

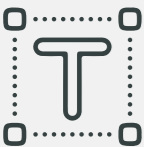
# OPTIMA SERIES 80/160/250

## DUAL-HEAD DIE-CUTTING MACHINE

Optima series is suitable for **almost every applications** in the offset/digital printing, display/packaging and apparel/leather markets.

It is the ideal solution for **short and medium runs** of die cutting, prototyping, honeycomb furniture creation, textile/cardboard pattern cutting and much more.

Thanks to its heavy-duty structure, its high-quality components and its versatility in processing different materials and thicknesses, Optima is considered one of the most demanded products by Valiani customers.



### SIZES MATTER

Optima Series is available in multiple bed sizes.



### TWO MODULAR TOOL HOLDERS

The possibility to easily swap one tool with another one enables the user to create the perfect configuration for various cutting requirements.

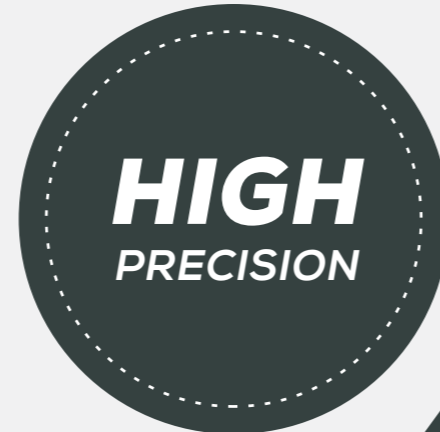


### YOUR BEST INVESTMENT

1. High-quality and cutting precision for many materials
2. Perfect price-quality ratio
3. Low-cost maintenance



For more information scan the QR code or visit our website at [www.valiani.com](http://www.valiani.com)



**ALPHASET**  
TECHNOLÓGIE A MATERIÁLY NA VÝROBU REKLAMY

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## Main Applications

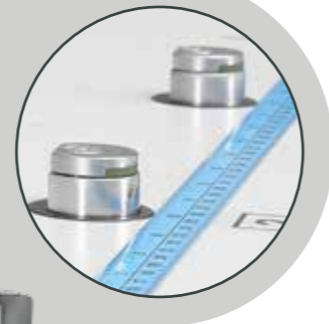
- Contour cut of Digital and Offset Prints
- Box and Packaging Production
- POP/POS Displays
- Street and Business Signage
- Offset Varnishing Plates
- Architectural Models
- Motorbike decals
- Cardboard Honeycomb Furniture
- Patterns for Shoes and Fashion Industry
- Photo Albums

## Materials

- Folding Carton and Corrugated Cardboard
- Vinyl / Plastic / Adhesive sheets
- Diamond Grade / Reflective sheets
- PVC and Foam Board
- Coating and Rubber Blankets
- Leather and Fabrics
- And a lot more...

# Optima 80 | 160 | 250

Optima Series comes as standard with pneumatic **fold-away clamps** and vacuum table.



# Optima Series

### Tools available

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

• **Multifunctional Tool Holder**

• **Versa-Tool Holder**  
• **Fixed Tool Holder**



**MTH**



**FTH**



**VTH**



## FEATURES

- Equipped with two independent Tool Holders systems that allow multiple tool combination.
- Combines vacuum-assisted table and pneumatic fold-away clamping system.
- Incomparable working flexibility over a wide range of materials.
- Unparalleled cutting accuracy also on intricate designs.
- Customizable into various configurations depending on the tools chosen equippable with a high-resolution camera, a software for crop mark detection and additionally with an optional packaging software.
- Available in 3 different bed sizes and one XL bed size.

## Technical Data



Optima Models	80	160	250
Cutting Size	1230x820 mm (48.5x32")	1230x1630 mm (48.5x64")	1230x2500 mm (48.5x96")
Width	1830 mm/72"	1830 mm/72"	1830 mm/72"
Depth	1430 mm/56"	2230 mm/88"	3010 mm/118.5"
Height	1200 mm/47"	1200 mm/47"	1200 mm/47"
Weight	440 kg (970 lbs)	490 kg (1,080 lbs)	600 kg (1,322 lbs)
Max Cutting Speed	600 mm/sec		
Acceleration	1 m/s <sup>2</sup> - (39.4")/s <sup>2</sup>		
Power Requirements	Single phase 220/208/230V 50/60Hz 8.2A	Single phase 220/208/230V 50/60Hz 8.2A	Single phase 220/208/230V 50/60Hz 15.8A
Power	1.7 KVA	1.7 KVA	2.8 KVA
Air requirements	6 BAR/90 PSI (3,5 CFM) 8 BAR/115 PSI (5,3 CFM) with Oscillating tool		
Formato File	SVG, .PLT, .DXF, .CF2, .HPGL, .XML, .PDF		
Tool Change	Manual		
Tools Available	90°, 45°, 40°, Embossing, Creasing, Drawing, Oscillating tool and Kiss cut tool		
Tools Holder	2 + 1F		
Connectivity	Ethernet (USB 2.0*)		
Data Buffer	External PC		
Media Hold System	Vacuum bed and Pneumatic Clamping System		
Fixed Tool	Pen (Optional)		
Cutting Capacity	0.1 > 5 mm (0,19") with Tangential Blade 0.1 > 20 mm (0,78") with Oscillating Blade		
Repeatability	≤0.1 mm		
Supported OS	Windows 7, 10, 11		
CropMarks Rec.	Camera + Software (Optional)		

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.



# OPTIMA XL 300



## Main Applications

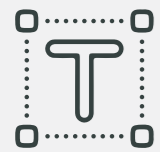
- Contour cut of Digital and Offset Prints
- Box and Packaging Production
- POP/POS Displays
- Street and Business Signage
- Offset Varnishing Plates / Rubber Blankets
- Architectural Models
- Motorbike decals
- Cardboard Honeycomb Furniture

## EXTRA LARGE BED SIZE

Optima XL series combines the greatest features of Optima series with the opportunities of a **large format** machine, thus giving rise to a product designed to increase production capacity and perform multiple processes.

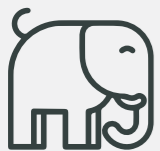
The large cutting surface in combination with the vacuum table guarantees a perfect media holding on a wide range of materials.

Thought to cut extra-large materials, it represents the ideal cutting machine both for those who need a **larger worktable** and looking for **productivity and guaranteed performance**.



### FROM SMALL TO LARGE

Optima and Optima XL Series are available in **four different cutting sizes**, covering from small to large cutting needs and offering the best price-quality ratio.



### SUPERIOR MANUFACTURING, QUALITY AND RELIABILITY

All Valiani machines are designed and developed with the aim to make them **last forever**. Repeatability and reliability are two factors that summarize the concept of quality asseverated in Valiani.



### MULTIPLE CROP MARKS DETECTION

Like in every Valiani Machinery, it is always possible to detect printing crop marks both for single sheet and for **multiple sheets**.

When the design is printed on smaller format, the system reads crop marks for each copy and accordingly performs a contour cut. Reverse side processing is another great feature when cutting and creasing delicate materials.



## Technical Data

Optima XL Models	300
Cutting Size	1600x3050 mm (63x120")
Width	2200 mm / 86,6"
Depth	3640 mm / 143,3"
Height	1200 mm / 47"
Weight	690 kg / 1522 lbs
Power Requirements	3 - Phase - 230V 60Hz 20A 3 - Phase - 400V 50Hz 12A
Power	4.5 KVA
<b>**For the other specs see page 25</b>	

### Tools available

Optima XL can be equipped with all tools compatible with the following tool holders:

- Multifunctional Tool Holder

- Versa-Tool Holder
- Fixed Tool Holder



MTH



FTH



VTH



# TOOLS AND HOLDERS

The combinations between Tools and Holders make Valiani flatbed cutting machines the ideal solution for many applications and materials.



## HOLDERS

All Valiani cutting machines are based on a modular tooling system that enables to assemble different tools from a set of common building blocks. Thanks to this system, users can quickly assemble tools for different finishing process. This reduces the time of tool changeover and boosts productivity.



## TOOLS

Valiani has an array of tools that fit onto a multifunctional tool holder to enlarge the range of cutting process available on some models such as Oscillating knife, V-Cutting, Kiss cutting and many others. Valiani Tools grant the users both **Modularity** and **Quick-Change** capability. This versatility represents a gain in the machining capacity, improving the return on the users capital invested in the machine.



## INTERCHANGEABLE HEADS (TO BE COMBINED WITH VERSATOOL)








Valiani has also an array of interchangeable heads for their entire line of flatbed cutters. These heads are retained and positioned on the cutting head assembly by means of several small, yet powerful magnets, which make locking faster and hardware unnecessary. A dedicated wedge-fork is supplied with the heads which makes easy, safe and fast the head change. Each tool head is color-coded and numbered to help simplify recognition at a glance.



For more information scan the QR code or visit our website at [www.valiani.com](http://www.valiani.com)



## LEGEND

Tool Holders		
 <b>MTH</b> Multifunctional Tool Holder	 <b>VTH</b> Versa-Tool Tool Holder	 <b>FTH</b> Fixed Tool Holder
Machines		
 <b>IN</b> Invicta	 <b>OP</b> Optima	 <b>IG</b> Integra
 <b>OM</b> Omnia		





# Holders

## Multifunctional Tool Holder - (MTH) **IN OP IG OM**



The Multifunctional Tool Holder is designed to fit many different tools. The simplicity of this tool holder makes it very easy to change from one tool to another. A simple locking system allows the operator to change tools anytime the cutting process requires, in less than 10 seconds. This feature translates into the possibility of having countless tools on the machine regardless of the number of the tool holder modules. The Multifunctional Tool Holder comes as standard with a manual adjustment to set blade depth or creasing pressure. Holder can be operated in pressure or position mode.

- **Quick Tool Change and No calibration needed**
- **High Precision Adjustment Setup**
- **Long Life and Heavy-Duty Equipment**

## VersaTool Holder - (VTH) **IN OP IG OM**



The VersaTool is the essence of the **All-in-One tool**, it is designed to fit all the interchangeable cutting heads. The VersaTool, in combination with the right cutting heads, is ideal for half cut and, straight cut on varnishing plates / rubber blankets, on any type of cardboard and v-cut on chip grey boards. Thanks to the **patented magnets system**, tool change timing is drastically reduced, safeguarding cutting precision and increasing machine's productivity. **VersaTool Holder** can be equipped with 40°/45° beveled cutting heads, embossing/debossing, creasing, and 90° cutting head.

- **Quick Tool Change and No calibration needed**
- **Versatility and reliability**
- **Limitless expandability / No Obsolescence**

## Fixed Tool Holder - (FTH) **IN OP IG OM**



On Valiani machines it is possible to mount fixed pen tool holders in addition to the ones provided by default. This tool holder supports every type of pen, pencil and felt-tip pen, thought to draw and write on many materials including cardboard and paper patterns for apparel market.



## **Powerful Pneumatic Oscillating knife (PPO)**



For thick honeycomb cardboard, composite coam, coroplast and forex. The oscillating cutting tool is a pneumatically powered tool, ideal for cutting heavy strength materials up to 20 mm (3/4")\* but it can also handle thinner and softer ones. The combination of the air pressure strength and the 8 mm stroke make it suitable for a wide range of applications.

- **Powerful and low-maintenance pneumatic tool**
- **8 mm stroke/ 9.000 Bpm**
- **20 mm (3/4") cutting capacity\***
- **Compatible with MTH**

*Blade type:*  
oscillating  
round shank  
blades

\*Depending on material rigidity

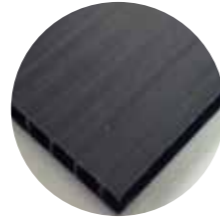
MATERIALS



Honeycomb board



Pvc/Forex



Coroplast



Rubber Gaskets

## **Multipurpose Tangential Drag knife - (MTD)**



For folding and corrugated cardboard, vinyl, thin plastics and a lot more materials. The tangential cutting tool is a precise multi depth tool, capable to handle material up to 5 mm (3/16") thick. The tangential drag knife allows to cut at full speed releasing very high-quality finishes. The tool is always **included** on all machines except Invicta.

- **High-quality finishing**
- **Versatile, handles most thin materials**
- **5 mm (3/16") cutting capacity**
- **Compatible with MTH**

*Blade type:*  
Pulling flat  
blades

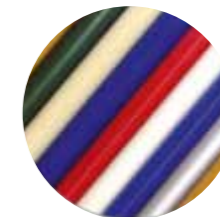
MATERIALS



Folding Cardbord



Single Corrugated board



Vinyl



Grey-board

## **High-speed Pneumatic Oscillating knife (HPO)**



Ideal on textile, foam, polyethylene and corrugated materials. The High-speed Oscillating cutting tool is a pneumatically powered tool that combines performance with extreme precision. The 8 mm stroke and the high oscillating frequency make it capable to process softer and thinner materials at higher speed, reaching excellent quality level and speed.

- **High performance**
- **8 mm stroke/14.000 Bpm**
- **20 mm (3/16") cutting capacity on softer materials**
- **Compatible with MTH**

*Blade type:*  
oscillating  
flat blades

MATERIALS



Multi-flute Corrugated board



Textile and Leather



Foam-board



Micro Corrugated Sheet

## **Kiss-cut Tangential knife - (KCT)**



The Kiss Cutting Tool is an accessory designed for semi half-cutting materials up to 1.2 mm thick. Thanks to its mechanically controlled blade management, it can perform cuts with extreme accuracy. Equipped with a blade guide, the tool provides consistent and precise control over the cutting depth for various processes.

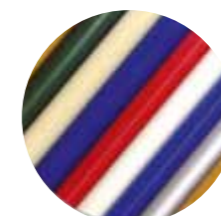
- **Type: spring-controlled pressure**
- **Pressure: springs up to 120g, 650g e 1800g**
- **Blades: tangential**
- **Compatible with MTH**

*Blade type:*  
tangential  
blades

MATERIALS



Paper <200gr



Adhesive vinyl / Sandblast



Adhesive PVC Banner



Protective film





## ⚙️ Universal Creasing Tool – (UCT)



The Universal creasing tool is a multi-use tool that comes as standard with 9 wheels with creasing and perforating functions. The tool is able to crease a wide variety of folding cardboard, polypropylene, single flute sheets, etc. Wheels can be easily changed thanks to the magnetic holding system.

- **Adjustable creasing pressure**
- **Clean and precise creases**
- **Wheels easy mount**
- **Compatible with MTH**

### WHEELS AVAILABLE

- *Set of creasers for Folding Cardboard (3 pcs)*
- *Set of creasers for Corrugated Cardboard (3 pcs)*
- *Set of perforating wheels (3 pcs)*

Ø16 - Ø32

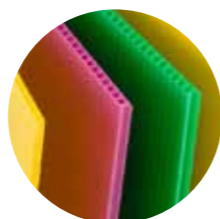
MATERIALS



Folding cardboard



Micro Corrugated Sheet



Polypropylene Honeycomb



Archival Corrugated Board



## ⚙️ Multi-Wall Creasing Tool – (MCW)



The 4 Multi-Flute(s) creasing wheels have been designed to handle double and triple flute corrugated board. They work in combination with a special creasing tool to be bought separately.\*

The larger diameter of the creasers allows to produce fine creases both with and against the corrugation, Multi-Wall Creasing Wheels can be easily changed thanks to the magnetic holding system.

- **Wheel easy mount**
- **Clean creases on double as well as triple walls**
- **Adjustable creasing pressure**
- **Compatible with UCT**

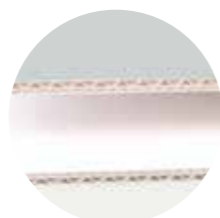
\*Multi-wall creasing tool and wheels are optional upon request, not included within the above Universal Creasing Tool

Ø60

MATERIALS



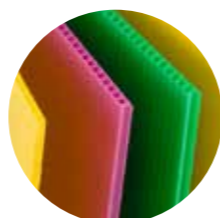
Single-Wall Corrugated Cardboard



Double-Wall Archival Cardboard



Triple-Wall Corrugated Cardboard



Polypropylene Honeycomb



## ⚙️ Plot Drawing Tool – (PDT)

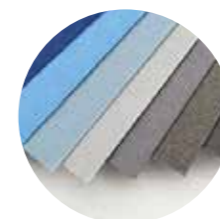


For those needing to write part numbers or job names on items prior to cutting. The Plot Drawing Tool is available for the tool holder body and it takes standard pen cartridge ball point.

This tool is also ideal to label materials such as cardstock with text, marks or symbols.

- **High speed**
- **Quick pen change**
- **Ideal for text or marks on cardstock**
- **Compatible with MTH**

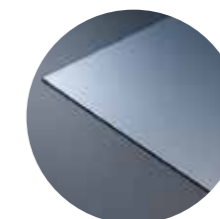
MATERIALS



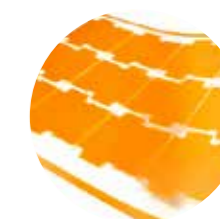
Folding Cardstock



Heavy cardstock for apparel patterns



Polycarbonate



Varnishing Plates



## ⚙️ V-Cut and Bevel Tool – (VBT)



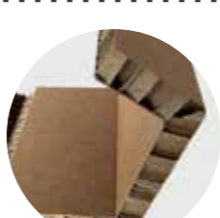
The V-Cutting tool is a specific tool for creating beveled edges and folding thicker materials. The Tool is the ideal for producing three-dimensional structural designs made of honeycomb cardboard, foam-core materials or light coroplast display board. The tool has multiple blade holders\* to produce bevel cuts at 15°, 22.5°, 30° (optional) and 45° (included). Thickness capacity ranges between **6 mm (0,23")** and **16 mm (0,62")**.

- **Heavy-duty**
- **For display racks and large-sized cardboard structures**
- **Variable angle\***
- **Compatible with MTH**

\*15°, 22.5°, 30° blades are optional upon request, not included within V-Cut Tool

\*Available on Optima and Integra only

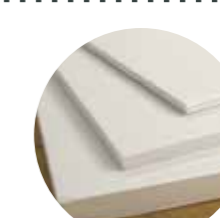
MATERIALS



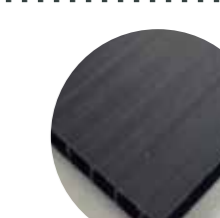
Honeycomb board



Triple-Wall Corrugated



Cardboard Composite Foam



Coroplast



### Routing Tool (RT)

The 1 kW router, to be mounted on **Integra**, can handle the processing of the most common rigid supports used in the graphic and sign industry, including rigid PVC, acrylic and aluminum/dibond composite panels and plexiglass up to 13 mm thick; allowing to produce a perfect finishing of printed materials and much more. Max recommended milling bit diameter of 6 mm.

- **Speed range 5.000 - 60.000 rpm**
- **Tool change: manual wrench (max cutting Ø5)**
- **Max diameter routing shank 6 mm**

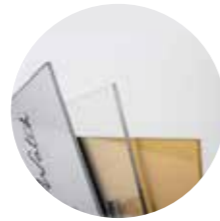
MATERIALS



Aluminum composite



Medium-density Fiberboard



Plexiglass/Acrylic



Pvc/Forex

# Interchangeable Heads

To be combined with VersaTool



### White 90° - Straight Cut and Kiss-Cut (IHW)

The 90° - White head has been developed to cut a wide range of materials up to a thickness of 6,3 mm (1/4"), but mainly for kiss-cut/half cut. It comes as standard with one pressure roller and a metal foot. It's ideal for rubber blankets, varnish blankets and plates.

- **Multi-purpose cutting head**
- **Kiss-cut tool**
- **Clean and precise cutting of varnish plates and rubber blankets**
- **Compatible with VersaTool Holder**

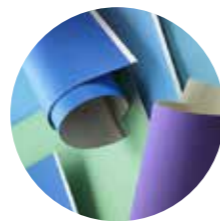
MATERIALS



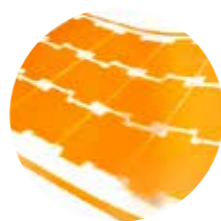
Grey board



Luxury packaging board



Varnishing plates and rubber blankets



Polyester-based Varnishing Plates

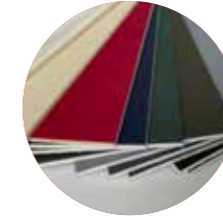


### Green 40° - Bevel Cut - (IHG)

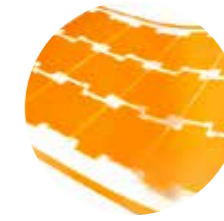
The 40° - Green head produces a bevel cut at 40° angle, ideal for both cutting small shapes and traditional bevel cutting. It cuts up to 2.3 mm (0,09"). Recommended for mat-board and polyester-based varnishing plates.

- **Ideal bevel cutting tool for matboards**
- **Intricated design cut on polyester based varnish plates**
- **Compatible with VersaTool Holder**

MATERIALS



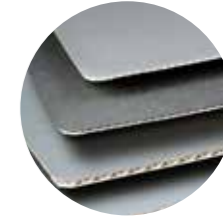
Standard mat-board up to 2.3 mm (6ply)



Polyester-based Varnishing Plates



Suede Mat-board



Thin museum archival board



### Blue 45° - Bevel Cut - (IHB)

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 as well. This application is highly demanded in the field of luxury packaging and more precisely to create rigid boxes. Excellent results are also obtained while cutting grey board and foamboard.

- **More pronounced bevel cut**
- **Ideal for high-end luxury boxes**
- **Fine edges on V-cuts**
- **Compatible with VersaTool Holder**

MATERIALS



Standard mat-board up to 5 mm (3/16")



Foamboard up to 5 mm (3/16")



Grey Board up to 5 mm (3/16")



Luxury packaging board



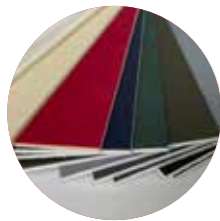


### Purple - Embossing / Debossing - (IHP)

The Embossing/Debossing Head – Purple head includes 4 different tip types and it is used to create decorations by applying pressure on different materials. Any shape or design can be elegantly embossed/debossed on the surface of the material depending on its rigidity and consistency.

- Give your design another dimension
- Raise the surface of your design
- Ideal for braille applications
- Compatible with VersaTool Holder

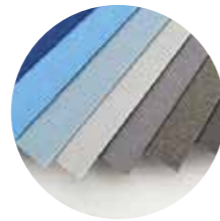
#### MATERIALS



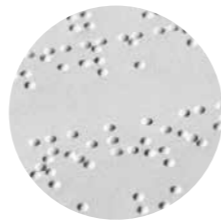
Standard mat-board up to 2.2 mm (6ply)



Coated and laminated paper



Folding Cardstock



Braille



### Grey 90° - Straight Cut - (IEH)

The 90° - Grey head has been developed to perform a straight cut on a wide range of materials up to a thickness of 5 mm (3/16"). It releases a perfect finishing results on folding and corrugated cardboard, vinyl adhesives, thin plastics and more. It has the same function of the multipurpose tangential knife.

- Universal straight cutting tool
- It comes as standard with a metal and teflon foot
- Compatible with VersaTool Holder

#### MATERIALS



Grey-board



Multi-flute corrugated board



Paper Patterns



Cristal Adhesives



### Brown - Creasing/Scoring (IHBr)

The Packaging - Brown Tools set consists of one head with 9 wheels of various geometry, which have been developed for the packaging market for those who need to crease cut cardstock, flute board, corrugated board and polypropylene. It has the same function of Universal Creasing Tool.

- Adjustable creasing pressure
- Clean and precise creases
- Wheels easy mount
- Compatible with VersaTool Holder

#### WHEELS AVAILABLE

- Set of creasers for Folding Cardboard (3 pcs)
- Set of creasers for Corrugated Cardboard (3 pcs)
- Set of perforating wheels (3pcs)

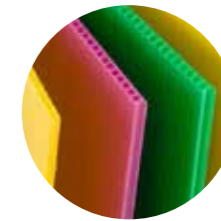
#### MATERIALS



Folding cardboard



Micro Corrugated Sheet



Polypropylene Honeycomb



Archival Corrugated Board

#### Brown - Creasing Wheels (Part of IHBr)

#### WHEELS



**1**  
Perforating tool: Serrated cut wheel, Ø 32 mm, 2-1 mm step.



**2**  
Blade tool: Metal wheel, Ø 32 mm diameter.



**3**  
Perforating tool: Serrated cut wheel, Ø 32 mm, 3-1 mm step.



**4**  
Scoring tool: 32 mm diameter, 2 mm round crest.



**5**  
Scoring tool: 32 mm diameter, 1.5 mm round crest.



**6**  
Scoring tool: 32 mm diameter, 1 mm round crest.



**7** Scoring tool: 16 mm diameter, 0.7 mm round crest.

**8** Scoring tool: 16 mm diameter, 1 mm round crest.

**9** Scoring tool: 16 mm diameter, 1.5 mm round crest.

# Fixed Tools



## Multipurpose Drawing Tool (MDT)

On every machine it is possible to mount a fixed tool as a third or second optional tool depending on the machine model. The Multipurpose Drawing tool is very user-friendly since it takes standard drawing tools such as felt-tip pens and ballpoint pens.

- Available for Invicta, Optima, Integra and Omnia
- Precise on any type of writing or decoration
- Works with any type of pen
- Compatible with Fixed Tool Holder

### MATERIALS



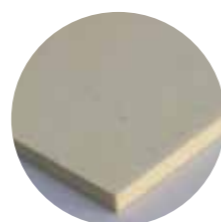
Mat-board



Cardstock



Paper Patterns



Woodboard



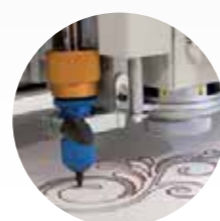
### PEN CARTRIDGES (INCLUDED)



**1 Bronze/Gold:**  
Upper and lower diameter 15-8.5 mm



**2 Black/Red:**  
Upper and lower diameter 8.5-5.5 mm



**3 Orange/Blue:**  
Upper and lower diameter 11-5.8 mm

# SOFTWARE AND PROGRAMS

What makes Valiani special is the ability to integrate innovative and extremely easy-to-use software solutions.

You can choose among different software and applications to make your Valiani perform at its best.



## V-STUDIO

V-Studio is the Valiani desktop application software, developed to improve the man/machine experience. Thanks to an optimized design environment and equipped

with innovative tools, users will be able to cut any .SVG, .PDF and .PLT, as well as .CFF2 and DXF.

This user-friendly software makes it easy producing customized packaging models\* and perform contour cuts on pre-printed materials. With the intuitive user interface and powerful toolset, anyone can cut a job like a pro after a short training.

\*Packaging models are within the M3 or M3 Art software.



## OPTICROP

OptiCrop is the software that allows you to manage contour cut on pre-printed images and create endless application.

Used in conjunction with a high-resolution camera, it allows you to identify crop marks, realign graphics to match them and adjust the print skew.



## M3 AND M3 ART

M3 and M3 Art software are the perfect way to start producing boxes and POP/POS Displays. Using their large parametric library, that includes models for folding carton, corrugated board, honeycomb board and rigid grey board, you have virtually endless possibilities.



For more information scan the QR code or visit our website at [www.valiani.com](http://www.valiani.com)



# V-STUDIO

THE SIMPLEST WAY TO MAKE THE BEST FROM YOUR VALIANI



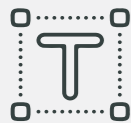
## FULL CONTROL OVER YOUR VALIANI

You can set plotting process, tools, pressure and speed, overcut, multi-cut, blade offset, mirroring, cut selection only and many others.



## SUPPORTING MOST COMMON GRAPHIC SOFTWARE

Works perfectly with Adobe Illustrator or Corel Draw through .SVG or .PDF file format, CAD software through .DXF file format and last but not least most of the Packaging CAD through .CFF2 file format. Other file formats for importation from graphics R.I.P available.



## CONTOUR CUTTING

Adds crop marks over your print with a script for Adobe Illustrator and a Macro for CorelDraw, recognizes different plotting process through predefined color strokes and allows new pairing when needed, a colors swatch is also available for both graphic software.



## DETECTING CROP MARKS

Reads crop mark of multiple sizes and shapes, including white marks on dark materials. Manages single sheet, multiple poses, or large print with multiple crop marks, as well as layers and groups to optimize cutting workflow.



## PROTECTING YOUR BUSSINESS

Stores your machine configuration on our Cloud making easier a configuration restore and prevents from losing data.



## REASSURING

Guarantees free updates\* on V-Studio from Valiani website so that all users could always benefit of the latest features.



## MANAGING MATERIALS DATABASE

Optimizes the software usage by storing all your materials details including their cutting parameters, relevant tools and blades, cutters or creasers.



## UNIVERSAL COMPATIBILITY

If English is not your first language, V-Studio is available in 10 more languages which includes Italian, French, Spanish, Japanese, Chinese, Russian, Flemish, German and Korean.

\*Latest software might not be compatible with oldest hardware, please contact customer support before proceeding.



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- Fully compatible with Adobe Illustrator and Corel Draw.
- Cutting process through colors matching.
- QR/BarCode File Import.
- Integrated with most of Packaging CAD.
- Capable to handle most common vector file formats (.SVG, .PLT and .PDF).
- VXML file format compatibility for both Output and input.
- Available for Windows 11, 10, 8 and 7.
- Translated into 10 languages.
- Optimize cutting path to reduce working time.
- Option to cut only selected objects.
- Capable to import 2D project from most of CAD software through .DXF file format.



# M3 AND M3 ART

## EVERYTHING YOU NEED TO REALIZE PACKAGING AND POP / POS DISPLAYS

M3 and M3 Art software are the perfect way to start producing boxes and POP/POS Display. Using their large parametric library, that includes models for folding carton, corrugated board and rigid honeycomb board, you have virtually endless possibilities.

**m3** is a complete library of parametric models and designs, specially designed for Valiani cutting machines. M3 is structured to give the possibility to modify, resize and cut boxes, displays and other 3D objects made with cardboard and many packaging materials.

**m3 art** is a combination of features that allows graphic designers the flexibility to work directly in Adobe Illustrator using file boxes or POP / POS displays and benefiting from their parameterization. Native M3 files can be opened in Illustrator without conversion and can be processed within the same work environment. Focusing on the visual aspect of the design process, M3 Art offers intuitive 3D prototyping and realistic visualization of the different types of material, printing and finishing. This integration allows graphic and CAD software to complement each other by increasing productivity without requiring any effort.



For more information scan the QR code or visit our website at [www.valiani.com](http://www.valiani.com)

# m3



### M3 Library of Packaging Designs

The M3 Library of resizable packaging standards comes with approx. **600** parametric designs for folding carton, corrugated board, grey board and PVC. From Version 2023, M3 includes **50** templates for archival storage and conservation boxes.

- A parametric library available both in millimeters and inches.
- Integrated Index file with sections for different materials.
- Support of the ECMA and FEFCO standard designs.
- Resizing and automatic structural modification by parameter editing.







# m3 art

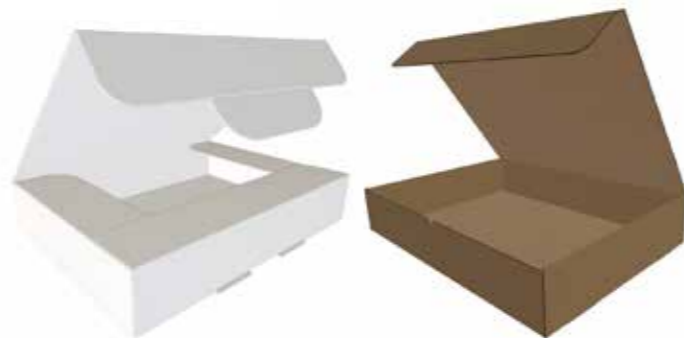
## M3 Art Library of packaging design

The **M3 Art** Library of resizable packaging standards has accumulated around **2.300** parametric designs for folding carton corrugated board, grey board or luxury boxes, rigid honeycomb board and PVC.

Together with the **200** patterns of displays, the user has over than **2500** available templates.

The full ECMA and FEFCO codes have been parametrized and included in the Library among many others.

A parametric Library available both in millimeters and inches.

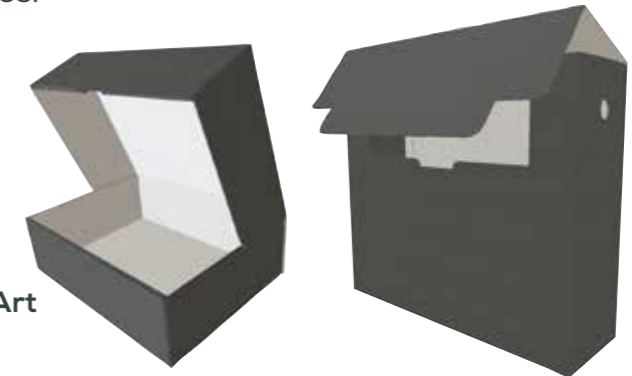


## Archival Storage and Conservation Boxes

The **M3 and M3 Art** Library now also includes **50** templates for archival storage and conservation boxes.

- Clam-shell trays
- Storage boxes
- Envelopes
- Multi-Side wraps
- Slips cases

\*Available for both, M3 and M3 Art

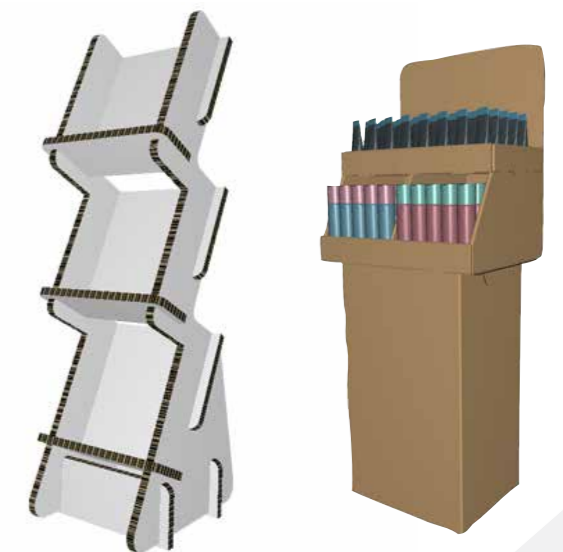


## M3 Art Library of Displays

The **M3 Art** Library of displays and multipart structures includes around **200** resizable designs for corrugated board and rigid board materials. The 2D and 3D designs can be opened in the M3 ART CAD software or directly in Adobe Illustrator, where graphic designers can create the graphics and generate production files with high resolution images.

- POP/POS structures come as free-standing displays, counter displays, walls, stands, furniture.
- Design recalculation takes place automatically after material thickness is changed. This minimizes design time and eliminates repetition-induced errors.
- Multiple-material structures are featured.
- 3D folding sequences are integrated into display library designs for complete presentations. They can also be used for assembly instructions.

\*Only M3 Art



## M3 ART Cardboard Furniture

M3 Art offers some unique templates for creating eco-friendly furniture, totally customizable in shape and finishes.



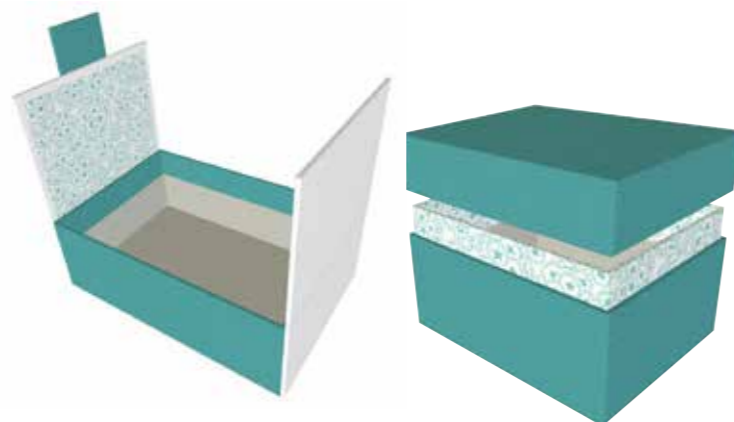
\*Only M3 Art

## M3 ART Library of Luxury Boxes

M3 form version.9 supports grey board designs also known as **luxury boxes**. Luxury boxes consist of packaging materials that have been developed and tailored to give the goods a distinctive touch. These boxes are usually made with rigid material such as grey board and wrapped by a card of excellent finish to make them more appealing to customers, while still serving their purpose.

Some examples of:

- Body and Lid.
- Trays with Hinged Lid.
- Magnetic Closure boxes.
- Shoulder and Neck Boxes.
- Slipcase.



\*Only M3 Art

## 3D Presenter

The 3D module allows realistic visualization and proofing of the 2D structure of the artwork of packaging and **POP/POS displays**. At every step of the creation process, the designer can see the changes apply in 3D and share the prototype with colleagues and clients.

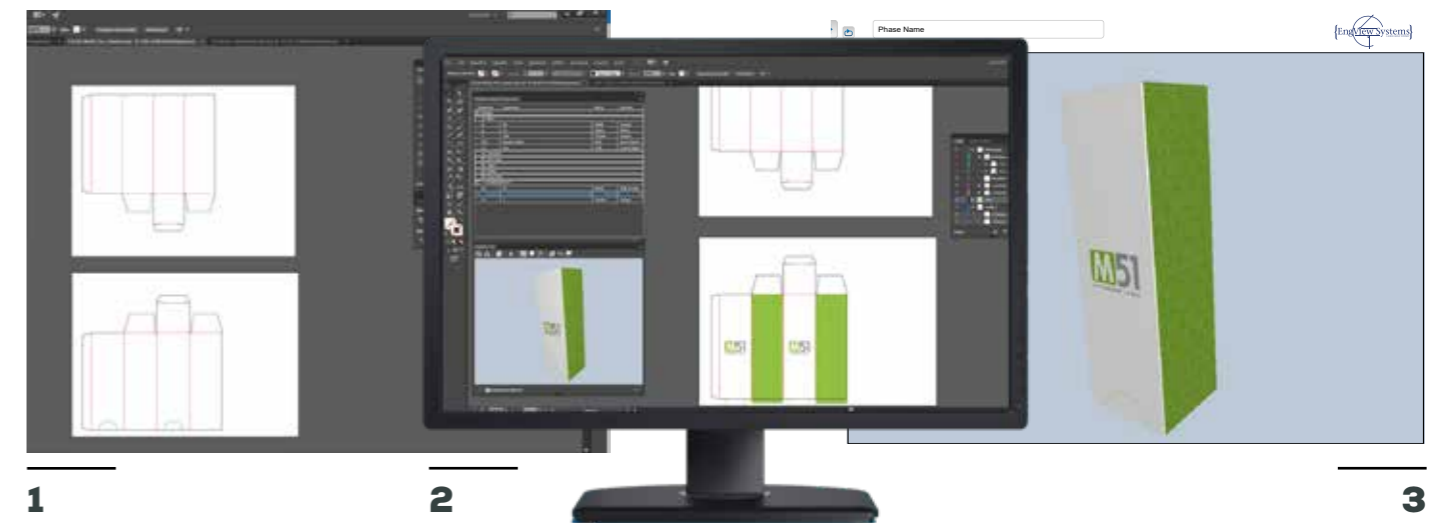
- Definition of the folding sequence, navigation and animation of the 3D model.
- Insertion of 3D parts for assembling multiple POP/POS displays and structures.
- 3D dimensioning.
- Realistic visualization of materials with their folded and cut edges.
- Generation of 3D animated PDF for easy sharing with customers.

\*Only M3 Art

## Integration with Adobe Illustrator

M3 ART packaging software is integrated with Adobe Illustrator\*. The **plug-in** lets graphic designers easily apply artwork onto structural drawings. Verifying the results in the 3D environment happens quickly and without efforts.

\*Only M3 Art



### LEGEND

1. Template can be edited and resized directly in Adobe Illustrator.
2. Graphics can be applied directly on AI and visualize through the 3D presenter.
3. A 3D animated PDF can be generated to share the final project.



# OPTICROP

## GIVING SHAPE TO PRINTS

### ADVANCED CROP MARK DETECTION SYSTEM

OptiCrop is the software that allows you to manage contour cut on pre-printed images and create endless application. Used in conjunction with a high-resolution camera, it allows you to identify crop marks, realign graphics to match them and adjust the print skew.



#### CROP MARK DETECTION

Once the camera is positioned on the first printing 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.



#### PRINT ALIGNMENT

Through the crop mark detection Opticrop is capable to straighten the cutting trace and compensate any print distortion. This operation can be performed on a single sheet or even on multiple sheets. Number of crop mark determines the precision of contour cutting. 4-crops ensure maximum precision for any kind of distortion, whereas 2 -3 crops can be faster but with limited compensation.



#### VECTOR FILE IMPORT

OptiCrop works with .SVG (Adobe Illustrator or Corel Draw), .VXML, and PDF files.

OptiCrop works with vector files, it is possible to set-up plotting process using different pen colors on your artwork. It is also possible to use group function and layers to optimize work flow. This feature also recognizes different colors and allows the user to set-up halftone colors.



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- Straightening cutting process available up to +/- 44°.
- QRcode import - QRcode can be used to identify the job and automatically load it. QR code can be acquired directly by the built-in camera.
- Barcode import - Barcode can be used to import file.
- Squared and rounded shape crop marks, whether black or even white on a dark background.
- Customizable registration crop mark sizes.
- Mirror Mode for Reverse side processing.
- Quick crop mark detection time.
- Print distortion compensation.