

GUNNER®
www.tubaocnc.com

GUNNER Shanghai is committed to producing high performance vinyl cutters, GUNNER owns advanced computerized numerical controller, industry leading software, and GUNNER is capable of manufacturing high quality core components. GUNNER establishes enterprise with integrity and creates greater value for clients with advanced technology.

We offer series special-purpose solutions for cutting reflective sheeting, they are more suitable, durable, effective and more economy to road & traffic sign industry. These features have been praised by users in and out of China.

***Series Cutting Solutions
for Reflective Sheeting***



Auto Feeding CNC Flatbed Cutter

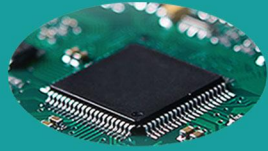


Roll Feed Vinyl Cutter

Auto Feeding CNC Flatbed Cutter

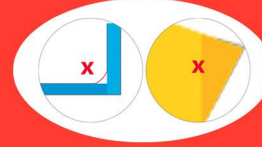


Make Blade-tip
Compensation with Chip



01

Free From Distorted,
Rounded or Lifted Corners



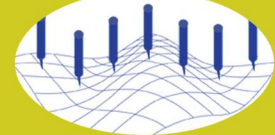
02

Compatible with
Many CAD/CAM Software



08

Grating Ruler
Floating Processing



03

NO Need Over-cut
& Easy Weed



07



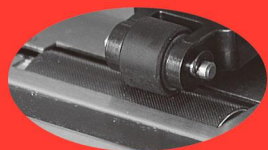
GR8000F-140
FOR REFLECTIVE SHEETING

04

Voice Coil Motor
Clever & Powerful



Precision Push Roller
& Special Purpose Grit-roller



06

05

Half Cut & Perforation Cut
8 Steps of Cutting Force for Multi-layers



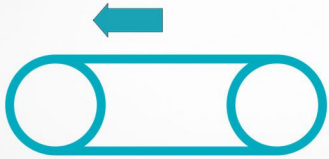


GR8000F

ROLL FEED VINYL CUTTER FOR REFLECTIVE SHEETING

GR8000F Series high-performance Vinyl Cutter is dedicated to cut reflective sheetings by 3M (Diamond Grade, High Intensity Prismatic Reflective Sheeting, Engineer Grade), T11500 series from Avery Dennison, Oralite, and more. Main features of GR8000F: Reliable long-time operation; Fluctuating high cutting force tool carriage for consistent cutting depth; High speed and precision; Compatible with diverse software, worry free operation, etc. The GR8000F is mainly applied to Road and Traffic Sign Industry with high efficiency massive production capacity, and it is trusted by professional users in and out of China.

Model	GR8000F-140	Model	GR8000F-140
Max.Cutting Width	1290mm (Non-contour Cutting) 1220mm (Contour Cutting)	Memory Buffer	2MB
Max. Mountable Media Width	1440mm	Software	Windows Driver , SignWorkPro , CADtoPlotpro
Min. Mountable Media Width	70mm	LCD	English
Number of Push Rollers	5 rollers	File Format	HP-GL , PLT
Max.Media Thickness	1mm	Port in Standard	USB , RS-232
Max. Cutting Speed	800mm / s	Dotted Line Cutting	Included
Max. Cutting Force	600G / 5.8N in 8 steps	Registration Marks Sensor	GARMS
Cutting Force Setup	Adjustable in every 1G	Power Input	90V-240V AC , 50-60Hz
Dotted Lines Cutting	Included	Power Consumption	120w
Drive of X , Y Axis	Servo	Number of Cutter Holder	1 piece
Drive of Z Axis	High speed voice coil motor	Cutter Blade Diameter	2.0mm
Mechanical Resolution	0.0125mm	Cutter Blade Angle	60°
Min. Character Size	3x3mm	Media Bracket	Included
Min. Number Size	3x3mm	Cloth Basket	Included
Compatible OS	Win10 / 8 / 7 / XP	Package Size L-W-H	1710 x 400 x 570mm
		Gross / Net Weight	96 / 62kg



Auto Feeding System

The system is able to accomplish long seamless cutting / plotting. With the combination of CCD camera, fast and accurate nesting / contour cutting is performed.



CCD Camera

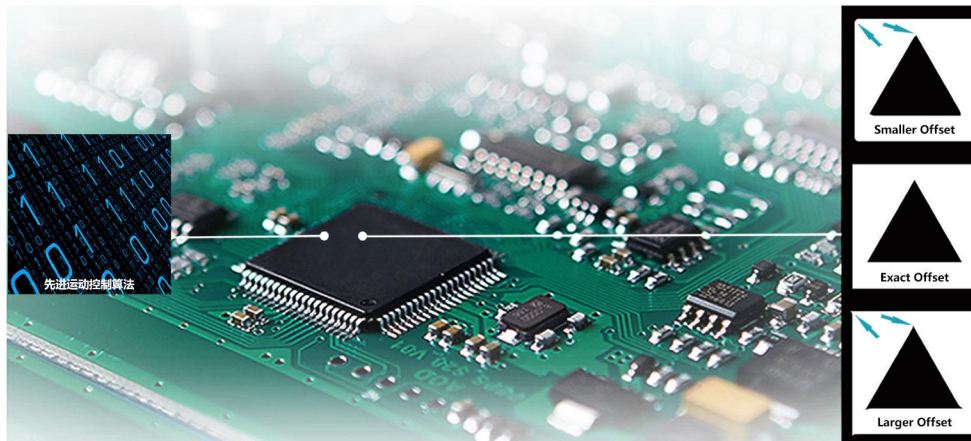
GUNNER' s software is able to generate contours in one-click, and add registration marks. CCD camera is applied to detect the intricate dieless contours efficiently. Problems caused by positioning error of human, poor quality printing are resolved.

CCD camera is applicable for different colours of reflective sheeting.



GR1612F

**AUTO FEEDING
CNC FLATBED CUTTER
FOR REFLECTIVE SHEETING**

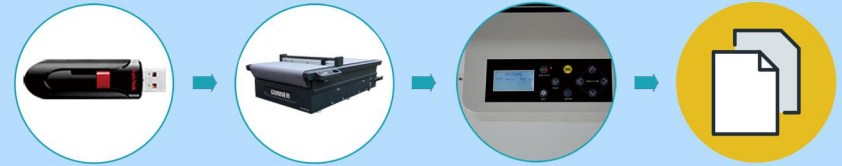


Making Blade-tip Compensation with Hardware

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



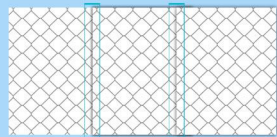
GR1325F



Send Cutting Job with USB Cutting Job is recognized Duplicate Cutting Job Offline

Duplicate Cutting Job Offline

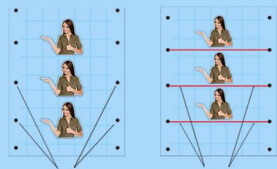
Knowing exactly what troubles the users and what they want, we design the cutter to fix those practical headaches. With our machine, users are enabled to duplicate the cutting jobs offline, which is much convenient than doing that with connecting to PC by USB cord. The function of duplicating cutting jobs with USB memory is a leading technology that developed by our-self. This feature is important for efficient volume production.



Overlap Overlap

Intelligent Bleeding for Overlap

Intelligent Bleeding makes overlap operation easier, the feature is important for making and installing big road & traffic signs / indicators.



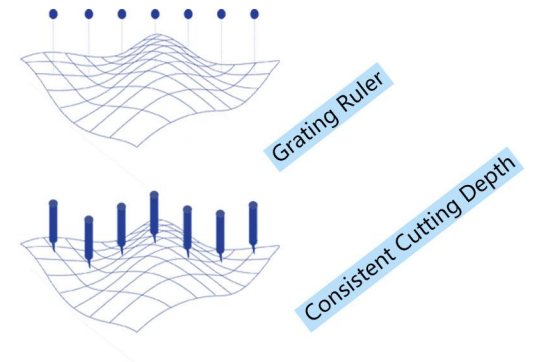
Additional Marks Cut Contours Sequentially

Segmented Area Cutting Operation

Additional Registration Marks are available for more precise axis alignment. Contour cutting is performed sequentially in each segmented area, which improves accuracy and tracking for long roll media, heavier media or media that has been laminated.

Grating Ruler

Inevitably the material surface is not at the same height from point to point, the Grating Ruler is applied to measure the distance between blade tip and 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 path across the entire table. In short, the cutting depth is consistent and no different shades.



Clean Smooth Edge Quality

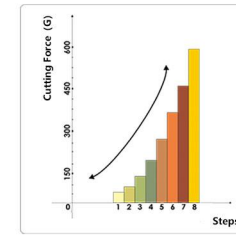
The Grating Ruler and correspondent cutting force management deliver clean smooth edge quality, even for the most complex jobs. It is easy to peel off the waste material, which cut down workload greatly for the users.





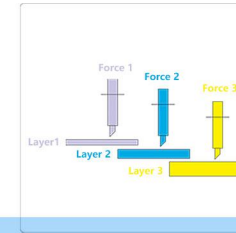
Scanning Bar-code Offline

One-click to recognize the cutting job from those saved in the USB memory by scanning the Bar-code which is pre-printed, while not requiring to connect to computer. This function is especially helpful to increase the productivity when there are many files stored in the USB memory. USB memory / offline function is able to send same cutting job repeatedly.



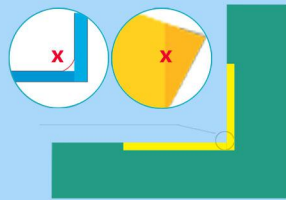
Cutting Force in 8 Steps

Color the cutting paths differently for various force steps, set the processing sequence as color sequence.



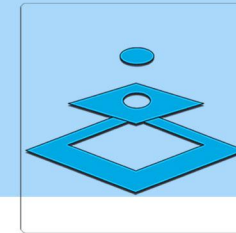
Multiple Layers Solution

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



Advanced Algorithm

Obvious elimination of distorted, rounded or lifted corners.



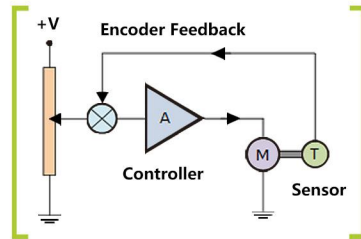
Half Cut / Perf Cut

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



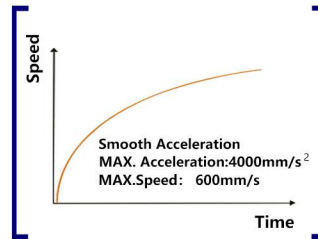
No Need Overcut

In every cutting path, the start and end nodes join with each other accurately, while no need to setup and overcut .



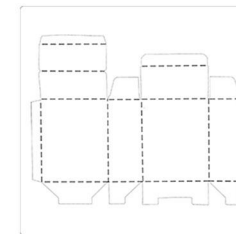
Servo Motor / Closed Loop Control

Cutting / Plotting will be stopped when tool carriage is overloading, it is an important safety feature to protect tool carriage when media is jammed.



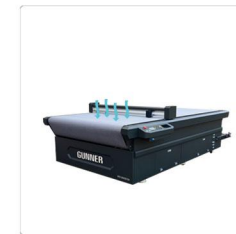
Fast Cutting/ Plotting Operation

Fast speed for volume production; Servos bring out smooth acceleration, big torque, precise cutting / plotting and excellent durability.



Dotted Lines Cutting

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

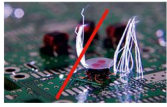


Vacuum System

Strong air flow to hold down the media flat and tightly against the table top so that the tool carriage can perform fast, accurate cutting / plotting.

GUNNER Shanghai

High Performance Vinyl Cutters



Static Electricity Free

No Disordered Cutting/Plotting

BANDO



Quality Components

For outstanding performance, we only use world class brand name components like BANDO belt, NMB bearing.

NMB



NMB Bearing

Well known as high precision, stability and long working life.

WON



Ultra-silence Guides

Made by WON Korea with ultra-silence, high load and high rigidity.



Fine Cutter Holder

Cutters run precisely and won't drop when cutting thick, sticky medias.



Compatible with AutoCAD, AI, Flexisign, CorelDRAW

Leading the same industry, we make software by our-self, we are able to adapt our system to the latest version of popular CAD / CAM software.



Noiseless Voice Coil Motor



Sportscar Structure



600g / 5.8N
Big Cutting Pressure



Fast



Agile



No Overheat

Advanced Tool Carriage

The tool carriage is featured as fast, agile and no overheat for long-time non-stop operation.

DXF Direct Output

GUNNER cutter is compatible with DXF file directly while no need any format transition.



One-click to Install Print Driver

Send cutting jobs by any CAD that with printer feature.



Series of CNC flatbed cutter dedicated to cut various Reflective Sheeting with more output and less cost of labor. The cutter is designed for contour cutting of graphics without a cutting die; Defective percentage caused by manual work is cut down prominently by using the cutter, it helps to accomplish quality cutting faster, more stably and more precisely with lower cost, the competitiveness and market share is going to be improved taking use of the machine. The cutter is ideal for road and traffic signs industries, safety signs, fleet signs, paint protection, window tinting, vehicle wrap, and more.

**GR1312F / GR1612F / GR1325F
AUTO FEEDING CNC FLATBED CUTTER
FOR REFLECTIVE SHEETING**



**Diamond Grade™
DG³ Reflective Sheeting Series**

Model	GR1612F	GR1312F
Working Size	1520 x 1200mm(non-contour cutting)	1300 x 1200mm(non-contour cutting)
	1490 x 1180mm(contour cutting)	1240 x 1180mm(contour cutting)
Applicable Media Thickness	≤1.5mm	
Applicable Media	Reflective Sheeting	
Method to Fix Media	Vacuum Table	
Max. Cutting Speed	600mm / s	
Max. Cutting Force	600G / 5.8N in 8 steps	
Cutting Force Setup	Adjustable in every 1G	
Cutter Blade Diameters	Φ2.0mm	
Cutter Blade Angles	60°	
Dotted Lines Cutting	Included	
Drive	AC Servo	
Mechanical Resolution	0.0125mm	
Compatible OS	Win10 / 8 / 7 / XP	

Model	GR1612F	GR1312F
Memory Buffer	2MB	
Software	Windows Driver, SignWorkPro, CADtoPlotpro	
LCD	English / 中文 / 繁体中文	
File Format	HP-GL, PLT	
Port in Standard	USB, RS-232	
Registration Marks Recognition	CCD camera	
Power Input	220V AC, 50-60Hz	
Power Consumption of Cutter	1.5kw	
Power Consumption of Vacuum Pump	2.2kw	2.2kw
Cutter Holder / Pen Holder	1 for each	
Types of Pen	Water based fiber-tip pen & Oil based ball pen	
Media Bracket	Included	
Package Size L-W-H	2150 x 1920 x 1220mm	1920 x 1850 x 1220mm
Gross / Net Weight	340 / 260kg	320 / 240kg

Manufacturer:
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