1455 lbs)
Power requirements Single Phase 200/208V 50/60Hz - 16A	Power requirements Single Phase 200/208V 50/60Hz - 16A	Power requirements Single Phase 200/208V 50/60Hz - 18A	Power requirements 3 Phases 200V 50/60Hz - 20A
Single Phase 230V 50/60Hz - 16A	Single Phase 230V 50/60Hz - 16A	Single Phase 230V 50/60Hz - 18A	3 Phases 400V 50/60Hz - 12A

Max speed	840 mm (33")/sec.	Connectivity	USB 2.0
Acceleration	1 m/s	Data Buffer	External PC
Air requirements	6 Bar/90 PSI 3.50 CFM 8 BAR 115 PSI-5.30 CFM* (with oscillating tool)	Tool change	Manual
File Format	.SVG, .PLT, .DXF, .CF2, .HPGL, .XML	Media Holding System	Vacuum & Pneumatic clamps
Available Tools	40°, 45°, 90°, Embossing, Creasing, drawing tool and oscillating tool.	Cutting Capability	5mm (3/16") with tangential 90° head 20mm (3/4") with oscillating tool head

Standard configuration: 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)

Mat Pro® Ultra V

Vacuum & Clamp Assisted Table



Ultra V 150

Cut up to
5mm
(3/16")
in thickness

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 production requirements. The Valiani machine's flexibility allows users to expand their creativity and their services at an affordable price.

*machine shown with optional multi-material storage base (stores material up to 820x1220mm / 32"x 48")

**Some hard materials can be cut, but there may be some limitations in thickness, speed and design. If in doubt please check with our customer service team.

Efficient material holding

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 retention. 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: a honeycomb aluminum cutting table, high-resolution stepper motors, heavy-duty rails and steel bearings. Having low-cost maintenance, the Ultra V ensures the best long term investment.

Work flow

The **Ultra V** is available in three sizes. V150, V120 and V80, and is supplied as standard with a multi positional stand. It is equipped with operating software totally developed by Valiani that unleashes maximum utilisation using specific apps capable of speeding up the work flow.

Productivity

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

Application

The **Ultra V** can be effectively used on; a wide range of materials**

Mount board:

Folding carton and Corrugated board:

Rigid materials such as vinyl, PVC, Corrugated plastic:

Foam board and Gator board:

Apparel, Leather-goods and cardboard shoe patterns:

Polymer plate for in-line varnishing, for spot and flood coating.



Ultra V 80

* Optional

Key features of the Ultra V



The **button clamp system** allows trimming of materials right to the edges, optimizing the full sheet. Having a soft rubber coating, the button clamps leave **no marks** on the material.

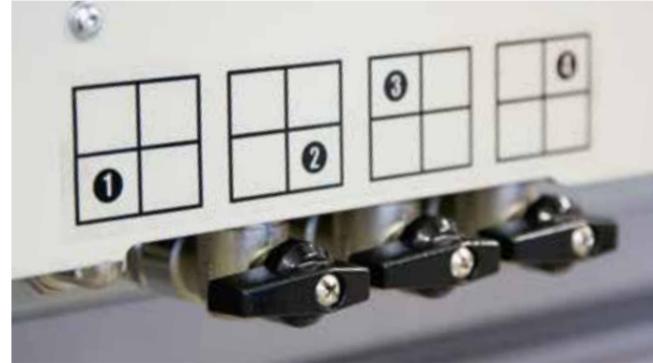
Crop mark detection. High-resolution camera (optional) for crop mark detection used in combination with the Opticrop software.



The Machine is equipped with a Plug & Play **Interchangeable Head** system. Powerful magnets hold and permit quick changes of cutting heads and function without any tools setup.



Ultra V can be used effectively on a wide range of materials for the packaging and printing markets, including polymer varnish plates.



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



Sturdy Base. The Mat Pro Ultra V comes with standard base. Optional storage base is also available.



Technical

Mat Pro® Ultra V 80

Working area:

815 mm x 615 mm (32" x 24")

Width 1020 mm (40")
Depth 1100 mm (43")
Height 850 mm (33.5")
Weight 133 kg. (293 lbs)

Mat Pro® Ultra V 120

Working area:

1215 mm x 815 mm (48" x 32")

Width 1700 mm (67")
Depth 1200 mm (47")
Height 1100 mm (43")
Weight 250 kg. (550 lbs)

Mat Pro® Ultra V 150

Working area:

1515 mm x 1015 mm (60" x 40")

Width 2010 mm (79")
Depth 1400 mm (55.5")
Height 1100 mm (43")
Weight 276 kg. (609 lbs)

Max speed	365mm (14.5")/sec.
Acceleration	1 m/s
Power requirements	Single phase 200/208/230V - 50/60Hz - 16A
Air requirements	6Bar/90 PSI – 3.50 CFM
Connectivity	USB
Data Buffer	External PC (not included)
Tool change	Manual
Media Holding System	Pneumatic & Vacuum assisted
File Formats	.SVG, .PLT .DXF, .CF2, .HPGL, .XML
Cutting capacity	5 mm (5/16")
Tools Available	40°, 45°, 90°, Embossing, Creasing, Pen holder.

Standard configuration

Cutting machine, multi positional stand, one cutting tool, V-Studio & vacuum pump.



See the Ultra V in action: tinyurl.com/j4c42g4



Accessories for the Ultra V & Maximus V

Cut, Score, Emboss & Draw

One machine, numerous possibilities



10 secs.
to change any of
the tools

Award Winning

Interchangeable Heads

The world's first interchangeable heads system

Valiani has an array of Interchangeable cutting Heads for its entire line of computerized cutters. Chosen as the **Art and Framing Industry Awards 2008 'Innovation of the Year'**, these heads are retained and positioned on the cutting head assembly by means of several small, yet powerful magnets, which make locking fasteners and hardware unnecessary. A specialised wedge-fork tool is supplied that makes removal of each head easy, safe and fast in under **15 seconds**. Each tool head is colour-coded and numbered to help simplify recognition at a glance.

In combination with the unique Interchangeable Heads system all Valiani Computerised Cutting Machines can greatly expand creativity and productivity. With up to 9 different heads that include bevel cuts, straight cuts, debossing, drawing, writing and creasing, the user can easily change the type of result and the material being used.

- ① **Yellow 90° - Straight Cut**
The 90° - Yellow head has been developed to cut foam materials and packaging cartons up to a thickness of 5 mm (3/16"). Sturdy materials such as PVC (Forex) or Gray Cardboard can be cut up to 2 or 3 mm (0.078 to 0.118 inches).
- ② **Red 45° - Bevel Cut**
The 45° - Red head produces a bevel cut with 45° angle. This head works effectively on materials with a maximum thickness of 2.3 mm (6ply).
- ③ **Grey 90° - Straight Cut (included with all Ultra Serie)**
The 90° - Grey head is commonly referred as the "standard" tool for Valiani i-Series machines. It can be used on a wide range of materials with thicknesses up to 5 mm (5/16").



- ④ **Green 40° - Bevel Cut**
The 40° Green head produces a bevel cut at 40° angle, ideal for both cutting small shapes and traditional bevel cutting. Like the Red Head it cuts up to 2.3 mm (6 ply). Ideal for polymer/varnish plates cutting.
- ⑤ **Purple Embossing / Debossing**
The Embossing/Debossing Head - Purple makes it possible to create decorations by applying pressure on different materials. Any shape or design can be elegantly embossed/debossed on the surface of the material. The purple tool includes 3 different tip types, allowing you to make decorations in various sizes.
- ⑥ **White 90° - Straight Cut**
The 90° - White head allows the cutting all types of cardboard up to 5 mm (5/16") thick. It differs from the Yellow head in that it has a pressure roller rather than a pressure foot. Ideal for polymer, blankets and varnish plates cutting.
- ⑦ **Blue 45° - Bevel Cut**
The 45° - Blue head produces a bevel cut at 45° angle. This head can cut up to 5 mm (3/16") and performs V-cutting.

Packaging Tools

Make the most of your Valiani cutting machine

The **Packaging Tools** set, consists of one head with 9 wheels of various geometry, which have been developed for the packaging market or for those who need to die cut flat board, flute board, corrugated board and polypropylene. This tools enables you to create boxes, folders, mockups and any other job that needs creasing or serrated cuts.

The various wheels can be exchanged on the head without tools and in seconds, therefore limiting delay during the working process.

The Packaging Tools head is fully compatible with any 'i-series' Valiani cutting machines and is controlled with either the **V-Studio** or **M3 Packaging Designer Software**.



1. Perforating tool

Serrated cut wheel, Ø 32 mm, 2-1 mm step.

2. Blade tool

Metal wheel, 32 mm diameter, for scoring polypropylene 250 ÷ 500gr.

3. Perforating tool

Serrated cut wheel, Ø 32 mm, 3-1 mm step.

4. Scoring tool

32 mm diameter, 1 mm round crest, tool for creasing corrugated cardboard.

5. Scoring tool

32 mm diameter, 1.5 mm round crest, tool for creasing corrugated cardboard.

6. Scoring tool

32 mm diameter, 2 mm round crest, tool for creasing corrugated cardboard.

7. Scoring tool

16 mm diameter, 0.7 mm round crest, flat board & E flute creasing wheel.

8. Scoring tool

16 mm diameter, 1 mm round crest, flat board & E flute creasing wheel.

9. Scoring tool

16 mm diameter, 1.5 mm round crest, flat board & E flute creasing wheel.



MatStylus® DeLuxe

The original drawing head for Valiani flat bed plotters.

The amazing **MatStylus DeLuxe®** allows any user to add creative, eye catching design elements to any surface. The Valiani **MatStylus DeLuxe®** is completely managed by the Valiani **V-Studio** software which can convert any template, corner design, text and even Clip-Art into a line drawing.

The **MatStylus DeLuxe®** includes 3 different sizes of adapters, allowing the user to insert various sizes and brands of pens, pencils, plotter pen cartridges and felt-tip pens. The **MatStylus DeLuxe®** offers the best accuracy and flexibility with many types of drawing tools. Multiple two-part pen holders of different sizes are supplied as standard.

Rather than gripping the pen by the body, the new conical-tip holds the pen tip, therefore each pen, no matter its size, will always be centered accurately achieving perfect lines.

MatStylus can be used with any off the shelf pen, achieving the most accurate design results in the market.



Features:

Matstylus includes 3 pen-ink cartridges that are easily identifiable by colour. Cartridges are of different sizes to fit a wide range of writing instruments.

1.	Orange/Blue	Up.D. Lo.D.	11-5,8 mm
2.	Black/Red	Up.D. Lo.D.	8,5-5,5 mm
3.	Bronze/Gold	Up.D. Lo.D.	15-8,5 mm

An easy-to-use device allows you to lock the cartridge in the correct position and without using additional tools.



* Purple cartridge is not included in the Standard Kit

V-Studio (supplied with all cutting machines)

What is V Studio?

V-Studio is the suite of programs for all Valiani machines, developed to optimize the use of all computerized cutting machines. An innovative menu allows you to reach specific applications designed to create projects with absolute simplicity. Creating original mat-boards in quicker times, personalizing your boxes and achieving contour cuts will be simpler from today thanks to an ideal design environment, equipped with extraordinary tools.



Modern and Intuitive environment...

Design and create content for various types of work in a complete creative ambience, with an attractive look and with all the tools that you had always wished for. Thanks to a pleasing layout, clean and harmonious, the new functionality is easy to access and rationally positioned to optimize the creative workflow. A large preview, positioned in the centre of the screen, allows a clearer visualization of what the final project will be like.

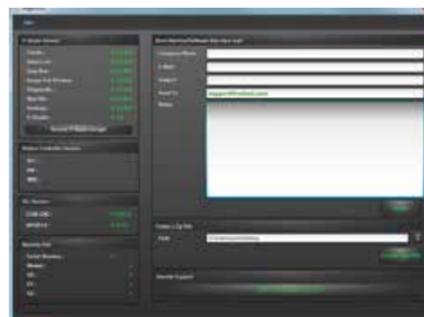
Software and hardware...

Valiani makes both the hardware and the software for all its range of machines. Everything is conceived to work together.

What makes everyday things easy to do...

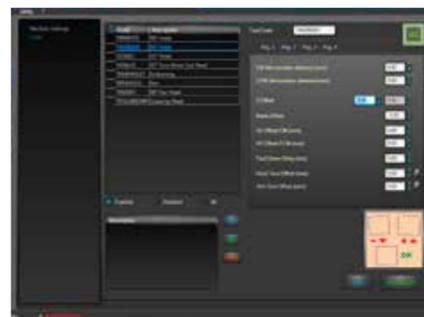
Every day you will discover how many tools and features are included in V-Studio:

- Parametric templates
- Guide Lines
- Shaping Tool
- Nesting Mode
- Vector file importation
- Contour Tool
- "Auto size" function
- True Type Fonts compatibility
- Available in mm, cm and inches
- Selection Object "combo" mode
- Easy to create opening array
- Visual labels
- Working interface completely independent from the drawing programs.
- Multi language fronted
- POS (Point of Sale) software integration



Diagnostic

Make your machine check-up easier and smoother, with comprehensive input/output screen, Remote support and machine Info screen.



Settings

Totally configurable via the settings menu, V-Studio allows the user the freedom to create a unique configuration, adapting the program to your requirements and not vice versa.

What is new?

With a more polished design, improved performance and new features, V-Studio 1.2 will take you to the next level.

Pool Mode

Completely automatic creation of jobs optimization and nesting.

Bar Code importation

To import file through a bar code scan.

.VXML file format compatibility

To import file from a third party software house.

.CSV file format compatibility

To import cutting lists from Excel or similar.

Wireframe view

Similar to x-ray view to make shapes manipulation easier.

Second Tool Bar

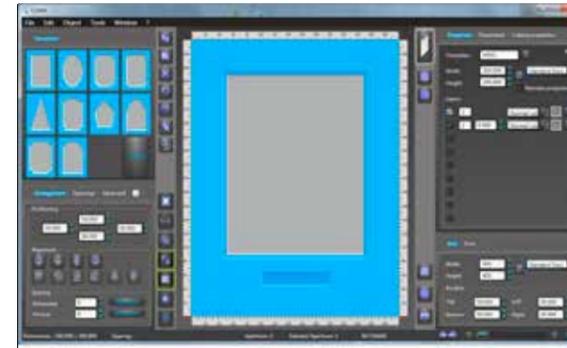
To optimize and speed up daily use.

New block Fonts and Single line fonts

Over than 1.200 Clip Art. All arranged by categories

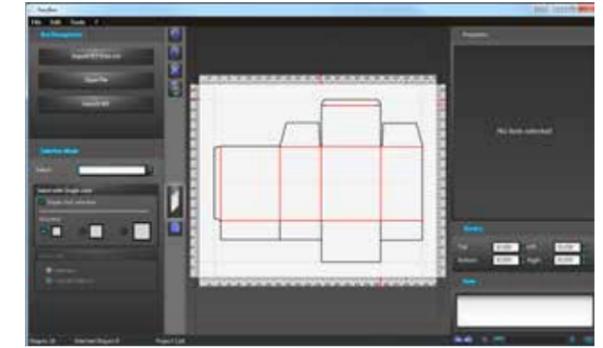
Comprehensible tutorial image

Which Application makes V-Studio so special?



Create

Discover new ways to create mat board frames with full creative freedom and with maximum ease, using avant-garde tools. Work quickly and intuitively thanks to a coherent approach with the user interface in all its components.



Easy Box

Increase your productivity, using the exceptional functionality of the new application for editing packaging. Utilize the new, purposely developed, functionality to improve integration with the M3 application and increase its productivity.

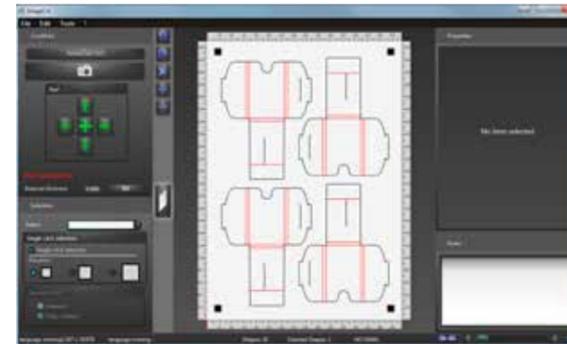
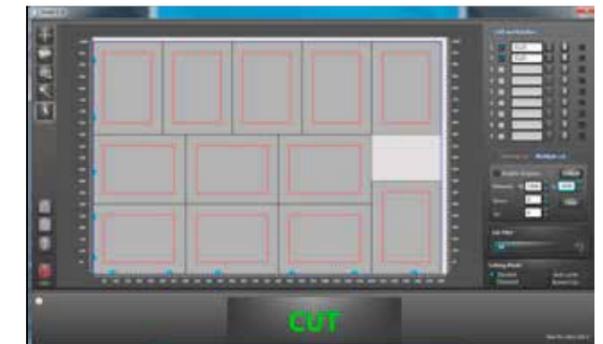


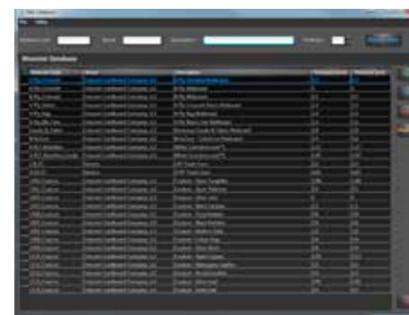
Image Cut

Reach new levels with the functionality to perform contour cut shapes. Use the crop mark detection function to accurately cut pre-printed designs.



Smart Cut

Use the most common vector graphic programs to transfer your projects to Valiani machines.



Material Database

Optimize the software usage by storing all your materials details including their specs, relevant tools & machine settings.

Easy to Upgrade...

V-Studio updates are free and available to download from the Valiani support website or your local dealer's website. The process is completely automatic and does not require any special operations.



opti crop

Crop mark detection software

What is Opticrop?

OptiCrop is the easy to use software, conceived by Valiani, to perform Contour Cuts on pre-printed images. The software, used in combination with ImageCut provides the user with a diagram to preview the contour cuts. This preview will even assist in searching for registration marks and export the artwork into your machine correctly.

Hardware and Software

The machine mounted camera can read registration marks and detect the position of cuts on the machine's table. OptiCrop has an advanced feature that permits the redrawing of the artwork according to the print skew. This feature always ensures the maximum precision when performing the contour cuts.

What is the Contour Cutting?

Contour Cutting involves placing an outline around an object and making the machine cut it.

Which file formats are compatible?

OptiCrop works with .SVG (Adobe Ill. Or Corel Draw), .VXML, and DXF files.

With which R.I.P. software is integrated?

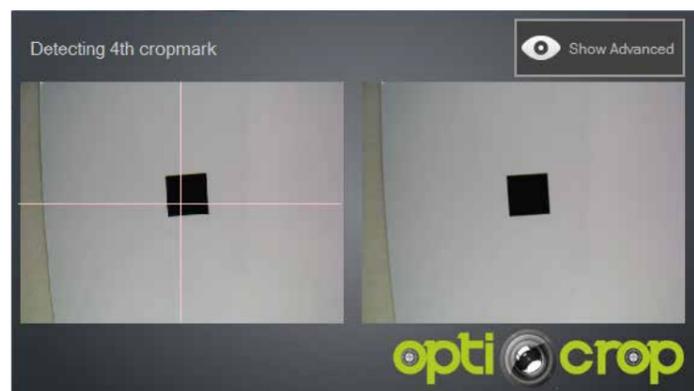
The software can import file generated by Caldera, Onyx and SAI.

Color Recognition

Since OptiCrop works with vector files, it is possible to set-up plotting process using different pen colours on your art work. Using a black line the software will import the object as a cut. This feature also recognizes different colours and allows the user to set-up halftone colours in V-Studio.

See OptiCrop in action:

<http://tinyurl.com/jx2txro>



Are registration marks plug-ins available?

Plug-ins to add registration marks are available for both, Corel Draw and Adobe Illustrator.

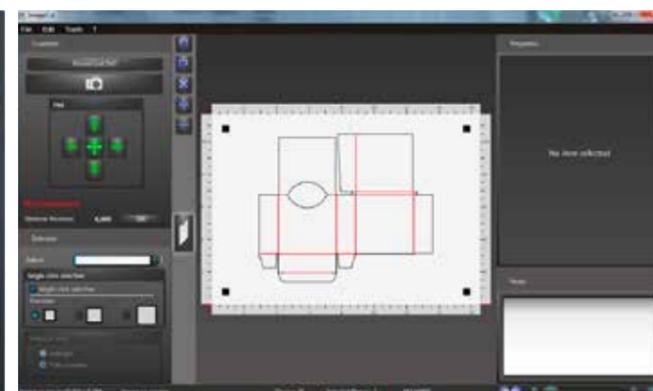
How does it work?

Once the camera is positioned on the first registration mark OptiCrop automatically detects the 2nd, 3rd and 4th marks, redrawing the artwork according to its position on the cutting table.

Retry mode is a time saving feature that allows the user to repeat the crop mark acquisition cycle should they not be found at the first attempt.

What makes everyday things easy to use

- Pen Colours identification
- Square and round crop marks, whether black or even white on a dark background.
- Customizable registration marks sizes
- High tolerance to variation in brightness
- No limitation in registration marks positioning (Inside or outside artwork perimeter)
- Straightening cutting process available up to +/- 44°
- Repositioning camera capability in case of recognition failure
- Capability to manage objects rotated 90°
- Multiple sheets detecting option
- Mirror Mode for face down cut
- Automatic repetition of the last process



What are m3 & m3 Art software?

They are specialized software for boxes and POP/POS Display. Including support materials for folding carton, corrugated board and rigid board.

The **m3** is a comprehensive library of parametric components and designs, specifically designed for the Valiani cutting machines. It is structured to deliver the capability to edit packaging, display cases and other cardboard based 3D objects, resize & Cut.

Features:

- Parametric libraries for packaging in millimeters and inches
- An integrated library index with sections for different materials
- Support for ECMA and FEFCO codes, and a line-up of additional parametric designs
- Resizing and automatic structural modification by parameter editing
- Dedicated driver for Valiani

What do I find in the Library?

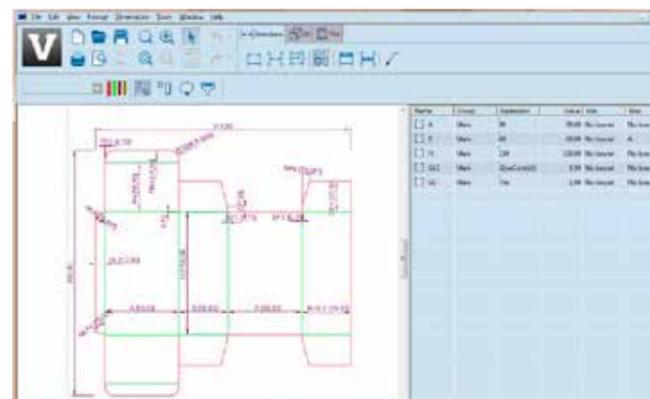
The **m3** library of resizable designs contains more than **500** ready-to-use standards of corrugated board, folding carton or inverted corrugated board (ICB) packages. The Library of resizable designs contains designs of corrugated containers and folding carton boxes that conform to the FEFCO and ECMA standards, as well as to own standards.

The **m3 Art** Library contains more than **1700** ready-to-use projects. Parametric designs for folding carton and corrugated cardboard, including the full ECMA and FEFCO codes. Standards appropriate for PVC and corrugated plastics are also available and a collection of parametric POP/POS displays and complex multipart structures – furniture, walls, booths, kids' corners – for corrugated and rigid board.

The values of the parameters - for example, box height, side length, material thickness - can be altered so that new packaging can be created. The design is then automatically calculated and the relations between the various parts of the design are kept by the packaging software.

How is it integrated with Valiani cutting machines?

Both **m3** bundles are fully integrated with Valiani **V-Studio**, allowing users to edit any designs, customize them and finally export to V-Studio with cutting commands intact. From version 5 and later, there is 'instant cut' with a dedicated Valiani button.



The **m3 Art** is a combination of functionalities giving graphic designers the flexibility to work directly in Adobe Illustrator with files from the packaging and POP/POS displays parametric libraries. Native m3 files can be opened in Illustrator without conversion and can be resized.

Focusing on the visual side of the design process, the **m3 Art** offers intuitive 3D prototyping with realistic visualization of the material, print and finishing effects within Illustrator. This integration ensures that the powers of graphic and CAD software systems complement one another – a process that increases productivity and requires minimal effort.

Features:

- Conversion-free opening of native EngView files
- Resizing of designs directly in Adobe Illustrator
- Immediate inspection of any change in 3D
- Artwork replications and finishing effects
- Front and rear artwork placement variants
- Generation of 3D PDF