



Valiani Invicta | Optima | Omnia

Valiani Optima V50

Entry level cutting table for **prototyping, packaging** and **short run** applications.

Optima V50

The Optima V50 is an affordable cutting solution for short run cutting projects. It is the ideal solution for a company wishing to start producing mock-ups, prototypes and small production runs without the need of die cutting.

Key Features

- Single head system capable of a tool changeover in less than 10 seconds without any mechanical adjustment
- Comes with a base, a vacuum bed for easier media holding, a fold away pin system for easy-alignment and a camera for crop mark detection
- A3+ sheets or maximum sheet size 540 x 800mm

Materials

- Corrugated and folding cardboard
- PVC and foam board
- Vinyl/Plastic Adhesive sheets
- Diamond grade reflective sheets
- Leather, fabric and foam

VersaTool - Type Interchangeable Heads

Tool Holder enables the use of all the interchangeable heads series. The main applications are Kiss-cut, bevel cut on chip boards and varnishing blankets cut. Cutting option available 40°, 45°, 90° and Embossing.



Cutting Head

Precise Multi depth cutting tool for material up to 5 mm (3/16") thick.



Optima V50

| | |
|--------------|--|
| Working area | 540mm x 800mm |
| Width | 1440mm |
| Depth | 1180mm |
| Height | 1200mm |
| Weight | 280kg |
| Max Speed | 500mm/sec |
| Main Supply | Single Phase 220 50Hz - 10A |
| Pneumatics | 6 Bar/90 PSI 8 Bar/115 PSI (5.3 CFM) with oscillating tool head |
| Connectivity | USB |
| Data Buffer | External PC (Not included) |
| Tool Change | Manual |

Creasing Tool

Complete Creasing Tool with 9 wheels to crease and perforate folding cardboard and corrugated cardboard.



Plotting Tool

Plotting Tool to create dynamic drawing or text on cardboard patterns.



Pneumatic Oscillating Cutting Tool

Powerful pneumatic vibrating tool for cutting various strengths of materials up to 20 mm.



Valiani cutting tables offer refined **cutting technology** that can satisfy the most **demanding** users.

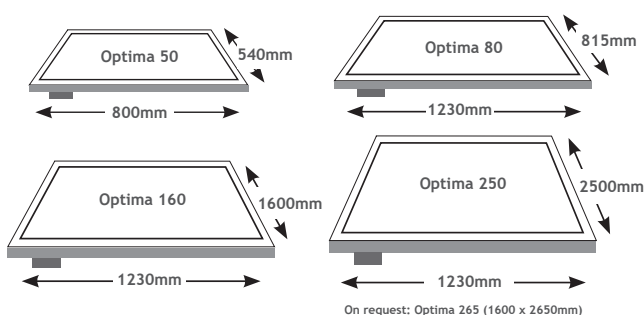
Optima V Series

The Optima series of digital cutting machines provides the user with a large range of finishing processes such as cutting and creasing, meeting the requirements of many markets and applications in the offset/digital printing industry, display and packaging market, apparel and leather industry. It's the ideal solution for short/medium runs of die cutting textile/cardboard patterns, prototyping, furnishing creation, and much more. Precision, reliability and flexibility are the key features. Simple and intuitive to use, the Optima series incorporates refined cutting technology that can satisfy the most demanding users.

Key Features

- Manual cutting depth adjustment from 0.1mm to 20mm (with optional oscillating blade)
- Vacuum table for holding media in place.
- Twin head tool station
- Interchangeable creasing accessories for creasing / perfining a wide range of media.
- Crop mark detection as standard

Optima V cutting sizes



Optima 80



Optima 160

Twin head tool station

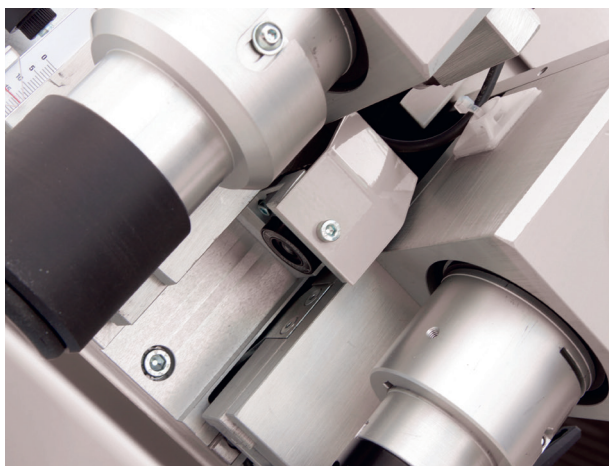
With two configurable tool stations, the Optima V is a medium-format professional cutting plotter capable of cutting, half cutting and creasing, drawing and oscillating, cutting up to 20mm thickness.



Valiani Optima V80 | 160 | 250

OptiCrop camera

The Optima V comes as standard with a camera for crop mark detection. This device, used in combination with optional software OptiCrop, can perform accurate contour cutting and creasing around preprinted media even with print-distorted materials.



VersaTool

Now all Ultra V magnetic heads are compatible with the Optima 'twin head station' with the addition of the new 'VersaTool'. This combines the range and versatility of the ultra V series tools, with the speed and efficiency of the Optima range.



- Blue 45° Bevel Cut (rear)
- Red 45° Bevel Cut (front)
- Yellow 90° Straight Cut (multi material)
- Purple Debossing
- White 90° Straight Cut
- Green 40° Bevel Cut (front)
- Grey 90° Straight Cut

Optima 80

| | |
|--------------|--|
| Working area | 1230mm x 815mm |
| Width | 1830mm |
| Depth | 1430mm |
| Height | 1200mm |
| Weight | 440kg |
| Max Speed | 840mm/sec |
| Main Supply | Single Phase 220 50Hz - 10A |
| Pneumatics | 6 Bar/90 PSI 8 Bar/115 PSI (5.3 CFM) with oscillating tool head |
| Connectivity | USB |
| Data Buffer | External PC (Not included) |
| Tool Change | Manual |

Optima 160

| | |
|----------------------|---------------------------|
| Working area | 1230 x 1600mm |
| Width | 1830mm |
| Depth | 2230mm |
| Height | 1200mm |
| Weight | 490kg |
| Max Speed | 430mm/sec |
| Main Supply | SP 200/208V 50/60Hz - 16A |
| Pneumatics | 6 Bar/90 PSI |
| Connectivity | USB |
| Data Buffer External | PC (Not included) |
| Tool Change | Manual |
| Media Holding System | Pneumatic |

Optima 250

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|----------------------|-------------------------------------|
| Working area | 1230 x 2500mm |
| Width | 1830mm |
| Depth | 3010mm |
| Height | 1200mm |
| Weight | 600kg |
| Max Speed | 430mm/sec |
| Main Supply | SP / 110V60Hz/10S, 220V/50Hz/10A |
| Pneumatics | 6 Bar/90 PSI |
| Connectivity | USB |
| Data Buffer External | PC (Not included) |
| Tool | Change manual |
| Media Holding System | Pneumatic |

Valiani Invicta 80 | 120 | 150

Flexible and **efficient**.

The perfect solution for **prototyping**, Product **packaging** and **POS** displays.

Invicta

The Invicta series, is available in 3 table sizes. The Invicta 80 with a cutting area of 820 x 620mm, the Invicta 120 with a cutting area of 1220 x 820mm and the Invicta 150 with a cutting area of 1520 x 1020mm. These machines offer an efficient, flexible, versatile, solution for prototyping and short run packaging, as it can cut material up to 5mm with a standard blade, or up to 20mm with an Oscillating Tool. The Invicta Series is equipped with a vacuum worktable, which offers higher reliability to hold the materials in place during the cutting process.

Key Features

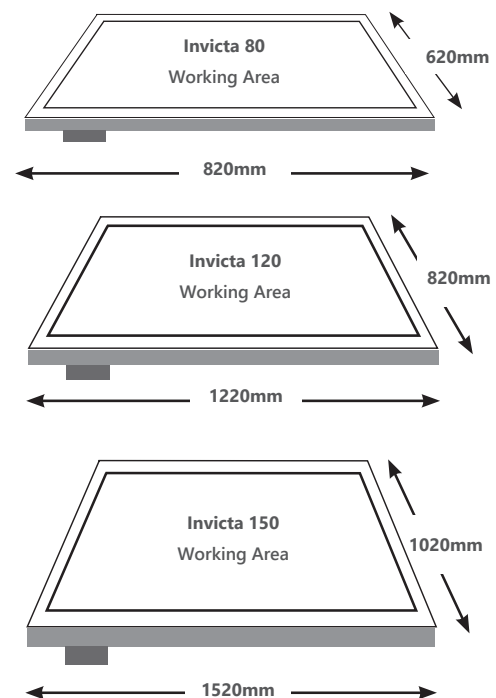
- Manual cutting depth adjustment from 0.1mm to 20mm (with optional Oscillating Tool)
- Vacuum table for holding media in place.
- Interchangeable creasing accessories for creasing / perfering a wide range of media.
- Optional crop mark detection

Applications

- Die-cutting of digital & offset prints
- Box and packaging production
- POP/POS display
- Street and business signage
- Offset varnishing plates
- Architectural and plastic models
- Decals and stickers
- Cardboard honeycomb furniture



Invicta



Valiani Invicta 80 | 120 | 150

Customize to your own needs with a wide range of **tools** to suite a variety of **applications**.

Valiani Invicta

With its unique features and extreme versatility, the Valiani Invicta offers you the flexibility to produce a wide range of projects, it guarantees a very high degree of precision matched with a creasing quality almost equal to that of traditional die cutting.

Compatible with the same tools as the Optima series, and with the addition of the VersaTool the Invicta can also accommodate the magnetic heads used on the Ultra V series. This versatility combined with speeds of up to 500mm/sec make the Invicta the perfect choice for businesses looking to expand their application options over time.

Vacuum table efficiency

The large vacuum table workspace, combined with a new clamping system ensures effective reduction of media displacement. This means you no longer have to worry about material being held in place regardless of thickness.



Invicta 80

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|----------------------|--|
| Working area | 820 x 620mm |
| Width | 1260mm |
| Depth | 1170mm |
| Height | 1100mm |
| Weight | 190kg |
| Max Speed | 500mm/sec |
| Main Supply | Single phase - 100/240V 50/60Hz 16A |
| Pneumatics | 6 Bar/90 PSI |
| Connectivity | USB 2.0/Bluetooth |
| Data Buffer | External PC (Not included) |
| Tool Change | Manual |
| Media Holding System | Vacuum & Button Clamps |

Invicta 120

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|----------------------|--|
| Working area | 1220 x 820mm |
| Width | 1780mm |
| Depth | 1394mm |
| Height | 1100mm |
| Weight | 290kg |
| Max Speed | 500mm/sec |
| Main Supply | Single phase - 100/240V 50/60Hz 16A |
| Pneumatics | 6 Bar/90 PSI |
| Connectivity | USB 2.0/Bluetooth |
| Data Buffer | External PC (Not included) |
| Tool Change | Manual |
| Media Holding System | Vacuum & Button Clamps |

Invicta 150

| | |
|----------------------|--|
| Working area | 1520 x 1020mm |
| Width | 2080mm |
| Depth | 1594mm |
| Height | 1100mm |
| Weight | 320kg |
| Max Speed | 500mm/sec |
| Main Supply | Single phase - 100/240V 50/60Hz 16A |
| Pneumatics | 6 Bar/90 PSI |
| Connectivity | USB 2.0/Bluetooth |
| Data Buffer | External PC (Not included) |
| Tool Change | Manual |
| Media Holding System | Vacuum & Button Clamps |

Omnia, the new flat bed cutter with automatic feeder. The efficient solution for high volume cutting

Valiani Omnia

The Valiani Omnia has been designed to automatically feed and cut material up to 600 x 800mm (B2) without the need for an operator to load and unload the sheets.

Key Features

- Continuous sheet media loading and processing
- High capacity feeder
- Perfect cutting and creasing on any media
- Equipped with vacuum table
- Cutting up to 12mm with the oscillating tool
- Uninterrupted workflow
- Camera and software to ensure precise alignment

The cutting arm is equipped with suction cups which lift the materials from the feeder and places them onto the conveyor belt. The conveyor moves the sheets in to the final position and the camera then identifies the crop marks that are printed on the sheet, the sheets are then cut and once the job is finished, each sheet moves into the collection tray.

Thicker materials such as FOREX or corrugated cardboard can also be loaded into the feeder. The load capacity can manage up to 500 sheets (depending on the material thickness).

Valiani optional tools fit onto your tool holder or VersaTool to give it a dedicated function, for example oscillating knife, V cutting, kiss cutting and many more.



Omnia

Interchangeable cutting heads

The Valiani machines use an array of Interchangeable cutting heads for its entire line of digital cutters. These heads are retained and positioned to the cutting head assembly by means of several small, yet powerful magnets.

| Omnia | |
|--------------------------|---------------------------------------|
| Maximum media size | 600 x 800mm |
| Minimum media size | 210 x 297mm |
| Feeder capacity | 500 sheets (300gsm) - 200mm |
| Width without safety mat | 1620mm (+2000mm for PC) |
| Depth without safety mat | 3255mm |
| Height | 1279mm |
| Weight | 850kg |
| Max Speed | 1350mm /sec |
| Main Supply | 3 phase + PE 400V - 50Hz 13A - 5.2KVA |
| Pneumatics | 8 Bar/115 PSI |
| Connectivity | USB |
| Data Buffer | External PC (Not included) |
| Tool Change | Manual |
| Media Holding System | Vacuum |





*Disclaimer As part of our continued product improvement plan, specifications and information published here are subject to change without notice. All specifications are dependent on application, type of stock, temperature, RH and print engine used. Specifications quoted were measured on uncoated and unprinted stock. E & OE.