



# **DIGITAL FLATBED DTF CUTTER** VFC90

**Professional DTF Cutting Solution** 









# The VICUT roll feeding digital flatbed cutter

**PRODUCT PROFILE** 

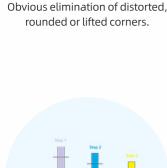
VFC90 designed with conveyor table, grating ruler and 8-levels cutting force settlement, it is mainly used to cut soft medias without cutting dies, it is an efficient solution of full cutting, half cutting, perforating, marking, etc. It works along with DTF printers and heat transfer machine to provide one-stop DTF solution.

## I PET Film for DTF Printer. DTF, direct transfer film, which is a new technology for heat transferdigital offset heat transfer.

Other flexible media thickness from 0.03-1.5mm. Such as reflective films, heat transfer films, Paint Protection Film / PPF, Vehicle Wrap, Window Tint, Vinyl Sticker, Magnet Sticker,

# Sandblast Resist Rubber, Mobile Phone Decoration Film, Multiple

Layer Film, Film for Flexible Circuit, Glass film, PVC film and more. **I** Paper Cards up to 500gsm.



**Advanced Algorithm** 

**Multiple Layers Solution** 

For medias with multiple layers,

different cutting force is applied

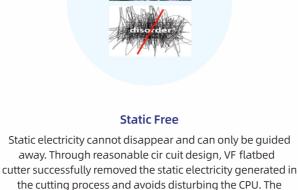
for different layer.

Half Cut / Perforation Cut

Half cut / Perforation cut are

available, every time you may

carry out either one or both.



problem of electrostatic interference is really solved.



**Cutting Force in 8 Step** With our dedicated software, user is enabled to put different colors for different cutting paths, and set the processing sequence as color sequence. This is a important feature for cutting medias with multiple layers, which requires different cutting force in different layer.



**One-click to Clear History** 

One-click deletion button for the

currently print document and

clear it completely from buffer

memory.



Dotted line cutting is available for medias with 2 layers typically and also kinds of paper.

**Dotted Lines Cutting** 



**High Precision** 

VFC flatbed cutter Series is able to

cut small text strings, and i is easy to

tear off the scraps.

**MODEL** 







VFC90

110V/220V,50-60HZ

2200W (including vacuum pump)

1793x1293x1020mm

1600x1400x1240mm

210kg/305kg



Working size on X axis	Non-contour cutting: 735mm; contour cutting: 725mm
Working size on Y axis	Sheet media: 900mm; roll media: whole roll
Max.media width	800 mm
Cut media thickness	0.03mm-1.5mm
Applicable media	Soft and medium rigidity medias
Method to fix media	Vacuum table( 1.1 kw vacuum pump with muffler)
Method to feed media	Conveyor belt & roll media bracket
Max.cutting speed	600mm/s
Max.cutting force	600G/5.8N in 8 steps
Cutting force setup	Adjustable in every 1G
Cutter blade diameter	Ф2.0mm
Cutter blade angles	60°
Dotted lines cutting	included
Drive	AC Servo
Mechanical resolution	0.0125mm
Compatible OS	Win 10/8/7/XP
Memory buffer	2MB
Software	CDR.Plugin/Maintop, Cadlink/Flexi
LCD language	English/Chinese
File format	HP-GL, PLT, DXF, CAM
Port in standard	USB cable, U-Disk
Reg marks detection	CCD Camera
Working tools	1pcs blade holder, 1pcs pen holder, 3pcs cutting blades

The tool carriage adopts the structure of

sports car, using of silent voice coil motor

makes it outstrip it's rivals. The tool carriage

Advanced Tool Carriage

**DETAILS DESCRIPTION** 

Working Voltage

Power consumption

Floor size (W-L-H)

Weight (N.W/G.W)

Packing size (L-W-H)



It is smooth to feed media with the media

## bracket, user may setup the bracket according to media feature and specs. The bracket improves productivity.

Roll feeding device.

Servo Motor / Closed Loop Control Intelligent servos bring out smooth acceleration, big torque, precise cutting / plotting operation, excellent durability and volume production. Servos ensure the vinyl

cutter to run at Max. Speed: 600mm/s.

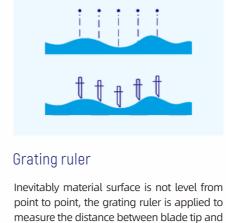
Series Cutter Blades Available

sheeting, thick media or small character

Angle: 60° / Φ2.0mm for reflective film

Angle: 45° / Φ2.0mm for PPF

Angle: 30° / Φ2.0mm for prismatic reflective



material surface, and the cutting depth is

adjusted in every 0.01mm by the controller

accordingly. Then the blade travels up and down as material surface goes to keep the same cutting depth at any position of the tool paths across the entire table. In short, Grating Ruler is of key importance for

Suction cup feeding device

processing.

Several suction cups are installed on

thebeam of the cutter to help drag the media

to the forefront of the machine for convenient

# with CCD Camera. contours in one-click, and it iseasy to add registration marks.CCD camera, used in

consistent cutting depth.

to detect the intricate dieless contours fast and more efficiently. Problems caused by position error of human, poorquality printing are resolved. CCD camera is applied for wide varieties of medias.

combination with related software is applied



Strong air flow to hold down the media flatly

and tightly against the table top so that the tool carriage can perform fast, accurate

cutting / plotting. With stable quality vacuum

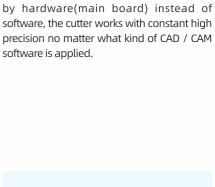
blower, continually working more than 24

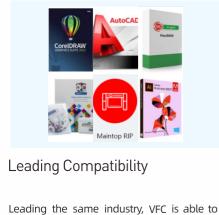
hours without overheating issues.

Vacuum System

### Fast Registration Marks Detection Segmented Area Cutting Operation Additional registration marks are available With dedicated software, it is ableto generate for more precise axis alignment. Contour

Auto Feeding Conveyor System. Conveyor is able to accomplish long seamless cutting / plotting. With the combination of CCD camera, fast and accurate nesting / contour cutting is performed.





# Loading 100%

already compatible to this system.

adapt to the latest version of popular CAD /

CAM software, such as AutoCAD, Adobe

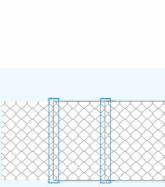
Illustrator, Coreldraw, Flexisign, CADLINK

Various pattern software in automotive

aftermarket like 3M™ Pattern and Solutions

Center (PSC), Core by LLUMAR, INTEGO are

One-click to Load Print Driver



Intelligent Bleeding for Easier

Intelligent Bleeding function makes overlap

operation easier for the installers, this

feature is very important for making and

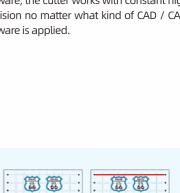
installation of big signs / indicators.

Overlap Operation.

# WON

NMB

**BANDO** Quality Components.



Contour Cutting ally on Each Se

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# Clean Smooth Edge Quality

The grating ruler and correspondent cutting

force management deliver clean smooth

edge quality, even for the most complex

jobs. Pealing off the cutting piece/waste material easily can cut down workload greatly for the users. Advanced algorithm eliminates the distorted, rounded and lifted

corners obviously.

Usb Memory /

volume production.

cutting is performed sequentially in each

segmented area, which improves accuracy

and tracking for heavier media or media that

has been laminated.

### **Duplicate Cutting Jobs Offline** Knowing exactly what trouble the users and what they want, we design the cutter to fix those practical headaches. With our machine, users are enabled to duplicate the cutting jobs offline, which is much convenient than doing that with connecting to PC by USB cord. The function of duplicating cutting jobs with USB memory is a leading technology that developed by our-

self. This feature is important for efficient





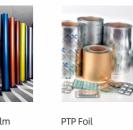
**WORKING SAMPLES** 

Fine Cutter Holder

cutting thick, sticky medias.



DTF\_PET Film



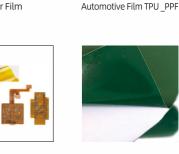
PE\_POF Film



PP Film









0.5-3mm Rubber



Website

Screen protection film Glass film Film for Flexible Circuit

PVC Film







Heat Transfer film Reflective film WILLIAM CNC TECHNOLOGY CO., LTD. Operational Address Telephone +86-551-65774134