

# Optima



**valiani**  
your perfect cut

# OPTIMA SERIES 80/160/250

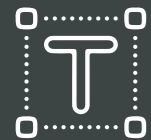
**TWO  
INDEPENDENT  
AND MODULAR  
TOOL HOLDERS**

## 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.

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



### 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.



### MORE AUTOMATION FOR GREATER PRODUCTIVITY AND HIGHER SPEED

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

**HIGH  
PRECISION**

## 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...

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.

## 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

And a lot more...



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

## 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

300  
CUTTING SIZE  
160x305cm  
(63x120")

## OPTIMA XL 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. 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**



**SUPERIOR  
MANUFACTURING,  
QUALITY AND RELIABILITY**



**MULTIPLE CROP MARKS  
DETECTION**



## 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



## Optima 80, 160 and 250

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

## 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		
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)		

## 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**





For further information scan the  
QR Code or visit our website at

**[www.valiani.com](http://www.valiani.com)**



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**Valiani srl**

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