# VICUT

# DUAL HEADS ROLL FEEDING DIGITAL FLATBED CUTTING MACHINE

## VFR90D/VFR1312D
## VFR1612D/VFR1325D

## PRODUCT PROFILE

The VICUT VFR-D series auto feeding digital flatbed cutter with dual heads,by using mechanical methods to control the operation of different cutting heads, it is more convenient to perform full and half cutting operations on the same file.Greater pressure control makes cutting thick materials easier, it is an efficient solution for Traffic Safety Signs, Automotive Aftermarket, Packaging Industry, Die Cutting Industry, and other Graphic Signs, etc.

## APPLICATION

### Suitable materials:

Reflective films,heat transfer films, Paint Protection Film/PPF,Vehicle Wrap,Window Tint,Vinyl Sticker, Heat transfer vinyl, Magnet Sticker, Sandblast Resist Rubber,Glass film, PVC, PET, Card Paper up to 500GSM;

### Suitable Field:

Automotive aftermarket, vehicle decoration, traffic safety signs industry, sign makers, packaging, apparel signing, shoes designing, bags designing, composite industry, offset printing, samples making, POP displays, and more.

# MAIN FEATURES

### Dual Cutting heads

According to the file settings, the dual head automatic switching achieves half cutting and full cutting, making the operation convenient.

### Cut thicker materials

Z-axis adopts a mechanical hanging plate structure to achieve independent control of dual head pressure, resulting in greater cutting pressure and the ability to cut 500GSM thick cardboard with one cut.

### Static Electricity Free

Static interference is a big headache to cutters, while that is not the case with vicut, as we eliminate it and have tested that year-round in different weathers.

### Follow-up blade ensure cutting accuracy

Even if the material is uneven, accurate depth cutting can be carried out.

### Advanced Algorithm

Obvious elimination of distorted, rounded or lifted corners.

### No need overcut

On every cutting path, the start point and end point coincide accurately, while no need any OVERCUT.

### One-click to Clear History

One-click deletion button for the currently print document and clear it completely from buffer memory.

### Wider Cutting Applications

Half cut, Perforation cut, Full Cut, Creasing. You can choose any one of these processing methods or a combination of any two of them.

### Handshake Protocol

We supply Software Development Kit / SDK to match with client's software, which deepen cooperation between Gunner and Professional clients.

## Software Compatibility

It has achieved integration and communication with mainstream software in different industries, such as Cadlink, Flexsi, RIIN, SignCut Pro, etc.

CDR | CAD | SIGNCUT | RIIN | SAi Flexi

# DETAILS DESCRIPTION

### Dual Cutting Heads

Mechanical control method to guide the dual heads movement, ensure large cutting force for processing thicker materials, follow-up blade also ensures cutting depth accuracy.

### Suction cup feeding device

Several suction cups are installed on the beam of the cutter to help drag the media to the forefront of the machine for convenient processing.
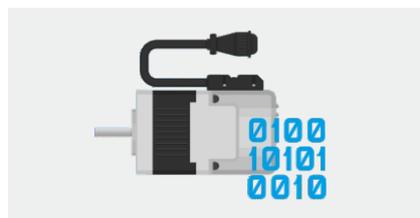
### Vacuum System

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.
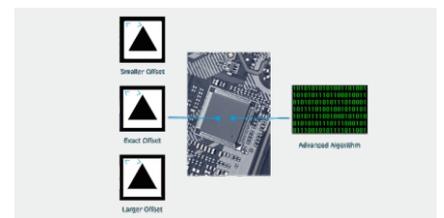
### Oriented Roll Media Bracket

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.
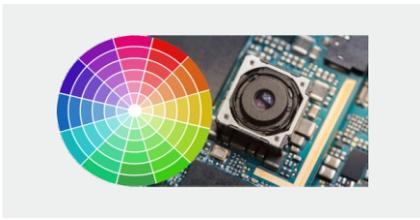
### Servo Motor / Closed Loop Control

Cutting / Plotting will be stopped when tool carriage is overloading, it is an important safety feature to protect tool carriage when media is jammed. Servos also bring out smooth acceleration, big torque, precise cutting / plotting and excellent durability.

### Making Blade-tip Compensation by Hardware

Our system makes blade-tip compensation by hardware(main board) instead of software, the cutter works with constant high precision no matter what kind of CAD / CAM software is applied.

## Fast Registration Marks Detection with CCD Camera

CCD camera detects the intricate dieless contours fast and more efficiently. Problems caused by position error of human, poor quality printing are resolved. CCD camera is applied for wide varieties of medias.
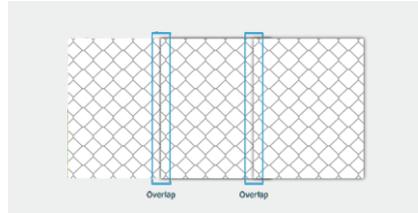
## Clean Smooth Edge Quality.

Accurate control of high cutting pressure can ensure smooth and perfect cutting actions, deliver clean smooth edge quality, even for the most complex jobs. It is easy to peal off the waste material, which cut down workload greatly for the users.
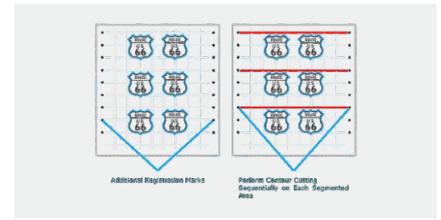
## Quality Components

For outstanding performance and long-term reliable working, we only use world class brand name components like BANDO belt,NMB bearing, Ultra-silence Guides made by WON Korea, etc.
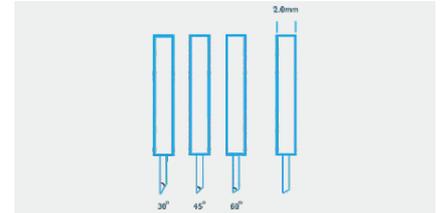
## Intelligent Bleeding for Easier Overlap Operation

Intelligent bleeding function makes overlap operation easier for the installers, this feature is very important for making and installation of big signs / indicators.

## Segmented Area Cutting Operation

Additional marks are available for more precise axis alignment.Contour cutting is performed sequentially in each segmented area, which improves accuracy and tracking for heavier media or media that has been laminated.
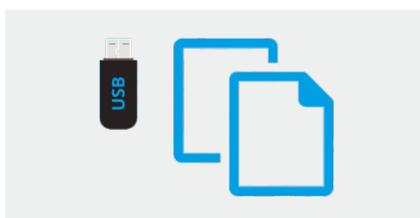
## Series Cutter Blades Available

Angle: 60°/ Φ2.0mm for reflective film
Angle: 45° / Φ2.0mm for PPF

## Compatible with Mainstream Software

Leading the same industry, we make software by ourself, we are able to adapt our system to the latest version of popular CAD / CAM software, such as AutoCAD, Coreldraw, CADLINK, Flexi, RIIN, etc.

## Usb Memory / Duplicate Cutting Jobs Offline

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 volume production.

# TECHNICAL PARAMETERS

| MODEL | VFR90D | VFR1312D | VFR1612D | VFR1325D |
|---|---|---|---|---|
| X axis working size (non-contour cut) | 735mm | 1300mm | 1600mm | 1300mm |
| X axis working size (contour cut) | 725mm | 1270mm | 1520mm | 1270mm |
| Y axis working size(sheet) | 900mm | 1250mm | 1250mm | 2500mm |
| Max. media width | 800mm | 1469mm | 1689mm | 1469mm |
| Max.media thickness | 1.5mm | | | |
| Applicable media | Soft and medium rigidity medias (Reflective films, PET, PVC, Magnetic stickers, Vinyl stickers, Paper cards, etc.) | | | |
| Method to fix media | Vacuum inhaling table | | | |
| Max.cutting speed | 800mm/s | | | |
| No. of Heads | Two heads | | | |
| Process methods | half cut, full cut, perforate, creasing(optional) | | | |
| Cutter blade diameter | Φ2.0mm | | | |
| Cutter blade angles | 30˚, 45˚,60˚ | | | |
| Drive | AC Servos | | | |
| Mechanical resolution | 0.0125mm | | | |
| Compatible OS | Win 10/8/7/XP | | | |
| Memory buffer | 2MB | | | |
| Software | CorelDRAW Plugin | | | |
| LCD language | English/Chinese | | | |
| File format | HP-GL, PLT | | | |
| Port in standard | USB, RS-232 | | | |
| Reg marks detection | CCD Camera | | | |
| Reg marks type | Dot marks | | | |
| Power input | 220V/50-60HZ | | | |
| Standard tools | 2pcs blade holder, 1pcs pen holder, 3pcs cutting blades | | | |
| Media bracket | included | | | |
| Power consumption | | 3.2kw | 3.2kw | 7.5kw |
| Floow size(W-L) | 1.3x1.8m | 1.9x2.2m | 2.1x2.4m | 1.9x3.4mm |
| Packing size(L-W-H) | 1.6x1.4x1.22m | 1.95x2.1x1.22m | 2.16x2.1x1.22m | 3.12x1.95x1.22m |
| Weight | 210/305kg | 240kg/320kg | 260kg/340kg | 680kg/760kg |

# SAMPLE DISPLAY

| | | |
|---|---|---|
| Reflective Sheeting | Pre-printed Reflective Sheeting | Vehicle Wrap |
| Window Tint | Vinyl Sticker | PVC With Thickness 0.03-0.75mm |
| PET With Thickness 0.03-0.30mm | Card Paper With GSM ≤500G | Sandblast Resist Rubber |
| Magnet Sticker | Heat Transfer Vinyl | PTP Blister Lid Foil |

# OUR PHILOSOPHY

**01**
Adhering to the "integrity, sharing, win-win" cooperation concept.

**02**
Grow together with agents, implement the unified price rules, strictly regulate the sales channels, and provide necessary resource support and regional protection.

**03**
Focus on user needs, explore product applications, optimize product functions, and truly help users improve efficiency and create revenue.

# OUR SERVICE

All-round technical support & solutions offered within 8 hours & remote and on-site training & available user manual and operation video.

Pre-sales consulting,lifetime technical support after sales,online/site maintenance is available.One year warranty for whole machine(consumables excluded).

Type of payment:TT & Paypal & Western Union & L/C & Alipay with Trade Insurance

Strict QC system during production process. Pre-sales site-check & QC check before delivery is acceptable

# OUR CERTIFICATE

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