

INVICTA SERIES 80/120/150

INVINCIBLE VERSATILITY

Invicta is the ultimate digital cutting machine of the Valiani products. With its unique features and its **extreme versatility** gives you the ability to make virtually unlimited projects. Invicta guarantees a very high degree of precision matched with a creasing quality almost equal to that of traditional die cutting.

Invicta is also highly demanded in the fashion industry, allowing to cut and draw on textile and paper patterns.



ALL YOU NEED TO START A BUSINESS

Invicta with multiple optional cutting tools, as well as creasing and drawing tools, is ideally suited for cutting a wide range of materials. Our proven mechanical design and easy to use software ensure a quick solution to time-consuming tasks.



COMPACT, VERSATILE AND EASY-TO-USE

Invicta comes in three different sizes, all with vacuum table and pneumatic clamping system, a camera for print cropmark detection and operating software (optional). The sturdy design of the machine allows you to cut precisely and efficiently for any application. A bunch of optional tools are available with a view to its personalization.



CHANGE THE HEADS

The possibility to easily swap one tool with another one enables the user to create the perfect configuration for various cutting requirements.



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

SINGLE
INTERCHANGEABLE
HEAD



Materials

- Folding Cardboard
 - Corrugated Cardboard
 - Vinyl and magnets
 - Reflective films
 - PVC / FOREX / Foam
 - Polymers and rubber
 - Leather and Fabrics
 - Paper Patterns
 - Honeycomb Cardboard
- And a lot more...

Main Applications

- Die-Cutting of Digital and Offset Prints
- Box and Packaging Production
- Photo Albums
- Street and Business Signage
- Offset Varnishing Plates and Blankets
- Architectural and plastic models
- Reflective films / Stickers and Decals / Vinyl
- Motorbike Decals
- Membrane keyboards
- Patterns for Shoes and Fashion Industry



Invicta

is equipped with a vacuum table, divided into vacuum zones to optimise the suction when media is smaller than the working area. The machine may be also provided with a high-resolution optical system for crop marks detection on pre-printed materials.

PRECISION, EASE OF USE AND ENDLESS CREATIVE POSSIBILITIES



Invicta can be customized into different configurations depending on the tools chosen and can cut materials with thicknesses up to **5 mm (3/16")** with tangential cutting tool or **20 mm (3/4")** with oscillating knife. The Oscillating cutting knife* will bring you to the next level. It will cut through many different materials from paper to rigid material or from fabric to leather.

*optional



FEATURES

- **Single-headed** system capable of a tool changeover in less than 10 seconds without any mechanical adjustment
- Invicta may be equipped with a camera for crop marks detection
- High versatility at an affordable price

Invicta Series



Tools available

Invicta can be equipped with all tools compatible with the following tool holders:

• Multifunctional Tool Holder

• Versa-Tool Holder
• Fixed Tool Holder



MTH



VTH



Technical Data

Invicta Series Models	80	120	150
Cutting Size	820x620 mm (32x25")	1220x820 mm (48x32")	1520x1020 mm (60x40")
Speed	500 mm (19.7")/sec		
Acceleration	0.5 m/s ² - 19.7"/s ²		
Power Requirements	Single phase - 200-240V 50/60Hz 10A		
Air requirements	6 Bar/90 PSI (3.5 CFM) 8 BAR/115 PSI (5.3 CFM) with Oscillating Tool		
Tool Change	Manual		
Tools Available	90°, 45°, 40°, Embossing, Creasing, Drawing tool and oscillating tool		
Connectivity	USB 2.0/Bluetooth		
File Format	SVG, .PLT, .DXF, .CF2, .HPGL, .XML		
Cutting Capacity	0.1 > 5 mm (0.19") with Tangential cutting tool 0.1 > 20 mm (0.78") with Oscillating tool		
Media Hold System	Vacuum bed and Pneumatic Clamping System		
Buffer	External PC		
Supported OS	Win 7, 10, 11		
Tools Holder	1 + 1F		
Fixed Tool	Pen (Optional)		
Width	1260 mm (50.4")	1780 mm (70")	2080 mm (82")
Height	1100 mm (43.3")	1100 mm (43.3")	1100 mm (43.3")
Depth	1170 mm (46")	1394 mm (54.8")	1594 mm (62.3")
Weight	190 kg = 419 lbs	290 kg = 640 lbs	320 Kg = 683.4 lbs

