

# VICUT



## HIGH-END CUTTING PLOTTER

### GR8000 SERIES

Grating ruler  
Static electricity free  
8 steps cutting force  
7M/23ft stable accurate tracking

### PRODUCT PROFILE

VICUT GR8000 Series of high performance cutting plotter offers advanced solution for users from automotive aftermarket, road safety, sign, graphic and counter-top installation. It is capable of processing paint protection film (PPF), window tinting, diamond grade reflective film, sandblast resist rubber, card paper, self-adhesive vinyl, Amberlith and Rubylith, etc.

### SAMPLE DISPLAY



Paint Protection Film/ppf



Car Wrap Vinyl



Heat Transfer Material



Photo Paper



Sand Blast Film



Pre-printed Labels

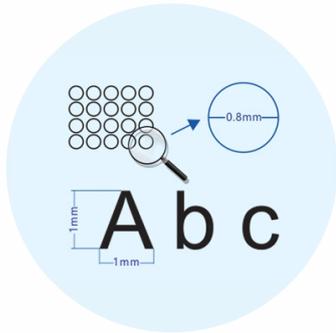


Road & Traffic Signs



Wall Decals

# PRODUCT FEATURES



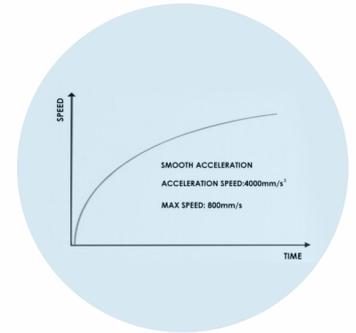
## High Precision

The GR8000 series is able to cut small text strings, and it is easy to tear off the scraps.



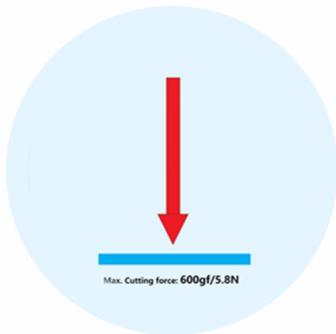
## Stable Accurate Tracking Reach to 7Meters/23FT

Leading of most competitors, GR8000 series vinyl cutter is able to do stable long size tracking for 7 meters/23ft, which is a very important feature of high-level processing, it is ideal for making big signs, patterns, etc.



## Fast Speed

Maximum speed reach to 800mm/s, acceleration speed 4000mm/s.



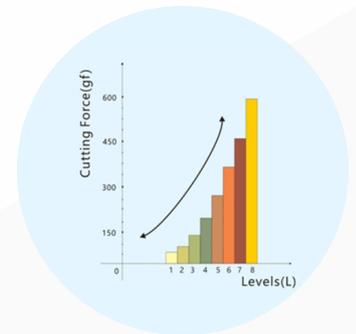
## Big Cutting Force

Max. cutting force: 600gf / 5.8N. It is capable of processing thick materials.



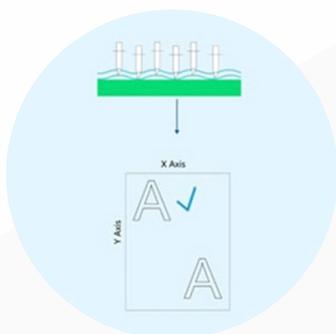
## Static Electricity Free

The static interference is a headache for cutter plotters. The GR8000 series cutter eliminates the static interference successfully and having been tested year-round in different weather conditions.



## Cutting Force In 8 Steps

Color the cutting paths differently to put different force steps, set the processing sequence with color sequence.



## Automatic Leveling

Grating ruler is able to do leveling automatically during cutting, so that the plotter is able to cut the media accurately even from uneven cutting table.



## Leading Compatibility

Leading the same industry, GR8000 is able to adapt to the latest version of popular CAD/CAM software, such as AUTOCAD, Adobe Illustrator, Coreldraw, Flexisign, SignCut. Various pattern software in automotive aftermarket like 3M Pattern and Solutions Center (PSC), Core by LLUMAR, INTEGO are already compatible with GR8000 system.



## No Need Overcut

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

## TECHNICAL PARAMETERS

MODEL	GR8000-80	GR8000-140	GR8000-180
Max Cutting Width (Non-contour Cutting)	690mm	1290mm	1630mm
Max Cutting Width (Contour Cutting)	600mm	1220mm	1520mm
Max mountable media width	840mm	1440mm	1780mm
Min mountable media width	70mm		
Maxcutting speed	800mm/s		
Maxcutting force	600gf/5.8N in 8 steps		
Cutting force setup	Adjustable in every 1gf		
Drive	Servo		
Mechanical resolution	0.0125mm		
Min circle diameter	0.8mm		
Min. character size	1×1mm		
Min number size	3×3mm		
IOS	Win10/8/7/XP		
Memory buffer	2MB		
Software	Windows Driver,Sianworkpro,CADtoPlot pro		
LCD	English/ Chinese		
File format	HP-GL,PLT		
Port in standard	USB,RS-232		
Registration marks sensing	Red light sensor (CCD camera is optional)		
Power Input	90V-240VAC,50-60H		
Power consumption	60W		
Cutter holder/pen holder	1 for each		
Cutter blade diameters	2.0mm		
Cutter blade angles	30°,45°,60°		
Types of pen	Water based fiber-tip pen & Oil based ball pen		
Method to fix material	Push rollers		
Media stock roller plates	Included		
Basket	For option		
Package size L-W-H	1180×400×570mm	1710×400×570mm	2200×400×570mm
Gross/Net weight	42/27kg	96/62kg	105/72kg

## TOOLS & ACCESSORIES



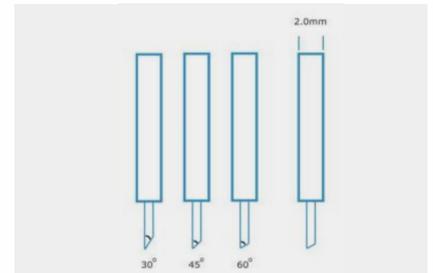
### Fine Blade Holder

This precision engineered components sits in the advanced carriage and holds the cutting blade of choice. The tool is manually adjustable to obtain the desired amount of "blade out" for the job in hand.



### Calibration Tool

Used at set up and then periodically, to calibrate the cutter.



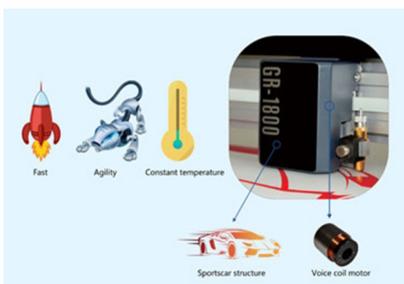
### Cutting Blades

Angle 30° for prismatic reflective sheeting, thick media or small character.

Angle 60° for reflective film.

Angle 45°/Ø2.0mm for PPF.

## DETAILS DESCRIPTION



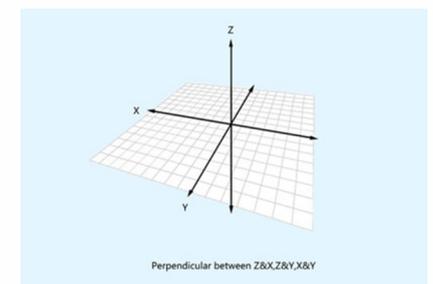
### Advanced Tool Carriage

Taking the sport car structure, driven by silent voice coil motor, GR8000's tool carriage is featured as fast, more agility and no overheat for long-term non-stop operation.



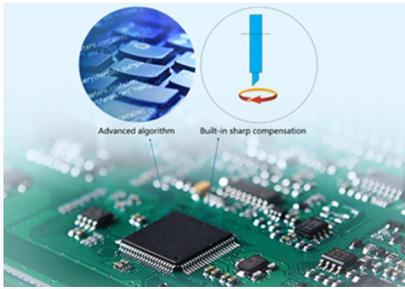
### Accurate Rigid Push Rollers

Combination of accurate push rollers, precise feeding rollers and quality bracket ensure long stable linear tracking of media.



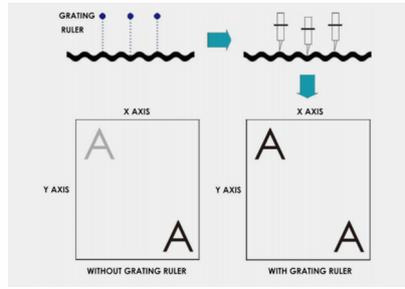
### Leading Calibration

Industry leading technology is applied to calibrate the perpendicular between different axes and the parallelism between gantry and cut table.



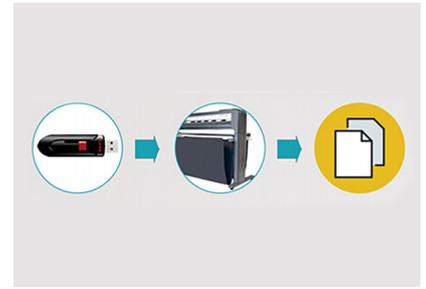
### Controller

GR8000 controller runs with advanced algorithm, easy to upgrade and custom-made for different applications for future as we own it. Unlike the other, our system makes blade-tip compensation by hardware (main board) instead of software, our machine works at sustainable high precision no matter what kind of computer system or CAD/CAM software is taken.



### Grating Ruler

It is inevitable that the cut table or material surface is not at the same height from point to point, we take Grating Ruler, a precise optical device, to measure the distance between blade tip and material surface in real time, and the cutting depth is adjusted in every 0.01mm by the controller in real time according to the value of distances measured. Subsequently, the blade travels up and down as material surface goes up and down in order to keep the same cutting depth at any position of that tool path across entire working size. In short, the cutting depth is consistent, you will not see different shades.



### Usb Memory/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 volume production.



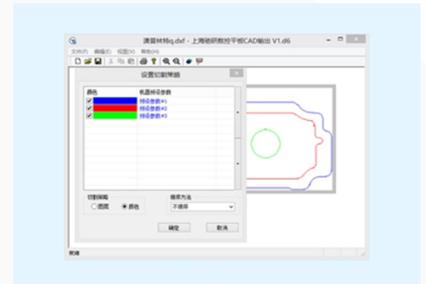
### Suction Cutting Table

Dense air inlets & strong air flow to hold down the media flatly and tightly against the table top so that the tool carriage can perform fast and accurate cutting/plotting.



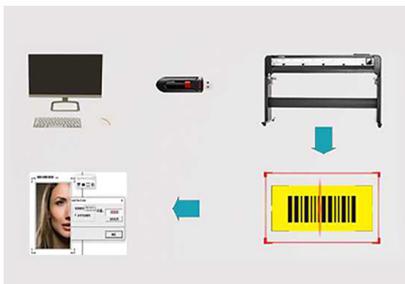
### Clean Smooth Edge Quality

The machining surface is smooth and clean with the help of Grating Ruler and correspondent cutting force management. It is very easy to peel off the waste material, which cut down workload greatly for the users.



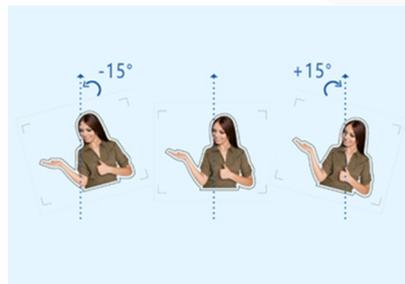
### Cad Output Center

For medias with multiple layers, for example, 3 or more layers, people may set different cutting forces for different layers, or they may perform half /full cutting, in such cases, it is convenient to design with CAD and send cutting job by CAD Output Center.



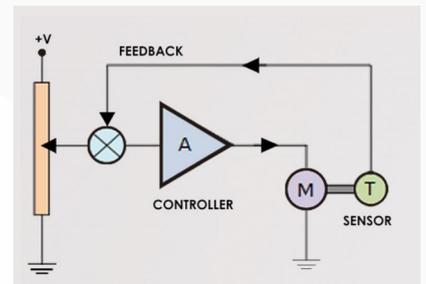
### Automatic Data Retrieving with Bar-code

One click to find the cutting job from those saved in the USB memory by scanning the printed Bar-code, while no need to connect with PC. Multiple jobs are processed automatically while production errors are eliminated.



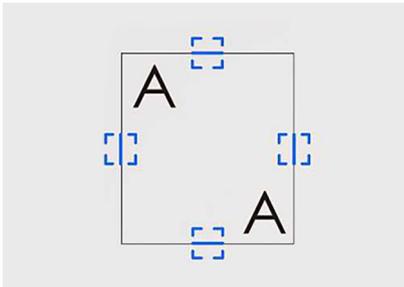
### Intelligent Error Correction

If material is placed inclined ( $\pm 15^\circ$ ), our system is still able to read registration marks, so it is unnecessary to put materials always in 100% correct position, this feature helps a lot to save time.



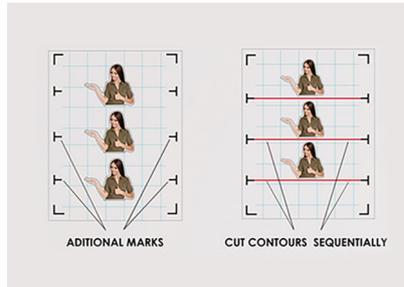
### Servo Motor/closed-loop Control

Cutting/plotting will stop when the carriage is overloaded. It is an important safety feature to protect tool carriage when media is jammed. Servos bring out smooth acceleration, big torque, precise cutting / plotting and excellent durability.



### Media Sensor (Optional)

It is applied to measure the size of media, the cutting / plotting operation won't be carried out if media size is not big enough for the contents, and controller will ask operator to enlarge the media or decrease the size of contents. Media sensor helps greatly in saving media and increasing efficiency.



### 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.



### Signworkpro

A plugin software which is special developed for GR8000 series cutting plotter, is compatible with CorelDRAW and Adobe Illustrator.

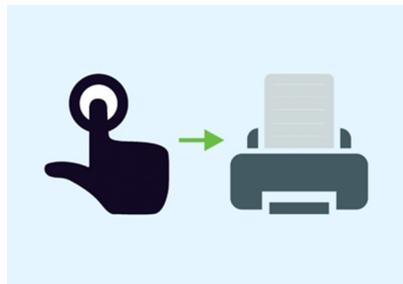
When the SignWorkPro is embedded, the PC is able to recognize the cutter by itself via USB cord, operator will not asked to setup any parameter. SignWorkPro bridges the PC and cutter seamlessly.

We are able to supply diverse programs for different CAD/CAM software as require.



### Handshake Protocol

We supply Software Development Kit / SDK to match with client's software, which let the cutter work with specified software only.



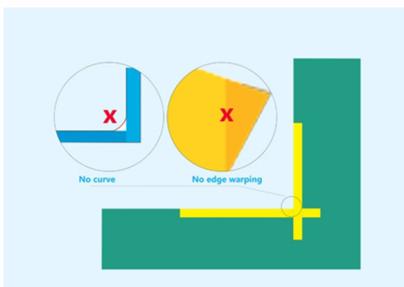
### One click to load print driver

One-click to install print driver and printout with USB, send cutting job from any CAD software that with printer feature. Our print driver works with Windows 32 / 64 bit.



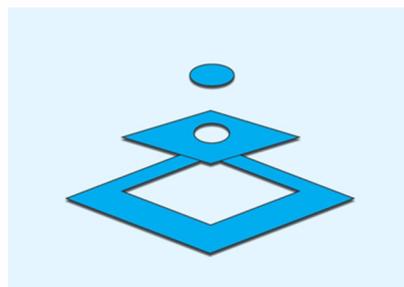
### Top Class Components

For more outstanding performance and long-term reliable working, we only use top class brand name components such as BANDO belt, MINEBEA bearing, etc.



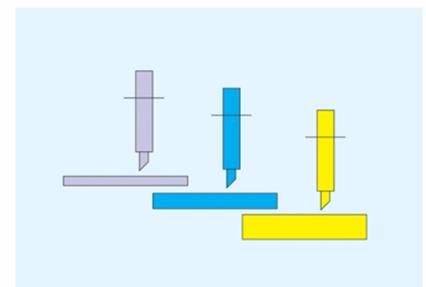
### Advanced Algorithm

Obvious elimination of distorted, rounded or lifted corners.



### Half Cut/perforate

Half cut / Perforation cut are available, each time you may carry out either one or both.



### Multiple Layers Solution

For medias with multiple layers, different cutting force is applied for different layer.



### Two Pressure Levels

Push rollers with two pressure levels, flexible to set pressure according to media features.



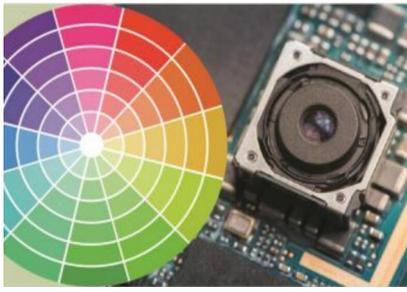
### One-click Clear History

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



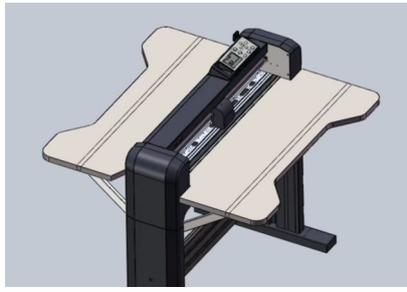
### DXF Direct Output

Unnecessary to do any format conversion, GR8000 is compatible with .DXF file directly.



### Registration Marking System with CCD Camera (Optional)

CCD camera detects the intricate die-less contours efficiently, problems caused by position error of human, poor quality printing issues are resolved. CCD camera is applied for wider variety of colors.



### Cutting Table For Sheets (Optional)

## PACKING PHOTOS



## 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.



One year 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



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