

OPTIMA SERIES 80/160/250

PEERLESS PRODUCTIVITY, PERFORMANCE AND PRICE

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.

Our "best selling product" among our line of machines, with its high precision, robust mechanisms and its capacity to manage different materials.

**HIGH
PRECISION**

**TWO
INDEPENDENT
AND MODULAR
TOOL HOLDERS**

**5
YEARS
WARRANTY**



SIZES MATTER

Optima Series is available in multiple bed sizes.



CHANGE THE TWO MODULAR HEADS

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

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

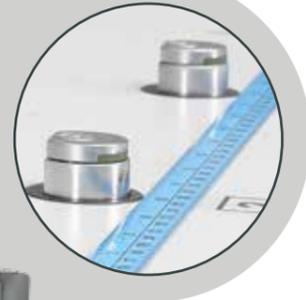
Materials

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



Optima 80 | 160 | 250

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



FEATURES

- Equipped with two independent Tool Holders systems that prevent interruptions during the work cycle
- Combined 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 5 different bed sizes

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 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



Technical Data



Optima Series 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 ² - (39.4")/s ²		
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		
Tools Holder	2 + 1F		
Connectivity	USB 2.0 (Ethernet*)		
Data Buffer	External PC		
Media Hold System	Vacuum bed & Pneumatic Clamping System		
Fixed Tool	Pen (Optional)		
Power Capacity	NA		
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)		

*2023 Models



OPTIMA XL 200/300

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 **five 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.

**200
CUTTING SIZE
160x205cm
(63x80,7")**



**300
CUTTING SIZE
160x305cm
(63x120")**

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

Technical Data

Optima XL Series Model	200	300
Cutting Size	1600x2050 mm (63x80,7")	1600x3050 mm (63x120")
Width	2200 mm / 86,6"	2200 mm / 86,6"
Depth	2730 mm / 107,5"	3640 mm / 143,3"
Height	1200 mm / 47"	1200 mm / 47"
Weight	590 kg / 1300 lbs	690 kg / 1522 lbs
Power Requirements	3 - Phase - 230V 60Hz 20A 3 - Phase - 400V 50Hz 12A	
Power	4.5 KVA	

****For the other specs see page 23**

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

