

Omnia



Technical Data

| | | |
|--------------------------|---|---------------------|
| Maximum Media Size | 600 x 800 mm (23.6 x 31.5") | |
| Minimum Media Size | 210 x 297mm (A4) (8.2 x 11.6") | |
| Maximum Die-Cutting Size | 590 x 790 mm (23.2 x 31.1") | |
| Device Sizes | W/O Safety mat | W Safety mat |
| Width | 1620 mm + 2000 mm w PC (63.8" - 78.7") | 2578 mm (101.5") |
| Depth | 3255 mm (128.1") | 3303 mm (130") |
| Height | 1297 mm (51") | - |
| Weight | 850 Kg - 1874 lbs | |
| Speed | 50 mt/min - 32"/sec | |
| Acceleration | 1 m/s ² - 3.2 Fps ² | |
| 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 | |
| Connectivity | Ethernet/USB | |
| Buffer Memory | External PC | |
| Media Hold System | Vacuum | |
| Feeder Capacity | 500 Sheets (300 gsm) - 200 mm | |
| Cutting Capacity | 0.1 >5mm w/Tangential Blade 0.1 >20 mm w/Oscillating Blade | |
| Supported OS | Win 7, 10 | |
| Security | Safety Mats Optional | |



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OMNIA

AUTO FEED DIE CUTTING MACHINE

Omnia has been designed to automatically feed and contour cut media. The operator can load material up to 60 cm x 80 cm 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

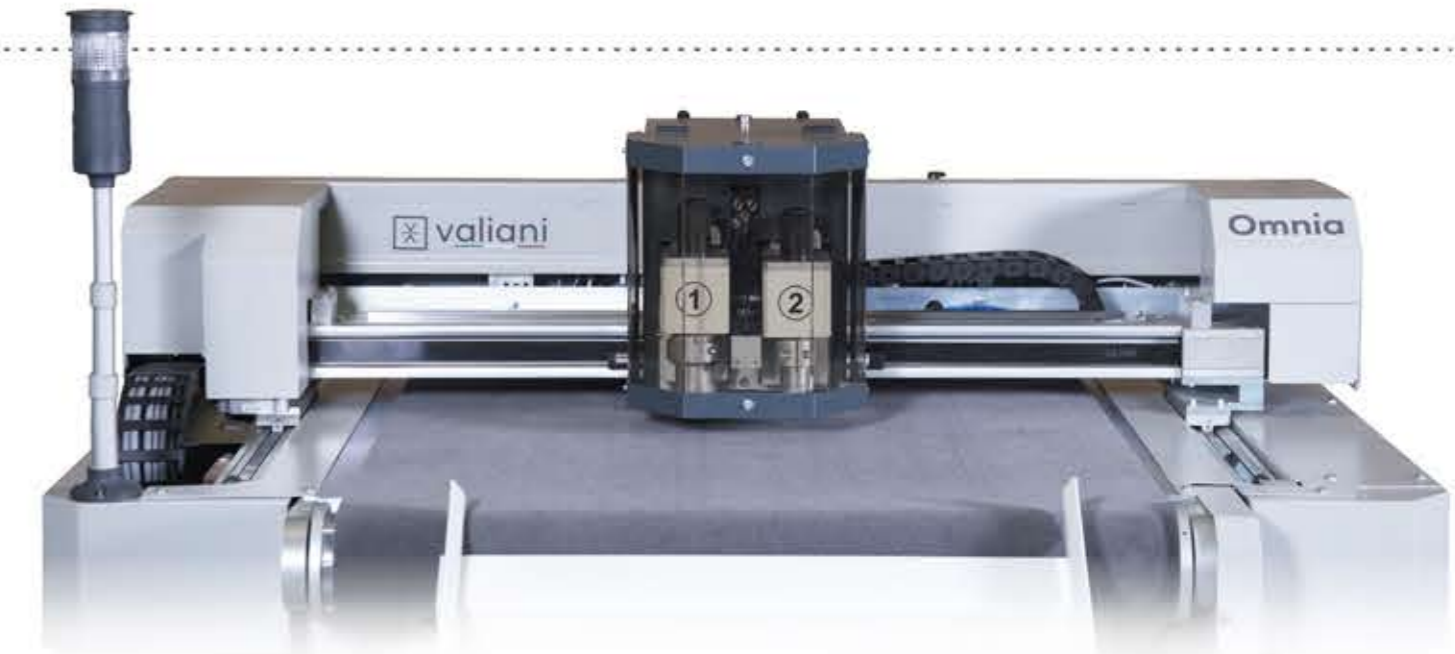


FEEDER CAN STACK UP TO
500 SHEETS
OF 300 GSM CARDSTOCK

MEDIA SIZE UP TO
600X800 MM
(23.6 X 31.5 INCHES)



- 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