Omnia

valiani

your perfect cut

OMNIA
SERIES 80/100

AUTO FEED DIE CUTTING MACHINE

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, with different sizes up to **75x80 cm / 29.5x31.5''** (Omnia 80) and up to **75x105 cm / 29.5x41.3''** (Omnia 100). Omnia will feed media to the cutting table using a suction system that lifts media from the feeder and drags it onto the conveyor. The feeder holds up to **600 sheets**, depending on thickness. Once in position, the camera will detect crop mark 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 material. Omnia is perfect for die cutting cardstock projects including packaging, folders, business card and kiss-cut. With its robust design, it can also process heavy material such as corrugated cardboard, chip board and plastic sheets (forex). Whether you go **digital** or **offset**, Omnia is just what you need.

INCREASE PRODUCTION CAPACITY - 24/7

The oversized feeder and the withdrawal system automatically pick up and load the materials into the cutting machine. The automatic crop mark detection allows a hands-free cutting process and a **signal tower light** will notify the operator that the feeder has dropped to the minimum quantity so it can be reloaded.

REAL INDEPENDENT WORKFLOW

Omnia Series is designed with the aim to make it work **automatically all day long without the presence of an operator**. Repeatability and reliability are two factors that summarize the concept of quality asseverated in Valiani Omnia.

SUPERIOR MANUFACTURING, QUALITY AND RELIABILITY

All Valiani machines are designed and developed with the aim to make them **last forever**.

For more information scan the QR Code or visit our website at **www.valiani.com**

80
MEDIA SIZE UP TO
75x80cm
(29.5x31.5")

AVG SPEED PER SHEET
is calculated between 35-45 seconds when cutting a box or a folder of medium complexity

OSCILLATING TOOL
MAXIMUM CUTTING HEIGHT
12.7 mm (1/2")

1. Continuous sheet media loading and processing
2. High-capacity Feeder
3. Perfect cutting and creasing on most materials
4. No operator needed
5. Cutting up to 12.7 mm - 1/2"
6. Unstoppable: work for a long time without any interruption
7. Kiss Cut Tool
8. Camera and software to ensure precise graphics alignment
9. Processing rigid media too
10. 100% made in Italy

KISS CUT TOOL

100
MEDIA SIZE UP TO
75x105cm
(29.5x41.3")

Main Applications

- Packaging
- Labels (Kiss cut)
- Business cards
- Greeting cards and folders
- Leaflets
- Small POS Displays
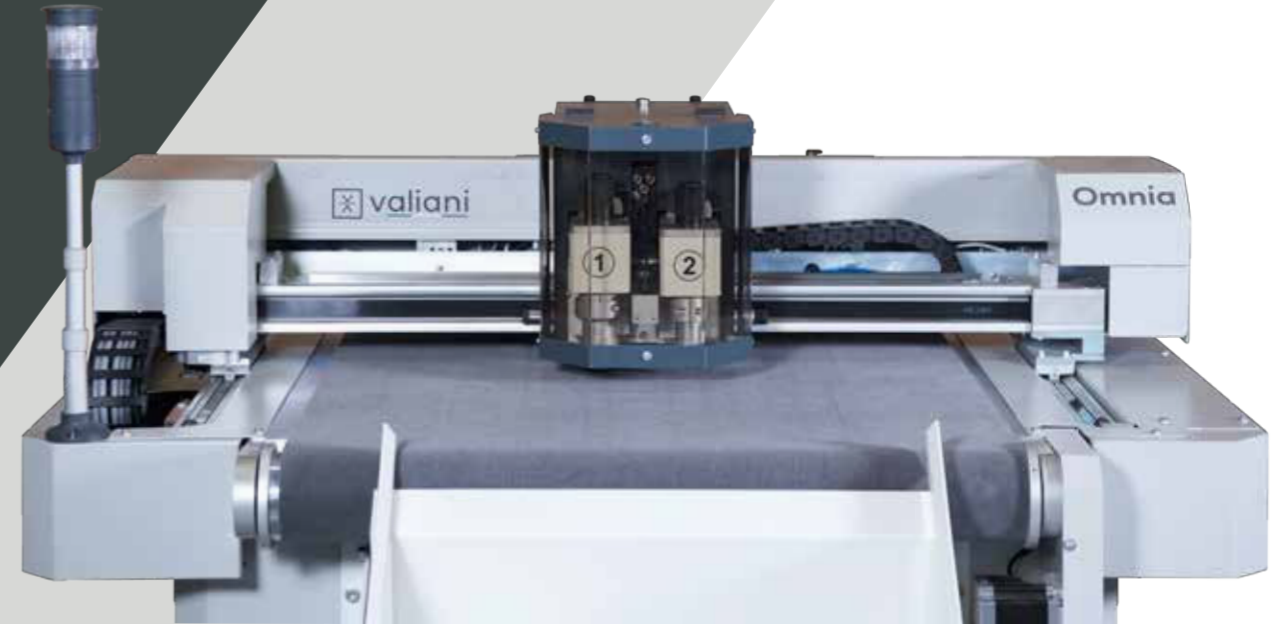- Post-Press digital and offset finishing
  And a lot more...

Materials

- Folding Carton Corrugated cardboard
- Cardstock
- Coated paper
- Adhesives/Stickers/Vinyl
- PVC/FOREX/Foamboard
  And a lot more...

SAVE MONEY AND TIME
CHANGE CONVEYOR BY YOURSELF

Technical Data

Omnia Series Models	80	100
Cutting Size	750x800 mm (29.5x31.5")	750x1050 mm (29.5x41.3")
Width	1617 mm/2190 mm w PC (63.6"/86.2")	1620 mm/ 2000 mm w PC (63.7"/78.7")
Depth	3835 mm (150.9")	4370 mm (172")
Height	1320 mm (52")	1320 mm (52")
Weight	850 Kg (1874 lbs)	950 Kg (2094 lbs)
Minimum Media Size	297x210 mm (A4) (11.6x8.2") Portrait	297x210 mm (A4) (11.6x8.2") Landscape
Maximum die-cutting size	590x790 mm (23.2x31.1")	740x1040 mm (29x41")
Width with safety mat	3280 mm (129,2") W/Safety mat	
Max Cutting Speed	1.350 mm (53,1")/sec (129,2")	
Acceleration	3 m (118")/s²	
Power Requirements	3-Phase - 400 V – 50/60 Hz 13A	
Power	5,5 KVA	
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 Availabile	90°, 45°, 40°, Embossing, Creasing and Oscillating tool	
Tools Holder	2 + (1F)	
Connectivity	Ethernet + USB	
Data Buffer	External PC	
Media Hold System	Vacuum	
Fixed Tool	NA	
Feeder Capacity	600 Sheets (300 gsm) - H. 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	
CropMarks Rec.	Camera + Software (Included)	

* For electrical voltage different from the standard ones, it is necessary to use a power converter (that we can provide if any) to bring tension to 400V