

ENG

V Series

DIGITAL FLATBED
CUTTING MACHINES

Summa / valiani
your perfect cut



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your perfect cut

CUTTING EXCELLENCE SINCE 1974

The V Series cutting machines are specifically designed to meet the **highest performance standards** for businesses across the Sign & Display, Packaging, and Printing industries.

The V Series carries forward the legacy of Valiani, whose precision cutting has earned global acclaim since 1974. They are trusted by renowned institutions like the Vatican Museums, the Louvre, and the European Parliament.

Today, combined with Summa's **industry-leading expertise and commitment to innovation**, the V Series offers even greater possibilities.

THE NUMBERS OF OUR SUCCESS



We export to more than

+90
COUNTRIES



Carried out over

+5.000
INSTALLATIONS

Engineered for Excellence & Durability

The production of the V Series follows a lean manufacturing approach optimized to create maximum value for our customers. The result is cutting equipment engineered for durability and long-lasting performance, which is why most V Series models are supported by a 5-year warranty.



WE ARE THE ONLY ONES TO OFFER THESE CONDITIONS!

Get peace of mind with a 5-year V Series Limited Manufacturers' Warranty

* Ask your local dealer for warranty details.



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CUTTING-EDGE SOLUTIONS DRIVE BUSINESSES TO SUCCEED

We are dedicated to delivering high-performance machinery that combines precision, reliability, and innovation.

This dedication is guided by core values that define every aspect of our company:

- **Reliability & Durability:** Flawlessly performing products designed for lasting value and dependability
- **Innovation & Progress:** Proactive development of cutting-edge solutions that meet evolving market needs.
- **Integrity & Accountability:** Honest, customer-focused service built on trust and respect.
- **Collaboration & Expertise:** Teams dedicated to delivering meaningful results through knowledge, skill, and professionalism.



**WATCH THE
COMPANY VIDEO**

MATERIALS AND APPLICATIONS

One of the key features of our digital machines is their versatility. They can be used for cutting a wide range of materials, with different thicknesses, always guaranteeing maximum precision and impeccable quality both on prototypes and small-medium cutting runs.



COUNTLESS MATERIALS, ENDLESS APPLICATIONS



Folding carton / Corrugated cardboard



Honeycomb panels / Re-board



Rigid grey greyboard



PVC / FOREX / Foam board



Polycarbonate panels / Laminated sheets



Polymers & rubber blankets / Offset varnishing coating plates



Reflective films / Stickers and decals / Vinyl



Magnet sheets



Carbon Fiber



Moquette / Floor mats



Leather and fabrics



Paper patterns



Medium-density fiberboard



Plexiglass and acrylic



Aluminum composite / Dibond



INDUSTRIES

Suitable for Different Industries and Businesses

Our cutting machines feature amazing flexibility and work equally well for many different industries. They can be used for package prototyping for short and medium run, digital and offset printing, architectural models, and picture framing.

THE RIGHT SOLUTION FOR EVERY CUTTING NEED.

CHOOSE THE IDEAL CUTTING MACHINE FOR YOUR INDUSTRY



Graphic design studios



Offset printing press



Packaging / Box makers



Architectural studios



Graphic industries



Fashion and apparel



Die cutting makers



Museums and galleries



Digital printing / Copy shops



Framers and photo studios

Invicta

V Series

PEERLESS PRODUCTIVITY, PERFORMANCE AND PRICE

The Invicta is a very compact yet powerful machine fitting every working environment. With its unique features to cut from soft to rigid media and its extreme versatility, the operator can virtually make unlimited projects up to 20 mm thick. The Invicta guarantees a very high degree of precision, matched with an equally high cutting and creasing quality.

The Invicta is also highly demanded in the fashion industry, as it is capable of cutting and drawing on paper patterns. It's extremely recommended for a lot of applications, from motorbike decals to road signs, from ejection rubber to offset coating blankets.



ALL YOU NEED TO START A BUSINESS

With multiple optional cutting tools, as well as creasing and drawing tools, The Invicta is ideally suited for cutting a wide range of materials. Our proven mechanical design and easy-to-use software ensure a quick solution to time-consuming tasks.



COMPACT, VERSATILE AND AFFORDABLE

The Invicta comes in different sizes, all with a vacuum table and pneumatic clamping system; a camera for crop mark detection is also included in the machine bundle. The sturdy design of the machine allows it to cut precisely and efficiently almost any material precisely and efficiently.. A bunch of tools are available to personalize the configuration. **OptiCrop software is listed as an optional item.**



CHANGE THE TOOLS IN 8 SECONDS

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

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**SINGLE
INTERCHANGEABLE
HEAD**

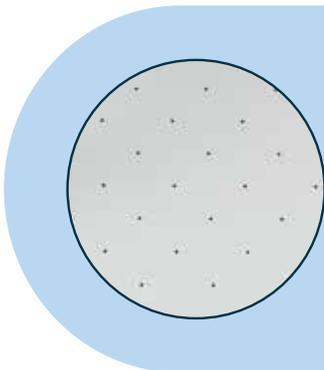
**5 YEAR*
WARRANTY**

MAIN APPLICATIONS

- Die-cutting of digital and offset prints
- Packaging prototypes and sample making
- Photo albums
- Street and business signage
- Offset varnishing plates and blankets
- Architectural and plastic models
- Reflective films / Stickers and decals / Vinyl
- Motorbike Decals
- Membrane keyboards
- Patterns for shoes and fashion industry

MATERIALS

- Folding carton
- Corrugated cardboard
- Vinyl and magnet sheets
- Reflective films sheets
- PVC/FOREX/Foam board
- Laminated sheets
- Polymers and rubber
- Leather and fabrics
- Paper patterns
- Honeycomb cardboard



INVICTA

is equipped with a vacuum table, which is divided into multiple zones to optimize the suction when the media is smaller than the working area. The Invicta comes in different sizes, all with a high-res camera for print crop mark detection software*.

*Crop mark detection software is optional

SAVE
SPACE WITH
Invicta 80
it is so compact that it fits
into any workspace
and adapts to most
popular digital
printing formats



PRECISION, EASE OF USE, AND ENDLESS CREATIVE POSSIBILITIES

The Invicta can be customized into different configurations depending on the tools chosen and can cut materials with thicknesses up to **5 mm (3/16")** with a Tangential Cutting Tool or up to **20 mm (3/4")** with an oscillating knife. The Oscillating cutting knife will bring you to the next level. It cuts through many different materials from paper to rigid material or from fabric to leather.

FEATURES

- **Single-head** system capable of a tool changeover in **less than 10 seconds** without any mechanical adjustment.
- The Invicta can be equipped with Opticrop Software for crop mark detection and print distortion adjustment.
- High versatility die-cutting solution at an affordable price.

MULTI-POSITION STAND (OPTIONAL)

The suction works better when the machine is in the flat position.



FLAT



ANGLED

Dimensions	FLAT		ANGLED		
	Mod.	V0812	V1015	V0812	V1015
W.		1780 mm (70")	2080 mm (81.8")	1780 mm (70")	2080 mm (81.8")
H.		1360 mm (53.5")	1460 mm (57.4")	1394 mm (54.8")	1594 mm (62.7")
D.		1540 mm (60.6")	1790 mm (70.4")	1100 mm (43.3")	1100 mm (43.3")



TOOLS AVAILABLE

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

- Multifunctional Tool Holder
- Versa-Tool Holder
- Fixed Tool Holder



MTH



FTH



VTH



TECHNICAL DATA

Invicta Models	V0806	V0812	V1015	NEW V1612
Cutting Size	812 x 610 mm (32" x 24")	812 x 1219 mm (32" x 48")	1016 x 1524 mm (40" x 60")	1550 x 1220 (61" x 48")
Width	1450 mm (57")	1920 mm (75.5")	2080 mm (81.9")	2110 mm (83")
Depth	1390 mm (54.7")	1390 mm (54.7")	1590 mm (62.6")	1920 mm (75.6")
Height	1250 mm (49.2")	1250 mm (49.2")	1250 mm (49.2")	1250 mm (49.2")
Weight	172 kg (379.1 lbs)	228 kg (502.65 lbs)	265 kg (584.2 lbs)	329 kg (725 lbs)
Max Cutting Speed	Up to 400 mm/s (16"/sec)	Up to 400 mm/s (16"/sec)	Up to 400 mm/s (16"/sec)	Up to 910 mm/s (26.3"/sec)
Acceleration	Up to 0.5 m/sec ² (19.7"/sec ²)	Up to 0.5 m/sec ² (19.7"/sec ²)	Up to 0.5 m/sec ² (19.7"/sec ²)	Up to 2 m/sec ² (78.7"/sec ²)
Power Requirements	Single Phase - 230V 50Hz 9.6A - 2,2 KVA Single Phase - 208/230V 60Hz 12A - 2,5 KVA			
Air Requirements	6 bar (3,5 CFM) 8 bar (5,3 CFM) with Oscillating Tool			
File Format	SVG, .PLT, .DXF, .CF2, .HPGL, .XML, .PDF			
Tool Change	Manual			
Tools Available	90°, 45°, 40°, Embossing, Creasing, Drawing, Oscillating Tool and Kiss Cut tool			
Tool Holders	1 + 1F			
Connectivity	Ethernet or USB			
Data Buffer	External PC*			
Media Holding System	Vacuum Bed and Pneumatic Clamping System			
Fixed Tool	Pen (Optional)			
Cutting Capacity	0.1 > 5 mm (0.20") with Tangential Cutting Tool 0.1 < 20 mm (0.79") with Oscillating Tool			
Repeatability	≤0.1 mm			
Supported OS	Windows 7, 10, 11			
CropMarks Rec.	Camera (Included) + Software (Optional)			



Magnet sheet



Folding carton

*air compressor and PC not included

Optima

V Series

DUAL-HEAD DIE-CUTTING MACHINE

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

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

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



SIZES MATTER

The Optima is available in multiple bed sizes.
Ideal to be combined with UV flatbed printers.



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.



CHANGE THE TOOLS IN 8 SECONDS

- High-quality and cutting precision for many materials
- Perfect price-quality ratio
- Low-cost maintenance

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TWO
INDEPENDENT
AND MODULAR
TOOL HOLDERS

5 YEAR*
WARRANTY

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

- Corrugated and folding cardboard
- Vinyl / Plastic / Adhesive sheets
- Diamond grade / Reflective sheets
- PVC and foam board
- Coating and rubber blankets
- Leather and fabrics



HIGH
PRECISION

OPTIMA

The Optima Series, like the Invicta and Integra, comes as standard with pneumatic fold-away clamps and a vacuum table. The clamping system, in addition to being an effective tool for securing the material, also determines the starting point of the cut. It's a great feature for non-printed materials such as coating plates for offset printing and other carton board.



FEATURES

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



TOOLS AVAILABLE

The 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



TECHNICAL DATA



Honeycomb board



Folding carton

Optima Models	NEW		
	V1208	V1225	V1612
Cutting Size	1230 x 850 mm (48.4" x 33.5")	1230 X 2450 mm (48.4" x 96.4")	1600 X 1230 mm (63" x 48.4")
Width	2000 mm (78.7")	2340 mm (73.3")	2230 mm (88")
Depth	1520 mm (59.8")	3690 mm (123.2")	1830 mm (72")
Height	1260 mm (49.6")	1260 mm (49.6")	1200 mm (47")
Weight	440 kg (970 lbs)	770 kg (1521 lbs)	550 kg (1212 lbs)
Max Cutting Speed	Up to 583 mm (23") / sec		
Acceleration	1 m/s (39.4 in/s)		
Power Requirements	Single phase 208/230 V 50/60Hz 2.1/2.4 KVA 11.5/14 A	Single phase 208/230 V 50/60Hz 2.1/2.4 KVA 11.5/14 A	Single phase 208/230 V 50/60Hz 2.1/2.4 KVA 11.5/14 A
Power Requirements extra pump	Single phase 208/230 V 50/60Hz 1.5/1.8 KVA 8.9/11 A		
Air Requirements	6 bar/90 psi (3.5 CFM) 8 bar/115 psi (5.3 CFM) with Oscillating Tool		
File Format	SVG, .PLT, .DXF, .CF2, .HPGL, .XML, .PDF		
Tool Change	Manual		
Tools Available	90°, 45°, 40°, Embossing, Creasing, Drawing, Oscillating Tool and Kiss Cut Tool		
Tool Holders	2 + 1F		
Connectivity	Ethernet or USB		
Data Buffer	External PC*		
Media Holding System	Vacuum Bed and Pneumatic Clamping System		
Fixed Tool	Pen (Optional)		
Cutting Capacity	0.1 > 5 mm (0.20") with Tangential Blade 0.1 < 20 mm (0.79") with Oscillating Blade		
Repeatability	≤0.1 mm		
Supported OS	Windows 7, 10, 11		
CropMarks Rec.	Camera (Included) + Software (Optional)		

*air compressor and PC not included

Optima

V Series V1630

EXTRA LARGE BED SIZE

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

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

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



FROM SMALL TO LARGE

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



SUPERIOR MANUFACTURING, QUALITY, AND RELIABILITY

All V Series 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.



CHANGE THE TOOLS IN 8 SECONDS

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

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

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TOOLS AVAILABLE

The 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



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
- Vinyl/Plastic/Adhesive sheets
- Motorbike decals
- Cardboard honeycomb furniture

TECHNICAL DATA

Optima XL	V1630
Cutting Size	1600 x 3050 mm (63"x120")
Width	2340 mm / 92.1"
Depth	3690 mm / 145.3"
Height	1260 mm / 49.6"
Weight	770 kg / 1522 lbs
Power Requirements	3 Phase - 400V 50Hz 13.5 A - 5.4 KVA 60Hz 16 A - 6.3 KVA
Power Requirements 208/240 V	6KVA - 25A

For the other specs see page 19

Integra

V Series

MILLING, CUTTING, AND CREASING IN ONE SINGLE SOLUTION

The Integra is a cutting system designed to process materials of greater consistency, typical of the sign and packaging industry. Configurable with a 1 kW router* and a wide range of cutting tools, the Integra guarantees high versatility and quality standards in processing the most common rigid supports used in the graphics industry.

Milling, engraving, cutting, and creasing in a precise way is now possible with the Integra, a qualitatively impeccable Italian product that is characterized by its robust shape, high precision, and reliability.



ROUTING TOOL

The **1 kW** router can handle the processing of the most common rigid supports used in the graphics and sign industries, including rigid PVC/Forex, acrylic/plexiglass, Dibond/aluminum composite panels, and soft & hard woods up to 13 mm (0.5") thick. The routing bit shank reaches a maximum of 8 mm (0.315") in diameter.



ONE DEVICE, PLENTY OF OPPORTUNITIES

The Integra is the answer to cut, kiss-cut, creasing, and routing demand as it is able to guarantee optimal performance on multiple materials with a single machine. The machine is equipped with a high-resolution camera that, in combination with the OptiCut software (optional), automatically detects the position of the registration marks for quick and precise contour cuts. The optimal securing of the material is ensured by a vacuum table divided into multiple zones, as well as the support of a **pneumatic fold-away clamping system**.



MORE AUTOMATION FOR GREATER PRODUCTIVITY AND HIGHER SPEED

The Integra's flatbed system makes use of a considerable degree of automation, with automatic adjustment of the cutting depth and full motorization of the two cutting heads. The Integra is fast in processing materials with quick tool setup in relation to the height of the panel to be processed.

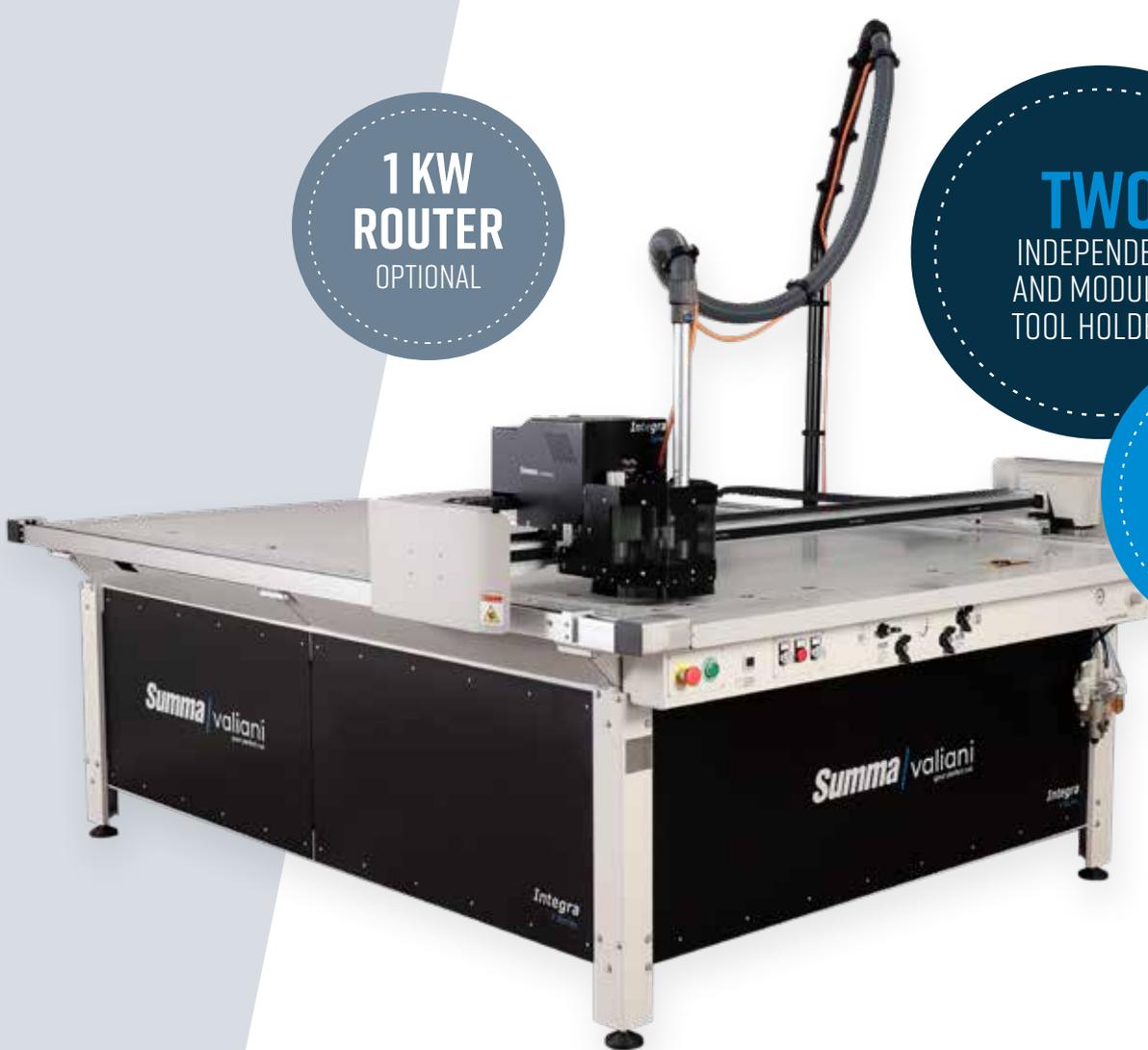
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**1 KW
ROUTER**
OPTIONAL

TWO
INDEPENDENT
AND MODULAR
TOOL HOLDERS

5 YEAR*
WARRANTY



MAIN APPLICATIONS

- Business and lettering signage
- Custom engraving plates
- Reflective films / Stickers and decals / Vinyl
- Displays for points of sale and purchase (POS/POP)
- Advertising banners
- Die-cutting of digital and offset prints
- Packaging

MATERIALS

- Plexiglass / Acrylic
- Dibond / Aluminum composite
- Plastic materials
- Foamboard
- Soft & hard woods / MDF
- Folding and corrugated cardboard



AUTOMATIC TOOL HEIGHT SENSOR

Fixed on the machine table, it makes it possible to automatically determine the tool height.

PRECISION, EASE OF USE, AND ENDLESS CREATIVE POSSIBILITIES

The Integra can be equipped with a **1 kW router** to mill more rigid substrates like PVC/Forex, acrylic/plexiglass, Dibond/aluminum composite panels, and soft & hard woods up to 13 mm (0.5") thick. While not being used, it can be put in the parking position on the right side of the machine.



5 YEAR*
WARRANTY

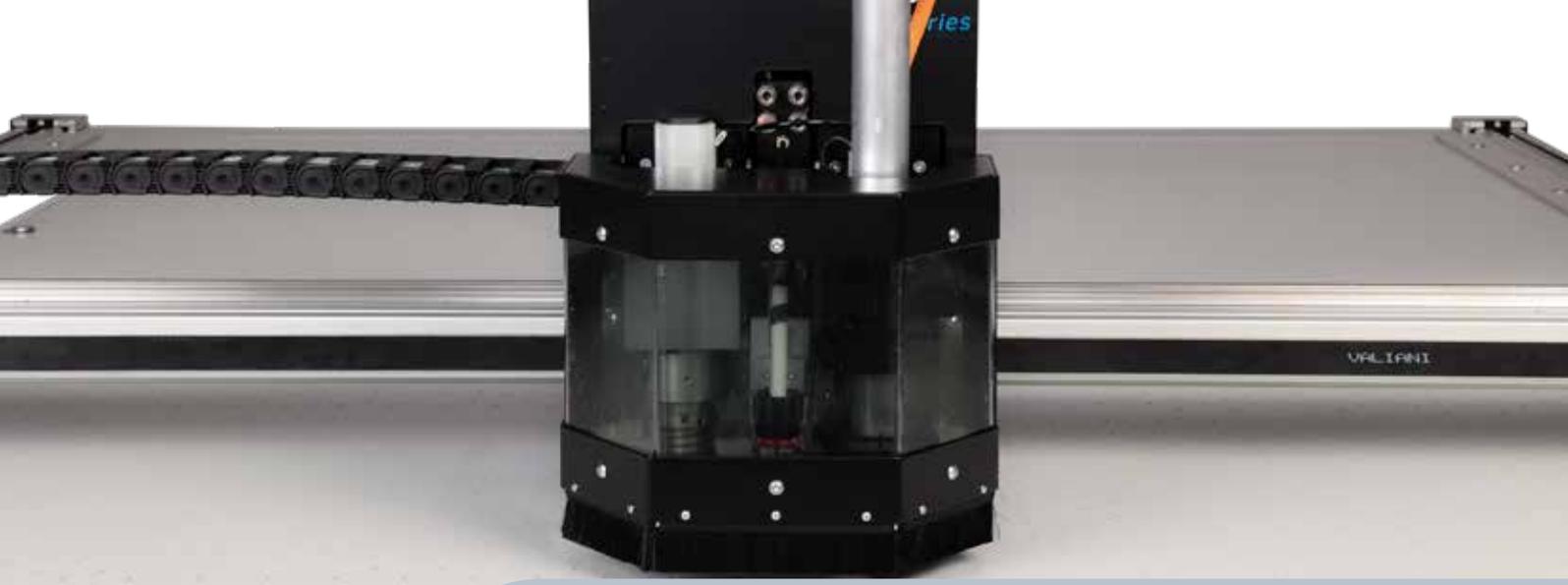


VACUUM EXTRACTOR* FOR RESIDUES

A powerful vacuum cleaner is highly recommended to remove the residues left by the router and to give shape to a precise product on all sides.

*optional

Suggested for Integra	Vacuum Extractor Technical Data
Power Requirements	Single Phase EU 220-240 V 50/60 Hz - 3.6 kVA - 16 A US 110-120 V 50/60 Hz - 2 kVA - 18 A



TOOLS AVAILABLE

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

- Multifunctional Tool Holder
- Versa-Tool Holder
- Fixed Tool Holder



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TECHNICAL DATA



Aluminum composite



Plexiglass/Acrylic

Integra Models	NEW			
	V1612	V1620	V1630	V1225
Cutting Size	1620 x 1230 mm (63.7" x 48.4")	1600 x 2030 mm (63" x 80")	1600 x 3030 mm (63" x 119.2")	1230 x 2500 mm (48.4" x 98.5")
Width	2225 mm (87.6")	2225 mm (97.6")	2480 mm (97.6")	2080 mm (81.9")
Depth	2045 mm (80.50")	2845 mm (112")	3700 mm (145.7")	3140 mm (123.6")
Height	1285 mm (50.60")	1285 mm (50.6")	1360 mm (53.5")	1360 mm (53.5")
Weight	540 kg (1190 lbs)	650 kg (1433 lbs)	1030 kg (2270 lbs)	795 kg (1752 lbs)
Max Cutting Speed	Up to 1000/s (39.3"/sec)			
Acceleration	2.0 m/s			
Power Requirements	3 Phase - 400 V 50/60 Hz			
Power Requirements 400 V 50/60 Hz	4.8/5.4 KVA 12/13.5 A	7.8/9 KVA 19.5/22 A	7.8/9 KVA 19.5/22 A	7.8/9 KVA 19.5/22 A
Power Requirements 208 / 240 V*	6KVA - 25A	10 kVA - 48 A	10 kVA - 48 A	10 kVA - 48 A
Air pressure Requirements	6 bar/90 psi (3.5 CFM) 8 bar/115 psi (5.3 CFM) with Oscillating Tool			
File Format	SVG, .PLT, .DXF, .CF2, .HPGL, .XML, .PDF			
Tool Change	Manual			
Tools Available	90°, 45°, 40°, Embossing, Creasing, Drawing, Oscillating Tool, Routing Tool 1 kW and Kiss Cut Tool			
Tool Holders	2 + 1F			
Connectivity	Ethernet + USB			
Data Buffer	External PC*			
Media Holding System	Vacuum Bed and Pneumatic Clamping System			
Fixed Tool	Pen (Optional)			
Cutting Capacity	0.1 > 5 mm (0.20") with Tangential Cutting Head 0.1 > 20 mm (0.78") with Oscillating Tool Head 0.1 > 13 mm (0.51") with Routing Tool			
Repeatability	≤0.1 mm			
Supported OS	Windows 7, 10, 11			
CropMarks Rec.	Camera (Included) + Software (Optional)			

*air compressor and PC not included

Omnia

V Series

AUTO FEED DIE-CUTTING MACHINE

The Omnia has been designed to **automatically feed** and contour-cut media to create exclusive packaging and unique labels. The operator can load different kinds of materials and thicknesses, with different sizes up to **75x80 cm / 29.5"x 31.5"** (Omnia 80) and up to **75x105 cm / 29.5"x 41.3"** (Omnia 100). The Omnia will feed media to the cutting table using a suction system that lifts the media from the feeder and transfers it onto the conveyor. The feeder holds up to 600 sheets (350 GSM), depending on the thickness.

Once in position, the camera will detect the crop marks and execute the cut of the uploaded file. The processed sheets drop into the catch tray. The software can control multiple workflow options, including cut files from various graphic design software, **QR Code mode**, and non-printed materials. The Omnia is perfect for die-cutting cardstock projects, including packaging, folders, business cards and kiss-cut labels. With its robust design, it can also process heavy materials such as corrugated cardboard, grey chipboard, plastic sheets, forex, and honeycomb board.



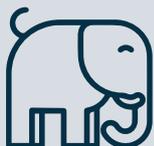
INCREASE PRODUCTION CAPACITY

The oversized feeder and the withdrawal system automatically pick up and load the materials onto the cutting machine. The automatic crop mark detection enables a hands-free cutting process. A **signal tower light** notifies the operator when the feeder has reached to the minimum quantity so it can be reloaded and allowing for visual interaction with the operator at a distance.



REALLY INDEPENDENT WORKFLOW

The Omnia is designed with the aim to make it work automatically all day long without the presence of an operator. Repeatability, reliability, and longevity are three factors that summarize the concept of quality emphasised by the Omnia.



SUPERIOR MANUFACTURING, QUALITY, AND RELIABILITY

All V Series machines are designed and developed with the aim to make them last forever.

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OMNIA 80

MEDIA SIZE UP TO
75 X 80 CM
(29.5" X 31.5")

MAIN APPLICATIONS

- Packaging / Luxury rigid boxes
- Stickers and labels
- Business cards
- Greeting cards and folders
- Leaflets
- Small POS displays
- Post press digital and offset finishing
- Photo albums

MATERIALS

- Folding carton and corrugated board
- Rigid cardstock
- Grey chipboard
- Coated paper
- Adhesives/Stickers/Vinyl
- PVC/FOREX and foam board



MAXIMUM CUTTING HEIGHT (2.7 MM (1/2"))

Feeding and cutting rigid media up to 2.7 mm (1/2") thick with Oscillating Tool*.

*Optional

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your perfect cut



DISTINGUISHING FEATURES FOR EVERY OMNIA MODEL

- Signal tower light to visually interact with the operator
- Parallel sheet feeding up to 37 x 105 cm (14.5" x 41.3")
- Conveyor with guide to prevent media from deviating from path
- Support for laptop / PC
- Oversized catch tray
- Oversized feeder - 200 mm (7.87") capacity
- Nonstop sheet media loading
- Safety mats

OMNIA 100

MEDIA SIZE UP TO

75 X 105 CM

(29.5" X 31.3")



SAVE TIME AND MONEY
CHANGE CONVEYOR BELT BY YOURSELF

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10 REASONS WHY

1. Continuous sheet media loading and processing
2. High-capacity Feeder (200 mm - 7.87")
3. Perfect cutting and creasing on most materials
4. No operator needed / Automatic workflow
5. Cutting up to 12.7 mm (1/2") rigid media
6. Kiss-Cut Tool available for vinyl and thin paper
7. Processing rigid media for luxury packaging
8. Camera and software to ensure precise graphic alignment
9. SRA3 or bigger Dual Sheet Feeding
10. 100% made in Italy



**SUPERIOR
MANUFACTURING,
QUALITY, AND
RELIABILITY**

AVG SPEED PER SHEET

is calculated between
25-40 seconds
when cutting a box
or a folder of medium
complexity



TOOLS AVAILABLE

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

- Multifunctional Tool Holder
- Versa-Tool Holder
- Fixed Tool Holder



MTH



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TECHNICAL DATA



Folding Carton



Displays

Omnia Models	V0708	V0710
Maximum Cutting Size	750 x 800 mm (29.5"x31.5")	750 x 1050 mm (29.5"x41.3")
Width	1790 mm (70")	1790 mm (70")
	2190 mm (86.2") w/ PC stand	2190 mm (86.2") w/ PC stand
Depth	3860 mm (152")	4370 mm (172")
Height	1320 mm (52")	1320 mm (52")
Weight	890 Kg (1962 lbs)	950 Kg (2094 lbs)
Minimum Media Size	297 x 210 mm (A4)	297 x 210 mm (A4)
	(11.6" x 8.2") - Portrait	(11.6" x 8.2") - Landscape
Maximum die-cutting size	740x790 mm (29.1"x31.1")	740x1040 mm (29"x41")
Width with safety mat	3280 mm (129,2")	
Max Cutting Speed	1167 mm (45.9") / sec	
Acceleration	4 m/s ² (157 in/s ²)	
Power Requirements	3 Phase – 400 V 50/60 Hz	
Power Requirements	4.9/5.2 KVA	5.6/6.1 KVA
400 V 50/60 Hz	12.3/13 A	14/15.3 A
Power Requirements 208/240 V	6KVA - 25A	6KVA - 25A
Air requirements	6 bar/90 psi (3.5 CFM)	
	8 bar/115 psi (5.3 CFM) with Oscillating Tool	
File Format	SVG, .PLT, .DXF, .CF2, .HPGL, .XML, .PDF	
Tool Change	Manual	
Tools Available	90°, 45°, 40°, Embossing, Creasing, Oscillating Tool and Kiss-Cut Tool	
Tool Holders	2 + (1F)	
Connectivity	Ethernet + USB	
Data Buffer	External PC	
Media Holding System	Vacuum	
Fixed Tool	Pen (Optional)	
Feeder Capacity	600 Sheets (300 gsm) - Height 200 mm (7,8")	
Cutting Capacity	0.1 > 5 mm (0,19") with Tangential Blade	
	0.1 > 12,7 mm (0,5") with Oscillating Blade	
Repeatability	≤0.1 mm (0,0039")	
Supported OS	Windows 7, 10, 11	

*air compressor and PC not included

Omnia Evo

V Series

THE EVOLUTION OF A LIMITLESS WORKFLOW

The Omnia EVO has been designed to automatically feed and contour-cut media to create exclusive packaging and unique labels. The operator can load different kinds of materials up to 75 x 105 cm / 29.5" x 41.3" with various thicknesses.

Omnia EVO will feed media to the cutting table using a suction system that lifts the materials from the feeder and drags them onto the conveyor, starting the automatic working process.



TOOLS – NO COMPROMISES

Choose your own combination: Cutting, creasing, V-cutting, kiss-cutting.



ENHANCED PERFORMANCE AND SPEED

High-capacity feeder: 200 mm (7.87") of 300 GSM cardstock.



CAMERA

Equipped with LED light to read print crop marks, even in low-light environments.



LINEAR MOTORS WITHOUT BELT

Enhanced performance, fast and incredibly precise.

FOR MORE INFORMATION SCAN THE QR CODE OR
VISIT OUR WEBSITE: WWW.SUMMA.COM





OMNIA EVO
 MEDIA SIZE UP TO
75 X 100 CM
 (29.5" X 40.5")

TOOLS AVAILABLE

The Omnia EVO can be equipped with all tools compatible with the following tool holders:

- Multifunctional Tool Holder
- Versa-Tool Holder
- Fixed Tool Holder



MTH



FTH



VTH



TECHNICAL DATA



Cardboard



Luxury packaging

Omnia EVO	V0710
Maximum Cutting Size	750 x 1050 mm (29.5" x 41.3")
Width	1790 mm (70.47") 2715 mm (106.9") w/ PC stand
Depth	4370 mm (172")
Height	1325 mm (52")
Weight	1030 kg (2270,7 lbs)
Minimum Media Size	210 x 297 mm (A4) – (8.2 x 11.6") Portrait
Maximum die-cutting size	740 x 1040 mm (29" x 40.5")
Width with safety mat	2190 mm (86.2")
Max Cutting Speed	1167 mm (46") / sec
Acceleration	9 m/s ² (354.33 in/s ²)
Power Requirements	3 Phase – 400 V 50/60 Hz
Power Requirements 400 V	8.4/8.85 KVA 21/22 A
Power Requirements 208/240 V	10KVA - 48A
Air requirements	6 bar/90 psi (3.5 CFM) 8 bar/115 psi (5.3 CFM) with Oscillating Tool
File Format	SVG, .PLT, .DXF, .CF2, .HPGL, .XML, .PDF
Tool Change	Manual
Tools Available	90°, 45°, 40°, Embossing, Creasing, Oscillating Tool and Kiss-Cut Tool
Tool Holders	2 + (1F)
Connectivity	Ethernet + USB
Data Buffer	External PC
Media Holding System	Vacuum
Fixed Tool	Pen (Optional)
Feeder Capacity	600 Sheets (300 GSM) - Height 200 mm (7.8")
Cutting Capacity	0.1 > 5 mm (0.19") with Tangential Blade 0.1 > 12.7 mm (0.5") with Oscillating Blade
Repeatability	≤0.1 mm
Supported OS	Windows 7, 10, 11

Tools and holders

MODULAR TOOLING SYSTEM

The combinations between tools and holders make V Series flatbed cutting machines the ideal solution for many applications and materials.



HOLDERS

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



TOOLS

The V Series has an array of tools that fit onto a multifunctional tool holder to enlarge the range of cutting processes available on some models such as the Oscillating Knife, V-Cut Tool, Kiss-Cut Tool, and many others. V Series tools offer users both **Modularity and Quick-Change capability**. This versatility enhances machine capacity, providing tangible results and measurable return on investment (ROI).



INTERCHANGEABLE HEADS* (TO BE COMBINED WITH VERSATOOL)

The V Series has also a range of interchangeable heads* for their entire line. These heads are secured and positioned on the cutting head assembly using several small, yet powerful magnets, which enable faster locking and make hardware unnecessary. A dedicated wedge-fork is supplied with the heads, which makes the head change easy, safe, and fast. Each tool head is color-coded to simplify recognition at a glance.

*INTERNATIONAL PATENT

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LEGEND

 MTH Multifunctional Tool Holder	 VTH Versa-Tool Tool Holder	 FTH Fixed Tool Holder	TOOL HOLDERS
 IN Invicta	 OP Optima	 IG Integra	



HOLDERS



MULTIFUNCTIONAL TOOL HOLDER (MTH)



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 allows for the use of countless tools on the machine regardless of the number of tool holder modules. The Multifunctional Tool Holder comes standard with a quick and easy manual adjustment to set the blade depth or creasing pressure (automatic adjustment on the Integra). The holder can be operated in pressure or position mode.

- **Quick tool change and no calibration needed**
- **High precision and quick adjustment setup**
- **Long life and heavy-duty equipment**



VERSATOOL HOLDER (VTH)



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

- **Quick tool change and no calibration needed**
- **Versatility and reliability**
- **Limitless expandability / No obsolescence**



FIXED TOOL HOLDER (FTH)

IN OP IG OM

On V Series machines, it is possible to mount a fixed pen tool holder in addition to the standard ones provided. This tool holder supports **every type of pen, pencil, and felt-tip pen**, designed to draw and write on various materials including cardboard and paper patterns for the apparel market.



TOOLS



MATERIALS



POWERFUL PNEUMATIC OSCILLATING KNIFE (PPO)



For thick honeycomb cardboard, composite foam, coroplast, forex/PVC, and many more materials. The Oscillating Cutting Tool is a pneumatically powered tool, ideal for cutting heavy 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 makes 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**

*Depending on material rigidity



Honeycomb board



Pvc/Forex/Foam board



Coroplast board



Rubber gaskets



MATERIALS

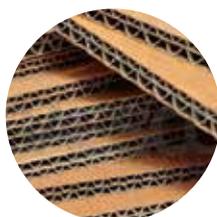


HIGH-SPEED PNEUMATIC OSCILLATING KNIFE (HPO)



Ideal for textile, foam, polyurethane, 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 of processing softer and thinner materials at **higher speed**, reaching excellent quality levels at a silent pace.

- **High performance**
- **8 mm stroke/14.000 Bpm**
- **20 mm (3/4") cutting capacity on very soft materials like foam board**
- **Compatible with MTH**



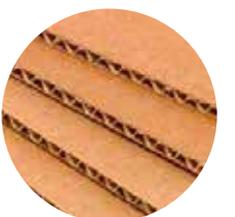
Multi-flute corrugated board



Textile and leather



Foam board



Micro corrugated board



MULTIPURPOSE TANGENTIAL KNIFE (MT)



For folding carton and corrugated board, vinyl, thin plastics, and a lot more materials. The Tangential Cutting Tool is a precise multi-depth tool, capable of handling material up to 5 mm (3/16") thick. The tangential knife allows cutting at full speed, delivering very high-quality finishes. The tool is standard included as standard on all machines, except the Invicta (optional).

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

MATERIALS



Folding carton and paperboard



Micro corrugated board



Crystal adhesives for motorbike decals



Grey chipboard



KISS-CUT TANGENTIAL KNIFE (KCT)



The Kiss-Cut Tool is a tool designed to peel the top-layer of thinner materials. Thanks to its mechanically controlled blade, 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 applications, from vinyl stickers to labels and decals.

- **Type: Spring-controlled pressure**
- **Control: Manual, rotating disc on tool holder**
- **Pressure: Springs up to 120 g, 650 g, and 1800 g**

MATERIALS



Paper <200gr



Adhesive vinyl sandblast



Adhesive PVC banner



Protective film



Ø 16 - Ø 32 mm



UNIVERSAL CREASING TOOL (UCT)



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

- Adjustable creasing pressure
- Clean and precise creases
- Easy to mount wheels
- Compatible with MTH

MATERIALS



Folding carton and paperboard



Micro corrugated Board



Polypropylene Honeycomb



Archival corrugated Board



Ø 60 mm



MULTI-WALL CREASING TOOL (MCT)



The 4 Multi-Flute Creasing Wheels are designed to handle double and triple flute thick corrugated board. They work in combination with a special creasing tool to be purchased separately.* The larger diameter of the creasers allows for the production of fine creases, both with and against the corrugation. The Multi-Wall Creasing Wheels can be easily changed thanks to the magnetic holding system.

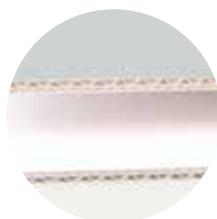
- Easy to mount wheels
- Clean creases on double and triple wall corrugated board
- Adjustable creasing pressure

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

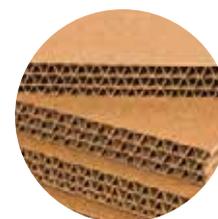
MATERIALS



Single-wall corrugated board



Double-wall archival cardboard



Triple-wall corrugated board



Polypropylene honeycomb coroplast



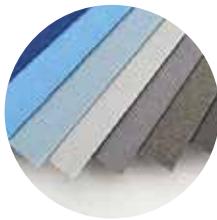
PLOT DRAWING TOOL (PDT)



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 uses a standard pen cartridge ball point. This tool is also ideal to label materials, such as cardstock with text, marks, or symbols for the apparel industry.

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

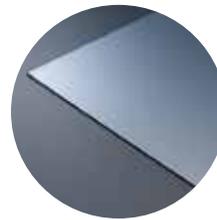
MATERIALS



Folding cardstock



Any cardstock for apparel patterns



Polycarbonate sheet



Polyester-based 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 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). The thickness capacity ranges between 6 mm (0.23") and 16 mm (0.62").

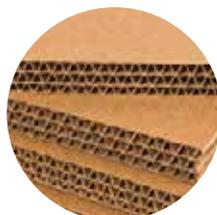
- **Type: Spring-controlled pressure**
- **Control: Manual, rotating disc on tool holder**
- **Pressure: Springs up to 120 g, 650 g and 1800 g**

*Available only on the Optima and Integra models

MATERIALS



Honeycomb board



Triple-wall corrugated board



Foam board



Light coroplast



IN



ROUTING TOOL (RT)



The **1 kW** router can process most common rigid supports used in the graphics and sign industries, including rigid PVC/Forex, acrylic/plexiglass, Dibond/aluminum composite panels, and soft & hard woods up to 13 mm (0.5"). It allows for a perfect finishing of printed materials and much more. The routing bit shank reaches a maximum of 8 mm (0.315") in diameter.

- **Speed range 5000 - 60000 rpm**
- **Routing bit tool change: manual wrench**

MATERIALS



Aluminum composite



Soft and hard woods/MDF



Plexiglass/Acrylic sheets



Pvc/Forex sheets

INTERCHANGEABLE HEADS*

To be combined with VersaTool



* PATENT



WHITE 90° - STRAIGHT CUT AND HALF-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"), as well as to perform a half-cut. It comes standard with one pressure roller and a teflon foot. It is generally used to cut grey chipboard to create lids and slipcases for luxury packaging and is extremely effective on offset rubber and varnish blankets.

- **Multi-purpose cutting head**
- **Half-cut tool on grey chipboard**
- **Clean & precise cutting of varnish and rubber blankets**
- **Compatible with VersaTool Holder**

MATERIALS



Grey chipboard sheets



Luxury packaging board



Varnishing plates & rubber blankets



Polyester-based varnishing plates



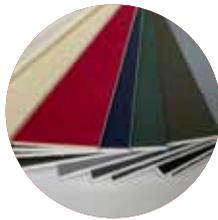
GREEN 40° - BEVEL CUT (IHG)



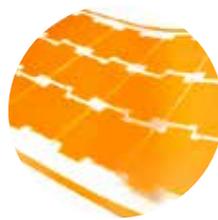
The Green 40° head produces a bevel cut at 40° angle, ideal for both cutting small shapes and for traditional bevel cutting. It cuts up to 2.3 mm (0.09"). It's recommended for mat board and polyester-based offset varnishing plates.

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

MATERIALS



Standard mat board up to 2.3mm (6ply)



Polyester-based varnishing plates



Suede matboard up to 2.3mm (6ply)



Archival corrugated Board



BLUE 45° - BEVEL CUT (IHB)



The Blue 45° head produces a bevel cut at a 45° angle. This head can cut up to **5 mm (3/16")** thickness and performs V-Cutting as well. This application is highly demanded in the field of luxury packaging, more precisely to create rigid boxes. Excellent results are also obtained while cutting grey chipboard and foam board.

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

MATERIALS



Standard matboard



Foam board up to 5 mm (3/16")



Grey chip board up to 5 mm (3/16")



Luxury packaging board



PURPLE - EMBOSSING / DEBOSSING (IHP)



The Embossing/Debossing Purple head includes 4 different tip types and it is used to create thin 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 characters applications
- Compatible with VersaTool Holder

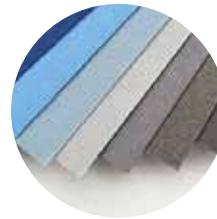
MATERIALS



Standard mat board



Coated and laminated paper



Folding cardstock



Braille characters



GREY 90° - STRAIGHT CUT AND HALF-CUT (IHW)



The Grey 90° head has been developed to cut a wide range of materials up to a thickness of 6.3 mm (1/4"), as well as to perform half-cut. It comes as standard with one pressure roller and a teflon foot. It is generally used to cut grey chip board to create lids and slipcases for luxury packaging and extremely effective on offset rubber and varnish blankets.

- Multi-purpose cutting head
- Half-cut tool on grey chip board
- Clean & precise cutting of varnish and rubber blankets
- Compatible with VersaTool Holder

MATERIALS



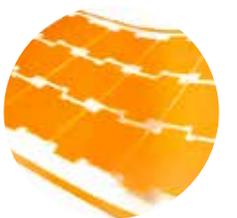
Grey chipboard sheets



Luxury packaging board



Varnishing plates & rubber blankets



Polyester-based varnishing plates



BROWN - CREASING/SCORING (IHBR)



The Creasing 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 cardstock, flute board, corrugated board and polypropylene. It has the same function of Universal Creasing Tool (UCT).

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

MATERIALS



Folding carton and paperboard



Micro corrugated board



Polypropylene honeycomb



Archival corrugated board

WHEELS

BROWN - CREASING WHEELS (PART OF IHBR)



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



2 Blade tool: Metal round-knife 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)



It is possible to mount a fixed tool on every machine as a third or second optional tool depending on the machine model. The Multipurpose Drawing tool is very user-friendly since it holds 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



Varnishing plates & rubber blankets



Any cardstock for apparel patterns



Micro and double corrugated board



OUR PEN CARTRIDGES CAN FIT ALMOST ANY PEN AVAILABLE ON THE MARKET

PEN CARTRIDGES



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

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

You can choose among different types of software and applications to make your V Series perform at its best.

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, which includes models for folding carton, corrugated board, honeycomb board, and rigid grey board, you have virtually endless possibilities. (optional)



OPTICROP

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



V-STUDIO

V-Studio is the V Series 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 to produce customized packaging models* and to perform contour cuts** on pre-printed materials. With the intuitive user interface and powerful toolset, anyone can cut a job like a professional after a short training. (included)



GOPRODUCE

The user-friendly GoProduce Flatbed Edition software for the F and V Series facilitates the operator's life by handling jobs in a straightforward and easy way. The modern interface with improved navigation enables you to find and operate functions quickly and intuitively.



*Packaging models are within the M3 or M3 Art software.
**Contour cut can be performed with Opticrop Software.

V-STUDIO

THE SIMPLEST WAY TO GET THE BEST OUT OF YOUR V SERIES



FULL CONTROL OVER YOUR V SERIES

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



SUPPORTING MOST COMMON GRAPHIC SOFTWARE

Works perfectly with Adobe Illustrator or CorelDRAW 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 most popular graphics R.I.P software available.



CONTOUR CUTTING

Easy adds crop marks to your print with a script for Adobe Illustrator and a macro for CorelDRAW. It recognizes different plotting processes through predefined color strokes and allows new pairings when needed. A colors swatch is also available for both graphic software programs.



DETECTING CROP MARKS IN COMBINATION WITH OPTICROP

Reads crop marks 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 for easier restoration and prevents data loss.



FREE UPDATES

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



MANAGING THE MATERIAL DATABASE

Optimizes the software usage by storing all your material details, including your 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 including Italian, French, Spanish, Japanese, Chinese, Russian, Flemish, German, and Korean.

*Latest software might not be compatible with very old Valiani machines, please contact customer support before proceeding.



Supported
by Windows
Operating
System.

FEATURES

- Fully **compatible** with Adobe Illustrator and CorelDRAW.
- Cutting process through **color matching**.
- QR/BarCode File Import.
- Integrated with most of Packaging CAD and R.I.P. Software.
- Can 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.
- Optimizes cutting path to **reduce working time**.
- Option to cut only selected objects.
- Can import 2D project from most of CAD software through .DXF file format.

FOR MORE INFORMATION SCAN THE QR CODE OR
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M3 & M3Art

**EVERYTHING YOU NEED TO ACHIEVE
PACKAGING AND POP/POS DISPLAYS**

M3* and M3 Art* software are the perfect ways to start producing in-house boxes and POP/POS Displays. Using their large parametric library, which includes models for folding carton, corrugated board, grey chipboard and rigid honeycomb board, you have virtually endless possibilities. It is a valuable support for any graphics department.

*Optional



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

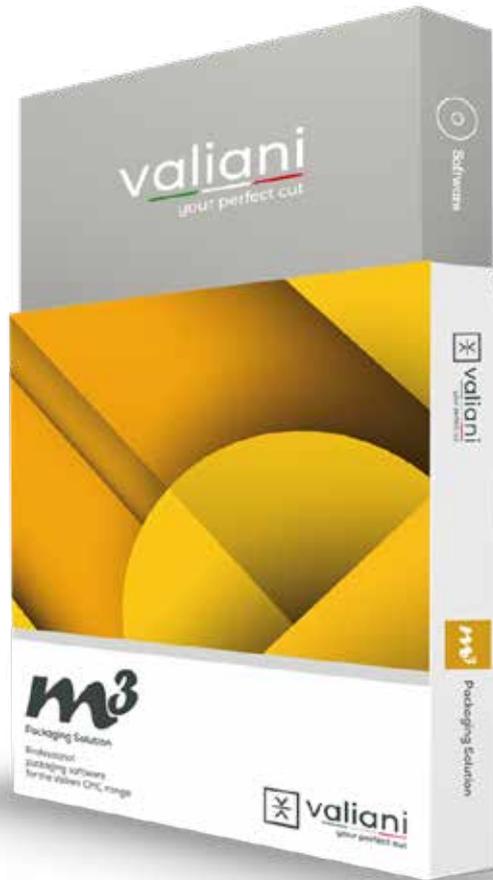


is a combination of features that gives graphic designers the flexibility to work directly in Adobe Illustrator using file boxes or POP / POS displays, benefiting from their parameterization.

Native M3 files can be opened in Adobe 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.

M3 Art is available either in Windows or IOS version.

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 chipboard and PVC. From Version 2023 onwards, M3 includes **50 templates** for archival storage and conservation boxes.

FEATURES

- 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.

FOR MORE INFORMATION SCAN THE QR CODE OR
VISIT OUR WEBSITE: WWW.SUMMA.COM

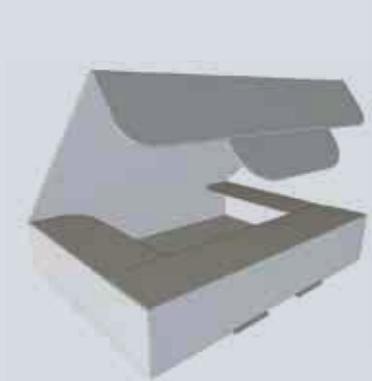




M3 ART LIBRARY OF PACKAGING DESIGN

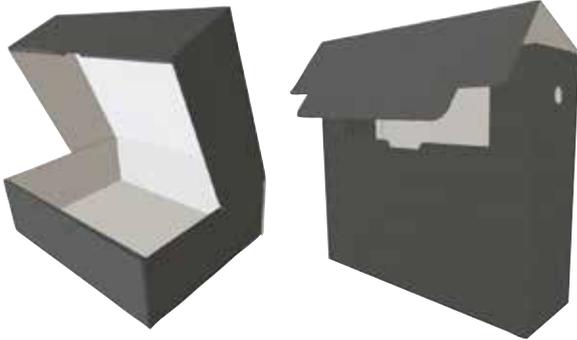
The M3 Art Library of resizable packaging standards has accumulated around 2.300 parametric designs for folding carton, corrugated board, grey chipboard for luxury boxes, rigid honeycomb board, and PVC. Together with the 200 patterns of POP/POS/ Displays, the user has over than 2500 available templates.

The full ECMA and FEFCO codes have been parametrized and included in the library, among many others. The parametric Library is 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. This is mainly used by museums and libraries.



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

INCLUDED WITH 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 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.

AVAILABLE ONLY FOR M3 ART.

M3 ART CARDBOARD FURNITURE

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



ONLY AVAILABLE FOR M3 ART.

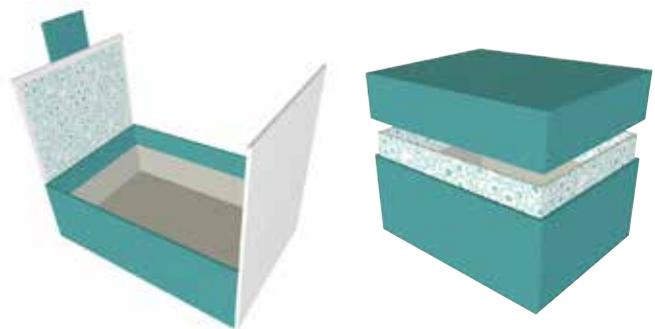
M3 ART LIBRARY OF LUXURY BOXES

M3 form version 9 supports grey board designs ideal for creating luxury boxes. Luxury rigid 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 chipboard and wrapped by a premium finishing 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 AVAILABLE FOR M3 ART.

3D PRESENTER

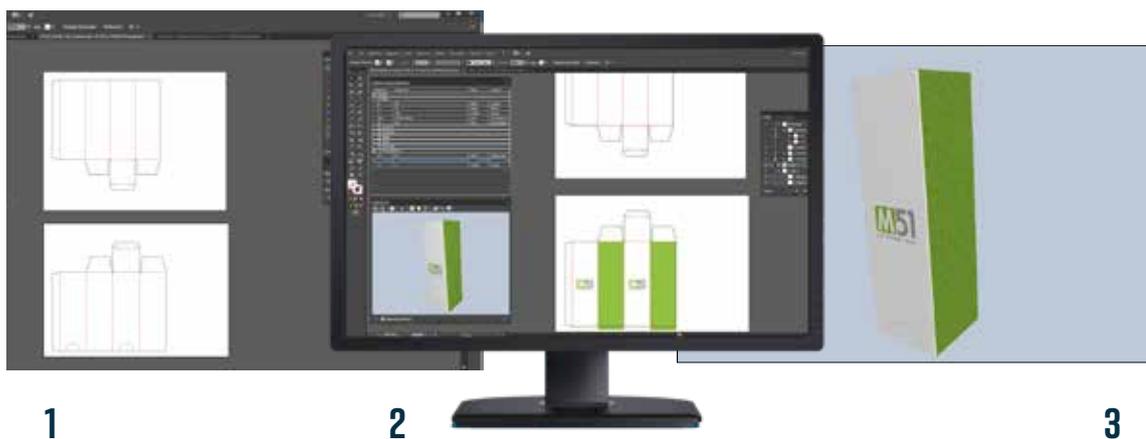
The 3D module allows realistic visualization and proofing of the 2D structure of the packaging artwork and POP/POS displays. At every step of the creation process, the designer can see the changes applied in 3D and share the PDF prototype with colleagues and clients.

- 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 AVAILABLE FOR 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.



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 before any cutting actions being made.

AVAILABLE ONLY FOR M3 ART.

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 to 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.

*Optional



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.



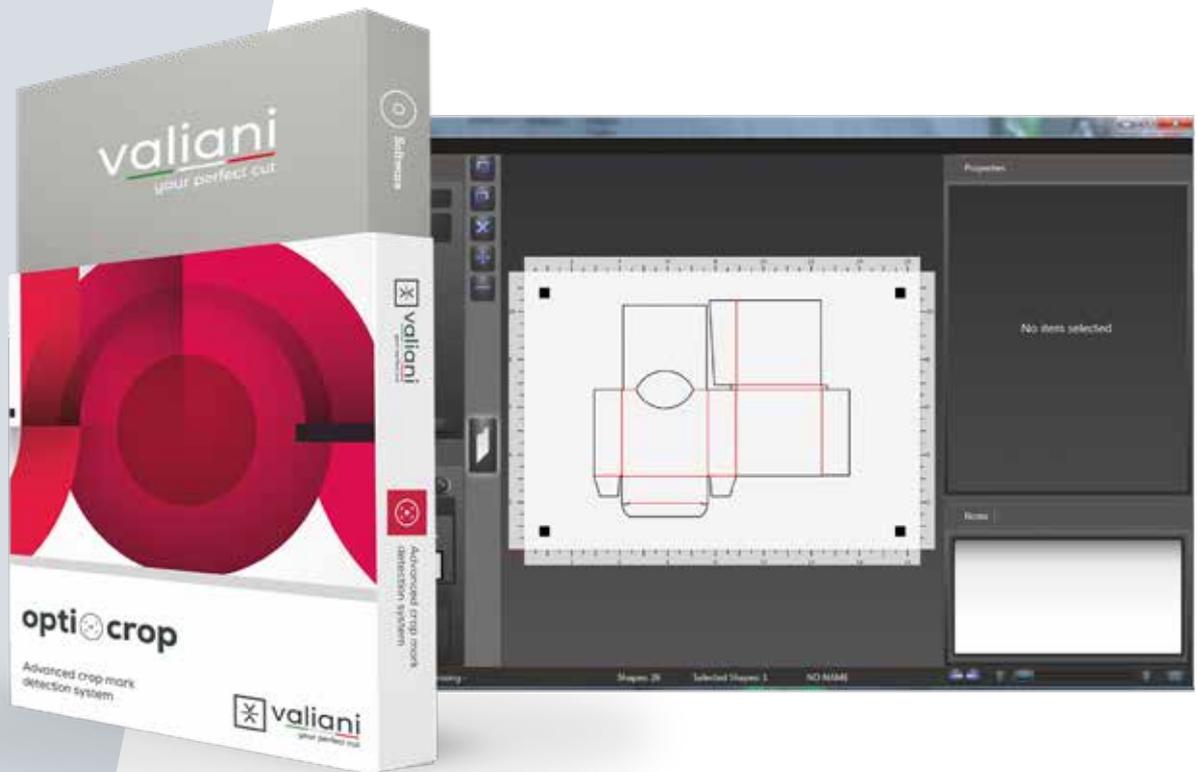
PRINT ALIGNMENT

Through the crop mark detection, Opticrop can straighten the cutting trace and compensate print distortion. This operation can be performed on a single sheet or even on multiple sheets. The number of crop marks determines the precision of contour cutting. Four crops ensure maximum precision for almost any kind of distortion, whereas two to three crops can be faster but offer limited compensation.



VECTOR FILE IMPORT

OptiCrop works with .SVG (Adobe Illustrator or CorelDRAW), .VXML and PDF files. OptiCrop software works with vector files. It is possible to set up the plotting process using different pen colors for your artwork. It is also possible to use group function and layers to optimize workflow. This feature also recognizes different colors and allows the user to set-up halftone colors.



FEATURES

- Straightening cutting process available up to +/- 44°.
- QR code import - QR code can be used to identify the job and automatically load it. QR code can be acquired directly by the built-in machine 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.
- Back-side cutting

FOR MORE INFORMATION SCAN THE QR CODE OR
VISIT OUR WEBSITE: WWW.SUMMA.COM



GOPRODUCE

SUMMA IN-HOUSE DEVELOPED SOFTWARE

The user-friendly GoProduce software is part of Summa's GoSuite platform. GoProduce is developed for the operator of the F Series, handling jobs in a straightforward and easy way. The modern interface with improved navigation enables users to find and operate functions as quickly and intuitively as possible.



MATERIAL MANAGER

The material database includes an extensive range of material types which settings can be adapted to your specific needs. Through methods, you only need to choose the material you want to process. Then, the material manager automatically chooses the correct tool and its settings for the cutting job.



OVERCUT COMPENSATION

This GoProduce functionality avoids or minimises overcuts in the corners.



SORTING

The order in which objects are handled is important to minimise output time. GoProduce can determine the start and end of a vector and the order of processing. The aim here is to shorten the traverse path. Basic sorting is done by GoProduce itself.



MILLING

With the interactive milling function, any change in tool diameter and rotation is performed immediately and shown on the working area. All milling paths are automatically created and displayed. The tool diameter is taken into account.



CAMERA RECOGNITION

The recognition process and localisation of the registration marks can be tracked in the camera preview window. All kinds of compensations and marks, which occur in everyday practice, are manageable with GoProduce.



BACK SIDE CUTTING

Back side cutting is especially useful when cutting cardboard boxes in order not to damage the print and in order to ensure the print is located at the outside.

FEATURES

- Modern interface
- Improved navigation
- Quick and intuitive
- Windows-based
- Standard included
- Pro Pack available
- 30-day Trial available

GOPRODUCE

PRO PACK

ADVANCED FEATURES

The optional GoProduce Pro Pack offers you advanced features such as barcode functionality, hot folder support, Twin Workflow, and import possibility of plot files. Similar to the standard GoProduce software, the Pro Pack will also will be gradually expanded with new functionalities.

*Optional



HOT FOLDER SUPPORT

GoProduce could already import jobs by file selection by means of a hand scanner or OPOS barcode. With the hot folder functionality in GoProduce, files dropped in a folder can now be opened automatically in GoProduce.



TWIN X - IMPORT OF PLOT FILES

Twin X enables GoProduce to read cutting files prepared for Summa roll cutters. This way the Twin Workflow, previously only available on OPOS CAM roll cutter units, can now also be used on all Summa roll cutter units, equipped with an OPOS X sensor.



BARCODE FUNCTIONALITY

The Barcode Functionality streamlines automation by linking each cutting job to a unique barcode printed on the material. The machine's camera scans the barcode, retrieves the corresponding file, and automatically starts cutting, continuing seamlessly until all jobs on the roll are completed. No operator is needed!



FEATURES

- Custom configuration of action sets
- Registration of square / round marks
- Material manager
- Job log functionality
- Cut-off between jobs
- Tool priority selector
- Remote controller
- Weedbox functionality
- Back side cutting
- Barcode functionality
- Hot folder support
- Twin X - Import plot files
- Edge-detection

FOR MORE INFORMATION SCAN THE QR CODE OR
VISIT OUR WEBSITE: WWW.SUMMA.COM



CUSTOMER EXPERIENCE CENTER

*“From Briefing to Experience: from this concept comes the idea of creating a place to support our customers and present our latest products and technologies but, above all, to truly connect customers with our corporation. We recognize that customers want more than being talked to; they want an experience that feels both personal and authentic. Relying on a **50 year old** company is synonym of expertise, know-how and reliability. This is what customers are looking for entrusting themselves to a partner with solid background and experience in the market.”*

Nico Valiani



LIVE A FULLY PERSONALIZED EXPERIENCE

Your time is valuable. This is why we work to provide any customer a unique and personalized experience, for which our team will work directly with you to identify the objectives of the meeting before the visit.



INTERACT WITH EXPERTS

Whether you want to have a deep discussion on a particular machine in the Valiani portfolio or a deeper conversation about the available tools, the type of material the machine can cut or additional software, you'll be directed to the right products.



DISCOVER INDUSTRY TRENDS

Industries are evolving every day and so are the need for improved technology. Our teams regularly conduct and review market research on each of the industries we serve, to provide you a deep understanding of the important trends that are likely to impact your business. Then we can discuss how you can best respond to them to capture and preserve your edge for the years to come.

**OUR CUSTOMER EXPERIENCE CENTER
FEATURES OUR MOST RECENT
PRODUCTS AND SOLUTIONS**



Summa | valiani
your perfect cut

Optima
50

VALIANI
40
INNOVATION

Nexus

Summa valiani

Summa valiani

Optima



**VISIT OUR
SHOWROOM**

V Series

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your perfect cut

DIGITAL FLATBED CUTTING MACHINES

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CUTTING-EDGE SOLUTIONS DRIVE BUSINESSES TO SUCCEED

VISION

Innovating Tomorrow's Cutting Solutions

Summa envisions a future where cutting-edge digital solutions drive businesses to achieve excellence with ease. With over 50 years of experience, we are dedicated to delivering high-performance machinery that combines precision, reliability, and innovation, empowering industries worldwide to create with confidence.

MISSION

Simplifying Cutting, Enabling Growth

Summa is committed to eliminating complexity in cutting by developing advanced, user-friendly solutions that meet the highest quality standards. By integrating seamlessly with existing workflows, our cutting systems optimize performance, increase productivity, and help customers in industries such as Sign & Display, Textile, Packaging, and Industrial grow their businesses. empowering industries worldwide to create with confidence.

VALUES

The Foundation of Excellence

Our commitment to innovation and quality is guided by core values that define every aspect of the company:

- **Reliability & Durability:** Products designed to perform flawlessly over time, ensuring maximum value and dependability.
- **Innovation & Progress:** Proactive development of cutting-edge solutions that meet evolving market needs.
- **Integrity & Accountability:** Honest, customer-focused service built on trust and respect.
- **Collaboration & Expertise:** Teams dedicated to delivering meaningful results through knowledge, skill, and professionalism.



The Making of
Palazzo Valiani



Invicta

V Series V1612

EXTRA LARGE BED SIZE

Optima XL series combines the greatest features of Optima series with the opportunities of a **extra 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.

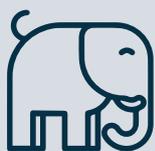
Thought to cut extra-large materials, it represents the ideal cutting machine both for those who need a **larger worktable** and looking for **productivity** and **guaranteed performance**.

INPUT NE



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.



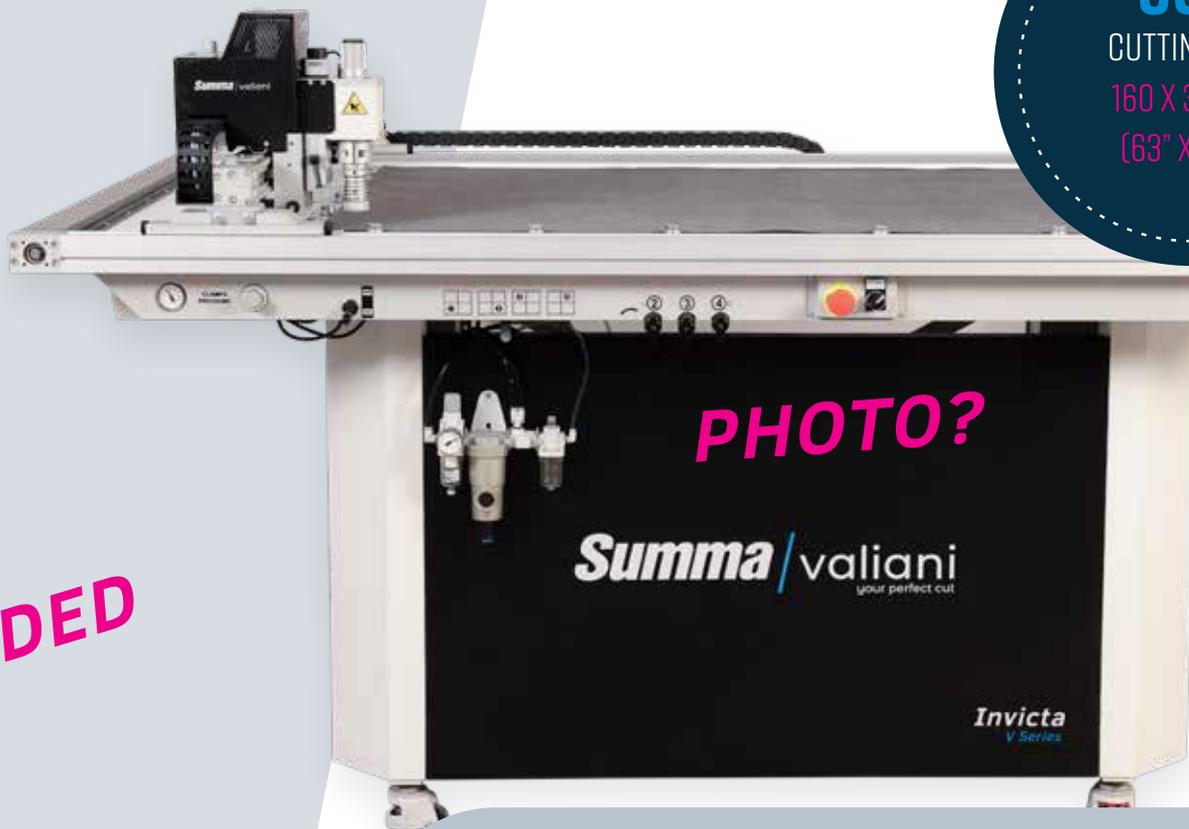
CHANGE THE TOOLS IN 8 SECONDS

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 a 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.

FOR MORE INFORMATION SCAN THE QR CODE OR
VISIT OUR WEBSITE AT WWW.SUMMA.COM





300
CUTTING SIZE
160 X 305CM
(63" X 120")

XL
FORMAT

LEDED

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



NEW LINK SUMMA WEBSITE?

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
- Vinyl/Plastic/Adhesive sheets
- Motorbike decals
- Cardboard Honeycomb Furniture
....and many more

TECHNICAL DATA

Ivicta XL	V1612
Cutting Size	1600 x 3050 mm (63"x120")
Width	2200 mm / 86,6"
Depth	3640 mm / 143,3"
Height	1200 mm / 47"
Weight	770 kg / 1522 lbs
Power Requirements	3 Phase - 230V 60Hz 20A - 5,4 KVA 3 Phase - 400V 50/60Hz 12/13.5 A - 4.8/5.4 KVA

For the other specs see page 23