

TECHNICAL DATA FC-500VC / 700VC

Machine type	Digital servo system, flat bed
Media hold down method	Vacuum suction
Max. cutting speed	700 mm/s
Downforce	Tool1: Max.5.88N(600 gf) Tool 2: Max. 5.88 N (600 gf)
Max. work area	480 x 660 mm / 775 x 1060 mm
Mountable media (Y-axis)	640mm / 940mm
Min. cutting size	5 mm ²
Mechanical resolution	0.005 mm (5µm)
Programmable resolution	HP-GL: 0.025 mm
Reproducibility	0,1 mm
Interfaces	USB 2.0 (full speed) / USB-Stick /Ethernet
Memory	32 MB
Command Set	HP-GL
Number of tools	2 tools
Tool types	Ball-bearing drag knife, calibration pen, creasing tool
Control	Backlit graphic, 4.3-inch touch LCD display
Power consumption	Max. 150W (machine), Max.550W (vacuum pump)
Operating environment	Temperature: 10 to 35 degree C (35 to 95 degree F)
Humidity	35 – 75 % RH (not condensing)
Dimensions	981(Y) x 977(X) x 1047(H)mm / 1420(Y) x 1212(X) x 1050(H)mm
Packing dimensions	115 x 110 x 61 cm (machine) 44.5 x 43 x 37 cm (vacuum pump) / 168 x 153 x 61 cm (machine) 78 x 67 x 72 cm (vacuum pump)
Weight	105 kg / 77 kg (machine), 23 / 20 kg (vacuum)
Compatible operating system	Windows and Mac

Contact us for more information



FC-500VC / 700VC Flatbed Cutting Plotter

THE BEST IN DIGITAL FINISHING

The world of digital finishing is constantly evolving and so are the opportunities to profit from advanced technologies. Vulcan's products are setting new standards in digital finishing and, thanks to their excellent price/performance ratio, allow small and medium-sized businesses to acquire highly professional and precise machines.

With the FC-500 VC or 700 VC flatbed plotters, labels and stickers can be cut quickly and in any shape without the need for expensive cutting dies.

The stand-alone machine can be used to produce product labels, warning and type plates in very short runs, as well as individual outer packaging. Highest precision in (contour) cuts or folded edges is the main feature of the Vulcan products. In addition to short to medium runs, design samples can also be produced flexibly and efficiently - because with Vulcan you can work economically from just one piece!

Simple and intuitive to use, Vulcan machines are quick to set up and can be easily operated by untrained personnel.



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The Vulcan FC-500VC and 700VC flatbed cutting plotters are ideal for finishing and contour cutting of technical printed and cuttable materials.

Both the Vulcan FC-500VC and the larger 700VC feature a high-speed, high-resolution camera with intelligent QR code recognition, manual operation via an easy-to-use touch screen display and precise contour cutting of all materials as well as perforating, die-cutting, kiss-cutting and creasing capabilities. All Vulcan machines feature LAN and USB connectivity and hot folder scanning.

SPECIFICATIONS



HIGH RESOLUTION CCD CAMERA

- Saves production time by scanning four marks in less than 3 seconds
- Recognition of 5mm registration marks
- Readable on coloured & transparent materials
- Save material and reduce costs with space-saving registration marks



INTUITIVE TOUCH SCREEN

- Vacuum suction control for stable holding or changing of media
- Easy change of cutting speed
- Exact positioning by setting the origin
- Perfect reproducibility with recut button



PRECISE CUT

- Compensation for pressure or positioning misalignment
- Cutting depth of 1.75 mm (depending on material and blade length)
- Scanning of 4 marks for precise size, tilt and deformation settings



USB INTERFACE

- Direct connection to computer via USB stick, with included lifetime SignCut licence that can be installed on 4 PCs/MACs simultaneously.
- Store PLT data on USB stick or hard drive for use without computer



SIMULTANEOUS CUTTING & CREASING

- Simultaneous cutting and creasing saves time and money
- Cutter cuts along coloured contour lines
- Creasing tool enables tear-free folding or decorative embossing



QR CODE-SYSTEM

- Enables automatic matching of print and cut files
- Simplifies retrieval of desired designs from folders on corporate network



SOPHISTICATED COMMUNICATION

- QR code makes it easy to locate designs in folders on the company network
- Robust communication over long distances
- Multiple units can be controlled from one computer
- Control a Vulcan sheet-fed plotter from multiple computers



SERVICE & SUPPORT

- Free telephone support
- Free remote assistance
- On-site training on request
- Personalised support
- 24 month warranty

START A FIRE WITH VULCAN



The Vulcan FC-500VC/700VC flatbed cutting plotter combines the highest precision, intuitive operation and modern design with first-class quality standards - a machine that is second to none.

Whether you are starting out or upgrading your existing equipment, Vulcan products are universally applicable:

PROCESSABLE MATERIALS



- Paper
- Cardboard / kraft paper
- Foil
- Plastic / PPE up to 0.7 mm
- Foam plastic
- Leather
- Wood veneer
- Balsa wood
- Corrugated board - single ply up to 600g/sqm
- Magnetic foil
- Sealing material
- Sponge rubber
- Cellular rubber

APPLICATION EXAMPLES



- Outer packaging
- Labels
- Stickers
- Hang tags



- Hobby
- Product labels
- Warning and type plates
- Greeting cards



- Stand-up displays
- POS displays
- Model making
- Stencil Art