

# 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.

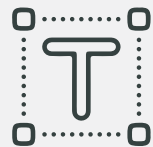
It is the ideal solution for **short and medium runs** of die cutting, prototyping, honeycomb furniture creation, textile/cardboard pattern cutting and much more.

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

**HIGH  
PRECISION**

**5  
YEARS  
WARRANTY**

**TWO  
INDEPENDENT  
AND MODULAR  
TOOL HOLDERS**



### 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](http://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 <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		
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





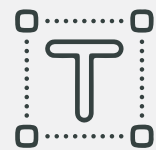
# OPTIMA XL 200/300

## 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.

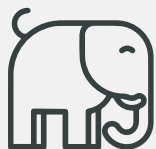
The large cutting surface in combination with the vacuum table guarantees a perfect media holding on a wide range of materials.

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

