

Omnia



valiani
your perfect cut

OMNIA

AUTO FEED DIE CUTTING MACHINE

Omnia has been designed to automatically feed and contour cut media. The operator can load material up to 60cm x 80cm in size. Omnia will feed media to the cutting arm using a suction system that lifts media from the feeder and drags it onto the conveyor. The feeder holds up to 500 sheets, depending on thickness. Once in position, the camera will detect crop marks and execute the cut file for the pre-printed graphics. The completed 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, business card and kiss-cut. With its robust design, it can also process heavy material such as corrugated cardboard, chip board or thin plastic sheets.



INCREASE PRODUCTION CAPACITY

The oversized feeder and suction system automatically loads the materials into the cutting machine. The automatic crop mark detection allows a hands-free cutting process and a status indicator will notify the operator that the feeder has dropped to the minimum quantity so it can be reloaded.



QR CODE MODE

The QR Code feature improves workflow. The camera quickly detects the code, pulls up the cut files into the software and executes each project, eliminating cut lists.



AVG SPEED PER SHEET

Average speed per sheet is calculated in 45 seconds when cutting A3+ sheet and a medium complexity package design.



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



FEEDER CAN
STACK UP TO

500
SHEETS

OF 300 GSM
CARDSTOCK



MEDIA SIZE UP TO

600X800mm
(23.6 X 31.5 INCHES)

8

Reasons Why

- 1

CONTINUOUS SHEET MEDIA LOADING AND PROCESSING
- 2

HIGH CAPACITY FEEDER
- 3

PERFECT CUTTING & CREASING ON ANY MATERIAL
- 4

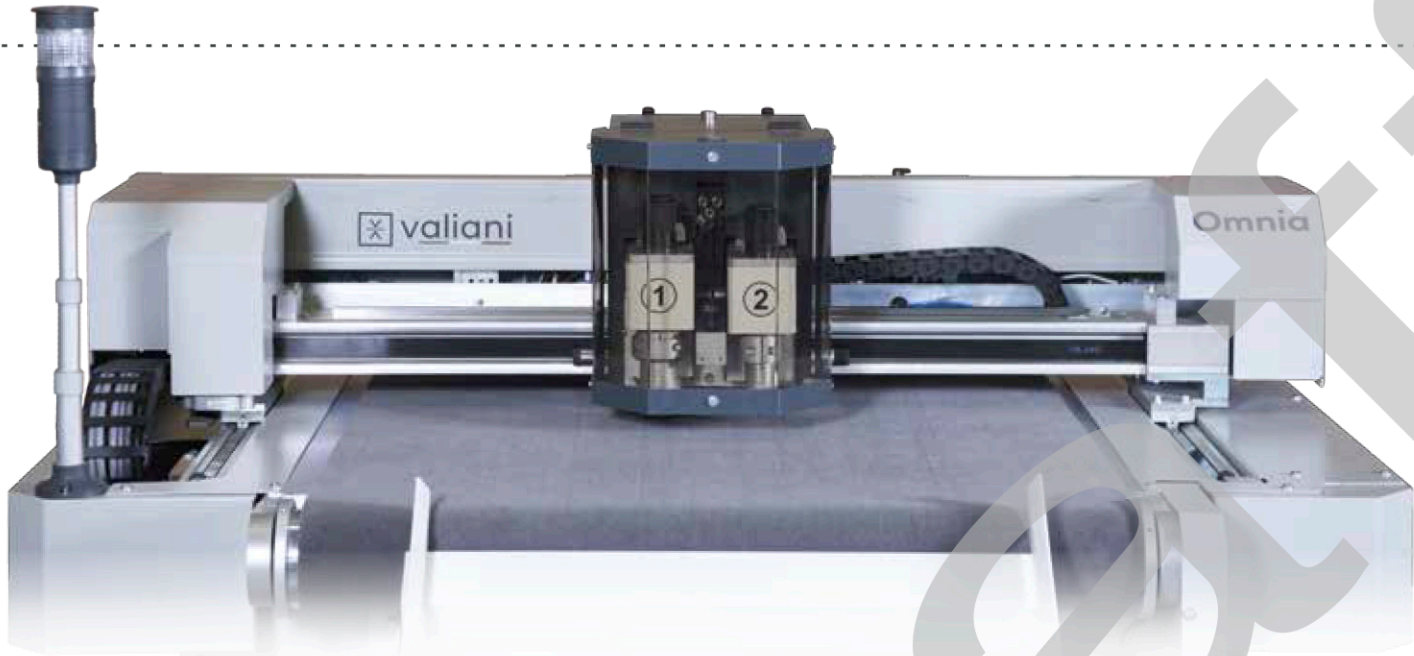
EQUIPPED WITH VACUUM TABLE
- 5

CUTTING UP TO 10MM
- 6

SIMPLIFIED WORKFLOW
- 7

UNSTOPPABLE: WORK FOR A LONG TIME WITHOUT ANY INTERRUPTION
- 8

CAMERA AND SOFTWARE TO ENSURE PRECISE GRAPHICS ALIGNMENT



Applications

- Packaging

Labels

Business card

Leaflets

Desk POS

Post press digital finishing

Materials

- Cardstock

Folding and Corrugated cardboard

Coated paper

Adhesive

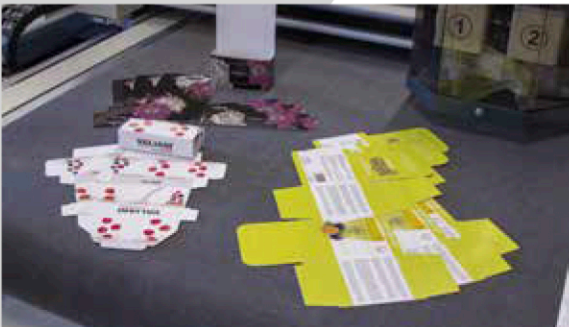
PVC & Foam Core

and many others



Technical Data

Maximum Media Size	600 x 800mm (23.6 x 31.5")	
Minimum Media Size	210 x 297mm (A4) (8.2 x 11.6")	
Maximum Die-Cutting Size	590 x 790mm (23.2 x 31.1")	
Device Sizes	W/O Safety mat	W Safety mat
Width	1620mm + 2000mm w PC (63.8" – 78.7")	2578mm (101.5")
Depth	3255mm (128.1")	3303mm (130")
Height	1297mm (51")	-
Weight	850 Kg – 1874 lbs	
Speed	1.350mm/sec (1,5 m/s) – 53,1"/sec	
Acceleration	2 m/s² – 78.7 in/s²	
Power Requirements	3 Phase + PE 400 V – 50 Hz 13A – 5.2 KVA	
Repeat Precision	≤0.1mm	
Air requirements	8 Bar/115 PSI	
File Format	.SVG, .PLT, .DXF, .CF2, .HPGL, .XML	
Tool Change	Manual	
Tools Available	90°, 45°, 40°, Embossing, Creasing, Drawing tool and Oscillating tool	
Connectivity	Ethernet/USB	
Buffer Memory	External PC	
Media Hold System	Vacuum	
Feeder Capacity	500 Sheets (300 gsm) – 200mm	
Cutting Capacity	0.1 >5mm w/Tangential Blade 0.1 >20mm w/Oscillating Blade	
Supported OS	Win 7, 10	
Security	Safety Mats Optional	



OMNIA 100

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

THE ULTIMATE CUTTING SYSTEM

Omnia combines the strength and integrity of all Valiani digital machines with the automation of a cutting system capable to process long and repetitive jobs without having to attend the operation. Omnia 100 is thought to satisfy the growing demand of personalized die-cutting processes, **exclusive packaging** and unique labels without the added cost of dies and make-readies.

Designed to quickly load materials of various grammage and thickness, this automatic solution enables companies to manufacture everything in-house and stop outsourcing. The oversized catch tray, along with the suction cup pick-up system, guarantees a high level of autonomy and flexibility on a **vast array of materials** including paper, plastic board, and corrugated board.



24/7

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



DOUBLE YOUR PRODUCTIVITY

The non-stop feeder can guarantee compatibility with the main **offset** and **digital printing** formats as well can collect **two SRA3** sheets at the time significantly increasing average output levels.



COST-EFFECTIVENESS AND TOP-LEVEL AUTOMATION

By eliminating the need for costly die-plates and increasing the in-house production, incomparable cost-savings for short to medium runs will be observed shortly.



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



OSCILLATING TOOL

MAXIMUM CUTTING DEPTH
12.7 mm (1/2")

Distinguishing features

- Signal tower light
 - Replaceable conveyor
 - Conveyor with guide to prevent objects from deviating from path
 - Support for laptop
 - Oversized catch tray
 - Oversized feeder
 - Nonstop sheet media loading
 - Safety mats*
- *optional



10 Reasons Why

- 1. Continuous sheet media loading and processing
- 2. High capacity Feeder
- 3. Perfect cutting & creasing on any material
- 4. No operator is needed
- 5. Cutting up to 12.7 mm
- 6. Simplified workflow
- 7. Unstoppable: work for a long time without any interruption
- 8. Camera and software to ensure precise graphics alignment.
- 9. Ensured longevity at a competitive price
- 10. 100% made in Italy

Omnia Series



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

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



MTH



VTH



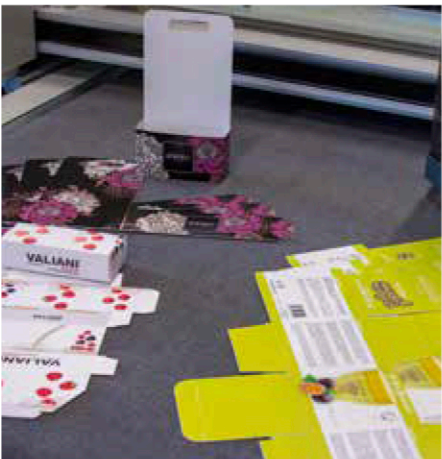
FTH



QR

Technical Data

Model	80	100
Maximum Media Size	600x800 mm (23.6x31.5")	750x1050 mm (29.5x41.3")
Minimum Media Size	297x210 mm (A4) (11.6x8.2")	297x210 mm (A4) (11.6x8.2")
Maximum Die-Cutting Size	790x590 mm (31.1x23.2")	740x1040 mm (29x41")
Width	1620 mm or 2000 mm w PC (63.8" or 78.7")	1620 mm or 2000 mm w PC (63.8" or 78.7")
Depth	3800 mm (149.6")	4300 mm (169")
Height	1297 mm (51")	1297 mm (51")
Weight	850 Kg - 1874 lbs	950 Kg - 2094 lbs
Speed	1.350 mm/sec (1,5 m/s) - 53,1"/sec	
Acceleration	3 m/s	
Power Requirements	3 Phase + PE 400 V - 50 Hz 13A - 5.2 KVA	
Repeat Precision	≤0.1 mm	
Air requirements	8 Bar/115 PSI	
File Format	.SVG, .PLT, .DXF, .CF2, .HPGL, .XML	
Tool Change	Manual	
Tools Available	90°, 45°, 40°, Embossing, Creasing, Drawing tool and Oscillating tool	
Tools Holder	2 + 1F	
Connectivity	Ethernet/USB	
Buffer Memory	External PC	
Media Hold System	Vacuum	
Fixed Tool	Pen	
Feeder Capacity	600 Sheets (300 gsm) - 200 mm (7,8")	
Cutting Capacity	0.1 >5 mm (0,19") w/Tangential Blade 0.1 >12,7 mm (0,5") w/Oscillating Blade	
Repeat Precision	≤0.1 mm	
Supported OS	Win 7, 10	
Security	Optional Safety Mats	
CropMarks Rec.	Camera (Included)	



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CARDSTOCK



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