

# VICUT



## HIGH SPEED SERVO ARMS VINYL CUTTER

CCD Camera Registration

**RC-490/RC-720**  
**RC-1400/RC-1600**

### PRODUCT PROFILE

The VICUT RC series vinyl cutting plotter was special designed for users who require working with large plots and processing large quantities in professional quality, without sacrificing cutting speed.

- High speed CCD camera positing system, accurately reads the 4 mark points within 4 seconds on an SRA3 sheet.
- The control system adopts advanced algorithms to ensure the maximum balance between speed and accuracy.
- The servo drives provides more stability and cutting precision.
- The tool drop point and the start point shall be smoothly connected without burrs.
- With advanced configuration, fast cutting speed, high precision and reasonable price, RC series vinyl cutter is becoming one of the most cost-effective in the market.

### APPLICATION

#### Signmaking applications

Every company needs to advertise for itself, but advertising is often far too expensive for small to medium-sized businesses. The vinyl cutter can offer relief. The vinyl cutter is the central device in a company to use in advertising. It doesn't only save a large amount of money, but also provides plenty of room to develop your own creativity and ideas. With a vinyl cutter, you can, for example, advertise in the following ways, quickly and easily:

- Corporate signmaking
- Corporate vehicle signage
- Design of the shop window advertising
- Creating banners and stadium advertising at events
- Design of the premises of the Company (Room label, signs, screening applications, design elements)
- Production of stickers and labels as so-called Print&Cut applications - first you print on eg. sign vinyl, then contour-cut with the vinyl cutter.

#### Home applications

Anyone who wants to individually create his personal environment will find a vinyl cutter to be the right tool. With these machines, many different creative ideas can be realized like this selection shows.

- Customized wall tattoo
- Create kitchen surfaces

#### Hobby applications in the fields of decoration, model making, etc.

- Create templates for painting colorful wall design including banners, ornaments, and children's artwork.
- Individual design of garments like t-shirts, jackets, sweat shirts etc. with flock or flex film.

## MAIN FEATURES



### Plug and play

Simple installation, no additional driver necessary



### Multiple file transfer modes

Supports three methods of file transmission, U-disk, network interface and USB cable.



### Servo drives

Silent, precise and powerful servo drivers for best cutting results.



### High precision

Able to cut small fonts and letters.



### Easy menu navigation

Comfortable control panel with illuminated LCD -display and large buttons.



### High speed

Maximum cutting speed 1200mm/s.



### Long length tracking

Straight tracking to 3m/118 inch without offset, which makes processing long images easy and fast.



### High resolution CCD Camera registration

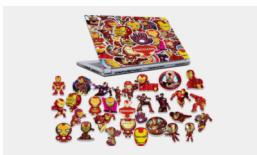
It can accurately detect 5mm black mark points on materials of different colors, and it only takes 4-6 seconds to read 4 mark points.



### Work with both Windows & Mac OS

Match with Signmaster and Signcut Pro S/W, provides more options to users according to their user habit. Signcut S/W is able to work on Mac OS.

## SAMPLE DISPLAY



DIY sticker



Heatpress design



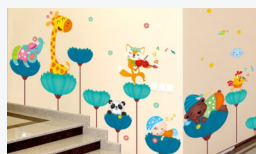
Label signs



Papercut



Tattoo



Wall stickers

## TECHNICAL PARAMETERS

ITEM	RC-490	RC-720	RC-1400	RC-1600
Structure	Desktop	With stand	With stand	With stand
Max. media width	490mm	720mm	1400mm	1580mm
Max. cutting width (blank cutting)	400mm	630mm	1310mm	1550mm
Max. cutting width (contour cutting)	350mm	580mm	1260mm	1500mm
NO. of pressure roller	4PCS	5PCS	6PCS	8PCS
Cutting accuracy	+/- 0.02mm			
Cutting speed	10 to 1200mm/s			
File transfer mode	USB/Network/U-Disk			
Positioning system	High resolution CCD Camera			
Registration marks	multiple black dot marks			
Software	Mufti-language Signmaster, Signcut Pro.			
Feeding system	Pull shaft feeding structure, simple & time-saving			
Drive mode	Servo			
Motor power	25watt			
Max. force	500G			
Mechanical resolution	0.0245mm			
Repeating precision	0.127mm			
Power consumption	< 100W			
Working voltage	100V-240V, 50hz/60hz			
Ambient temperature	+5°C ~+ 35°C			
G.W./N.W.	17/14.5kgs	33.7/29kgs	46.3/41.5kgs	53/48kgs
Packing Size	800 x 340 x 390mm (0.11CBM)	1030 x 340 x 485mm (0.17CBM)	1710 x 340 x 485mm (0.28CBM)	1990 x 360 x 490mm (0.28CBM)

# DETAILS DESCRIPTION



## Multiple interface

There are three methods of file transmission, U-disk, network interface and USB cable. U-disk provides convenient offline working, network interface allows plotter connecting with LAN, so that one computer can handle several machines simultaneously, and USB cable is very useful for online connecting when users' computer only equipped with USB interface.



## Control panel

User-friendly control panel with English display screen, the back-lit LCD and large gel buttons ensure simple and comfortable usability.



## Paper feeding system

Auto feeding system, easy to feed the roll material, smooth and fast.



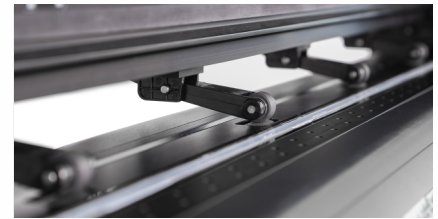
## Moving carriage

Steel frame with linear bearing, it is with more cutting pressure which is adjustable easily, and it is good in heat dispersion. With built-in high resolution CCD camera, it can scan the multiple mark points automatically to realize contour cutting function.



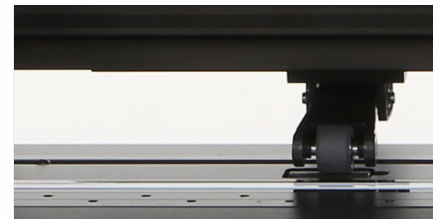
## Paper pressing device

There is a row of paper pressing devices behind the plotter beam. During the working process, these paper presses can well fix the materials, ensure that the materials move within the fixed range and reduce the offset.



## Steel thorn and pressure roller

The plotter equipped with steel thorn which can fix media effectively to avoid any sliding and ensure the feeding precision. There are several pressure rollers on up side of beam, the distance between each roller can be adjusted to fit for different size media. These high precision imported rollers, assures no offset feeding long distance.



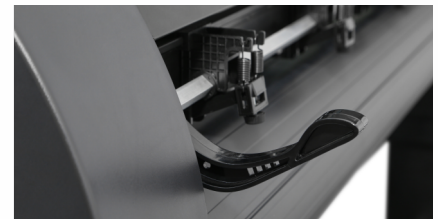
## Suction holes

With many suction holes on the cutter working table, material can be fixed tightly, avoid bulging of materials during processing.



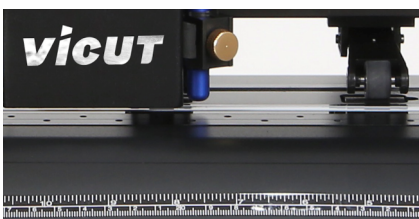
## Catch-up basket

The machine equipped with a set of catch-up basket including 2pcs holding rollers and one piece of high quality nylon cloth bag, save space while keeping materials clean and tidy.



## Press bar

After loading the material, pull down the handle to press the material, so that the material can be fixed during the paper feeding process and reduce the offset.



## Graduation

The graduations are marked on the paper feeding side of the working platform. So that the material size can be easily measured and adjusted when feeding the material.



## Network interface

- A. Stable communication over long distance.
- B. Control one plotter from multiple computers.
- C. Control different plotters from one computer.



## Switch on button & power interface

Switch on and off easily with a press button after connecting the power cable with plotter. We offer various worldwide standard power plug. The voltage is also can be customized due to customer needs.



## Signmaster software

SignMaster BASIC+ARMS (CUT+ARMS) is for simple vinyl cutting and allows you to produce vinyl lettering, logos and pinstripping. SignMaster CUT+ARMS comes with a basic set of text, curve and object tools and fully supports ARMS for contour cutting.



## SignCut Pro2 software

RC cutter plotter also support working with popular software SignCut PRO2, users can input AI or CDR. File directly to SignCut and deliver the cutting actions easily. SignCut Pro2 S/W. also support Windows and Mac OS. More choices for users.



## PACKING PHOTOS



## PACKING LIST



## SERVICE

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.

## WHY CHOOSE US



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



1 years warranty & lifetime maintenance (replace parts for free except regular consumables and the damage by man-made irregular operating).



Type of payment: TT & Paypal & Western Union & L/C



Strict QC system during production process.

## OUR CERTIFICATE



WILLIAM CNC TECHNOLOGY CO., LTD.



Website  
www.vicutdigitalcutter.com



Telephone  
+86-551-65774134



Operational Address  
Room 306 Block B, Huadi Financial Center Office Building,  
Shushan District, Hefei, China.

