

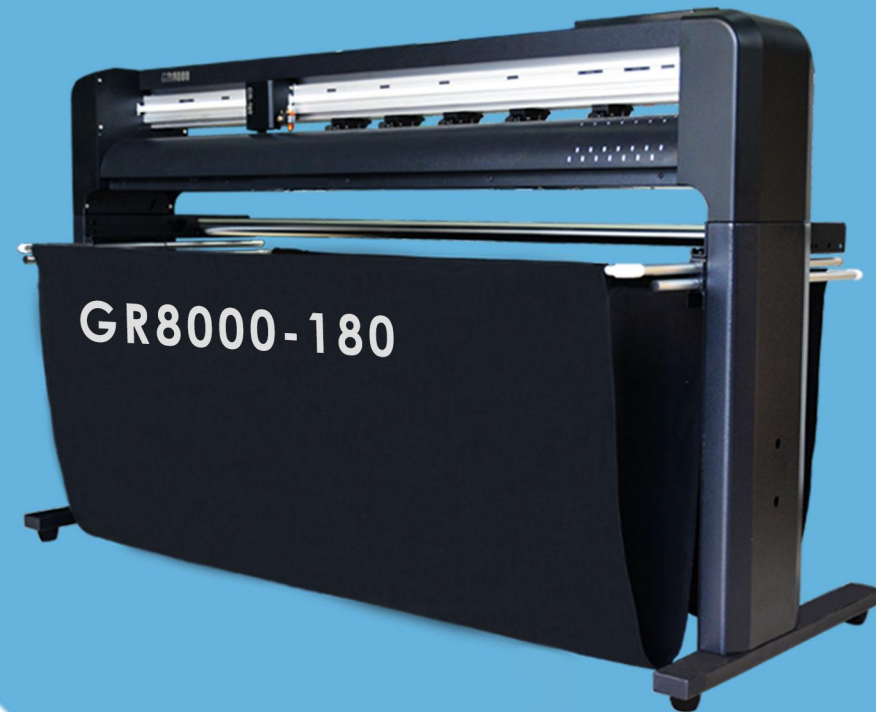


*High Performance Vinyl Cutters
for
Automotive Aftermarket*

GUNNER®
www.tubaocnc.com/en/

Stable Accurate
Tracking for

7000mm



Free

from Static Electricity,
No Disordered Cutting /
Plotting Operation.

Pattern Software
by INTEGO-a
division of
SeArt America

LOCTEM OPEN

+

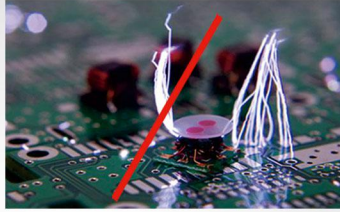
LOCTEM

E4

+

Read
Sample Rate

[Independently
developed ACCcut •]



No Electric Shock to Mainboard



No Disordered Cutting/ Plotting Operation



Exact Offset



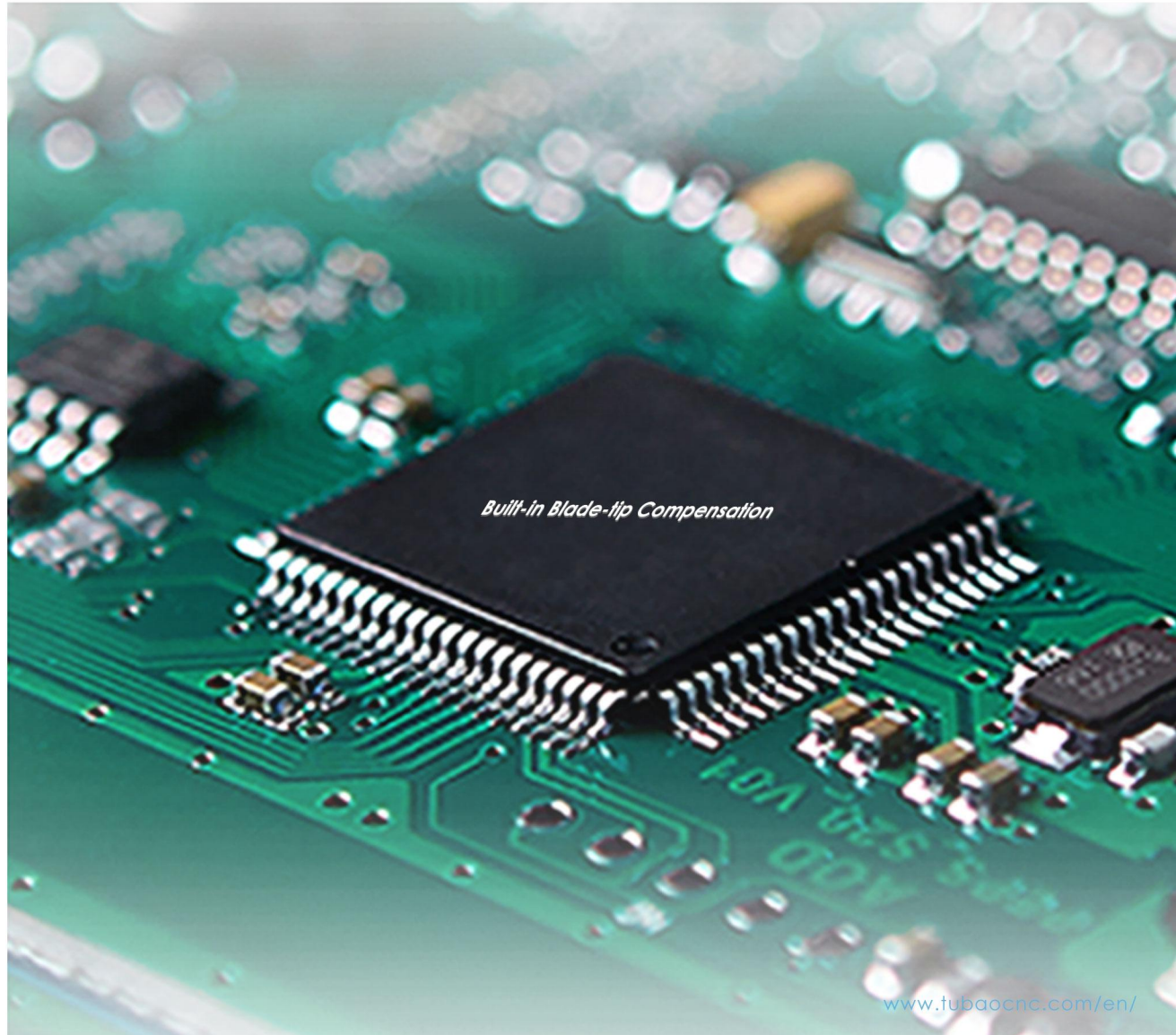
Smaller Offset

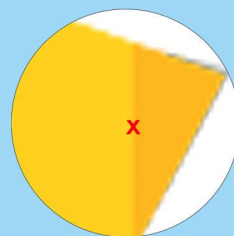
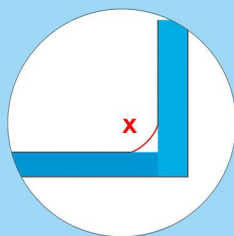


Bigger Offset

Making Blade-tip Compensation with Hardware

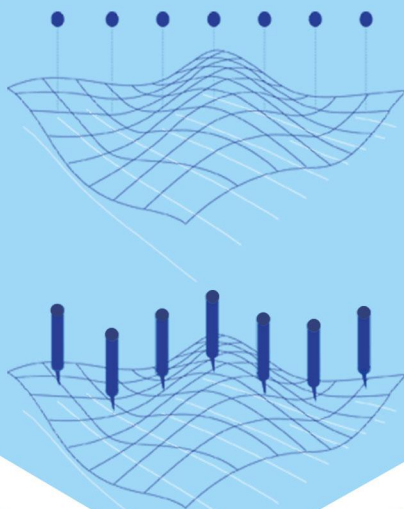
Our system makes blade-tip compensation mainly with chip, while program compensation is taken as an option. The cutter works with consistent high precision in a long run no matter what kind of CAD / CAM software is applied.





Advanced Algorithm

Obvious elimination of distorted, rounded or lifted corners.



Grating Ruler

Inevitably the material 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 in real time, and the cutting depth is adjusted in every 0.01 mm 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.

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.

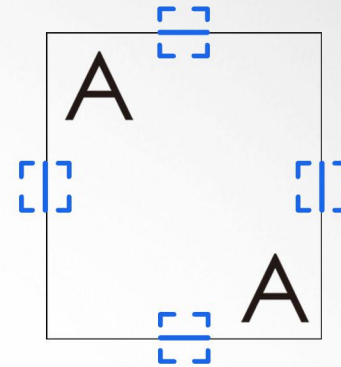


No Need OVERCUT
EASY WEED



Scanning Bar-code Offline

One-click to recognize the cutting jobs saved in the USB memory by scanning the Bar-code which is pre-printed, while not requiring to connect to computer. This feature helps a lot to save time and reduce processing errors.



Media Sensor

It is applied to measure the size of media, the cutting / plotting operation won't be carried out if media size is not right 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.

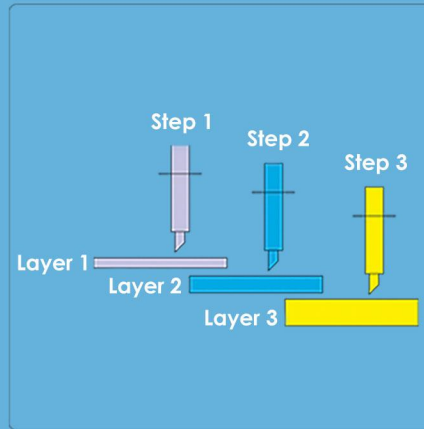
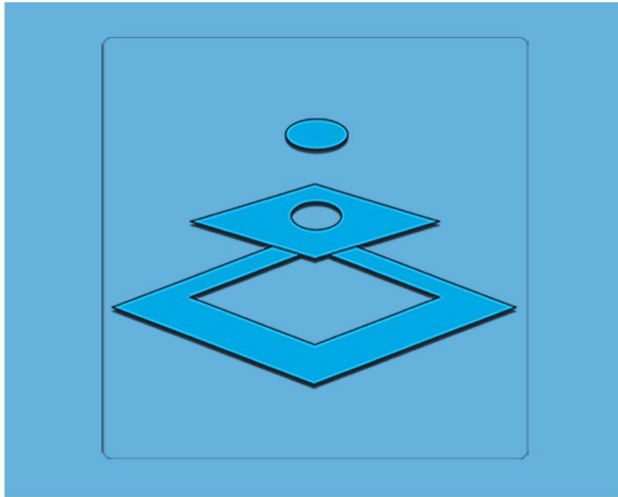


Advanced Registration Marks Sensor

One-click to add registration marks and generate contour(s) of the object(s); One-click to read the registration marks and carry out the contour cutting. To match the cutting path(s) and contour(s) to the best, fine adjustment with either keypad or software is available. If material is slanted a little bit, the cutter is still able to work fine, this feature helps greatly to save time.

Half Cut / PERF Cut

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



Cutting Solution for Multi-layers

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

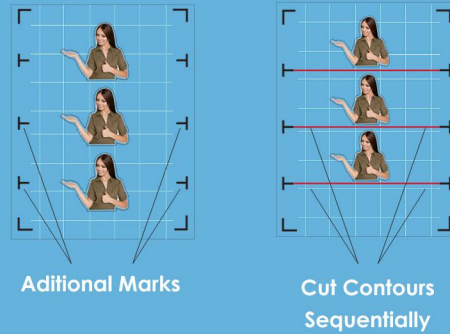
S M A R T
C U T T I N G
F O R C E
M A N A G E M E N T

59mil

Max Media Thickness

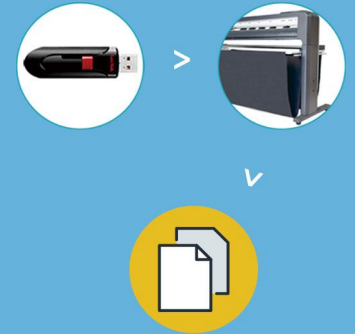
Segmented Area Cutting Operation

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.



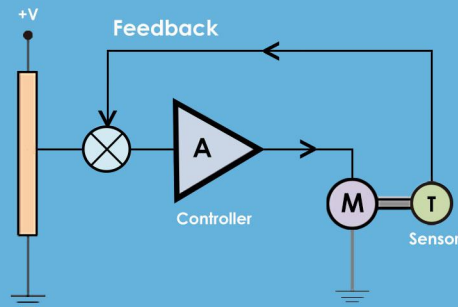
USB Memory/ Duplicate Cutting Jobs Offline

Users are able to duplicate the cutting jobs offline, which is much convenient than connecting PC and cutter with USB cord. This feature is important for efficient volume production.



Servo Motor / Closed-loop Control

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



Handshake Protocol

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

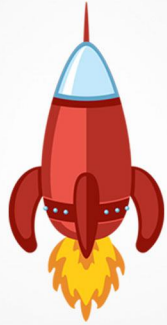




Sportscar Structure



Voice Coil Motor



Fast Speed



Agile

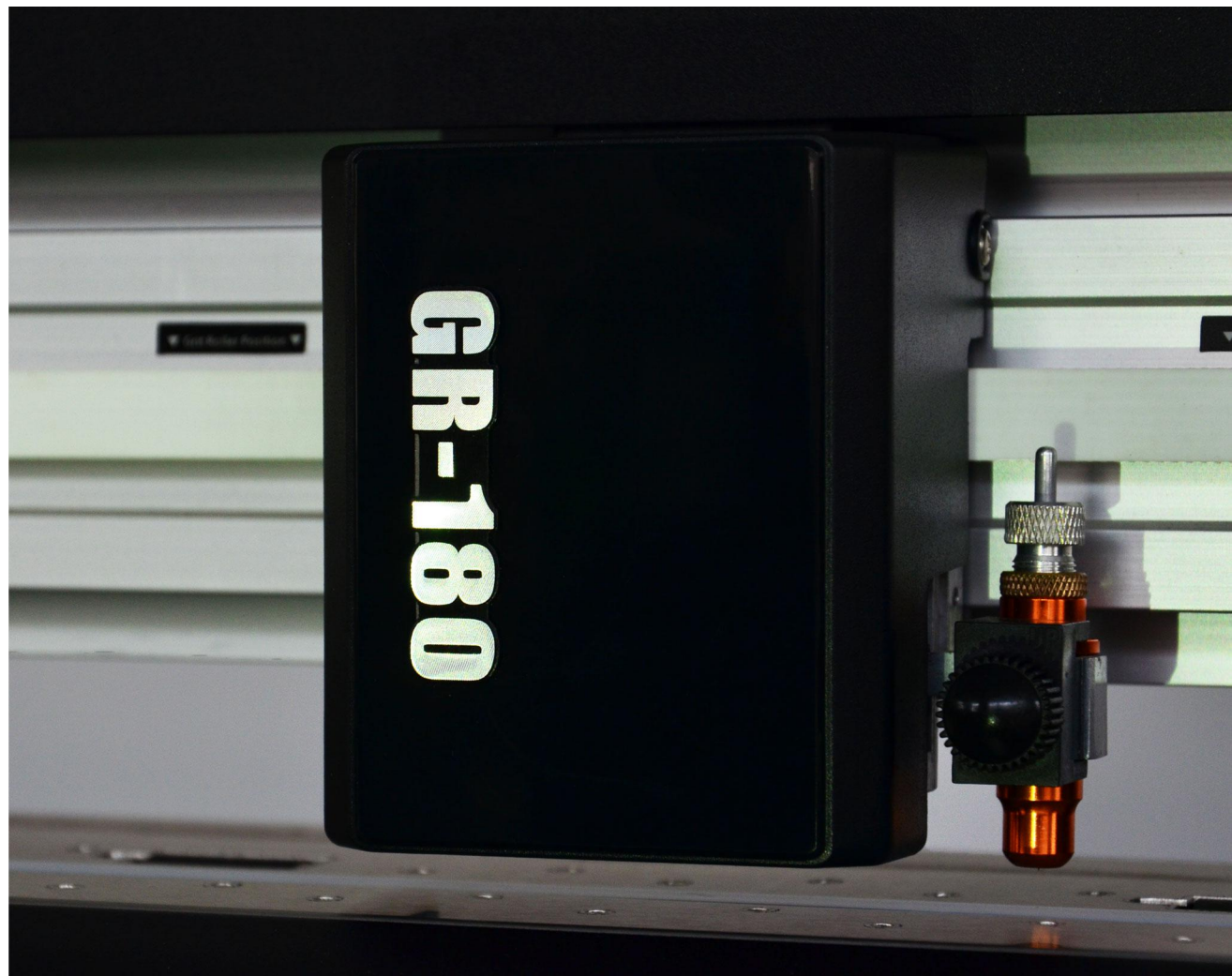


No Overheat



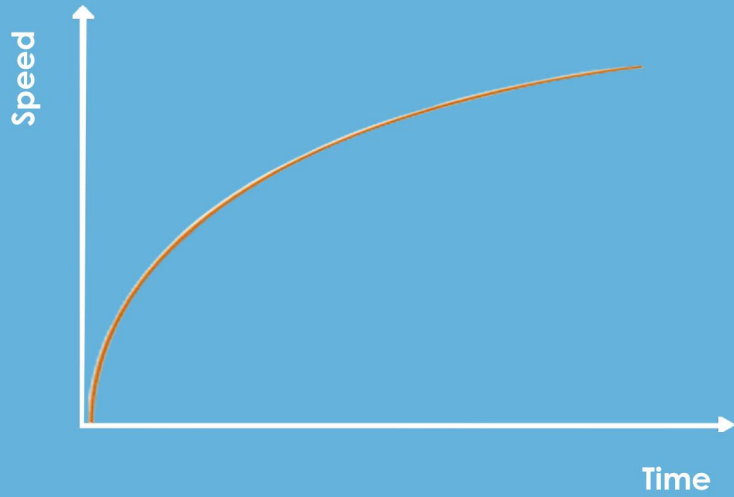
600G/5.8N

Big Cutting Pressure



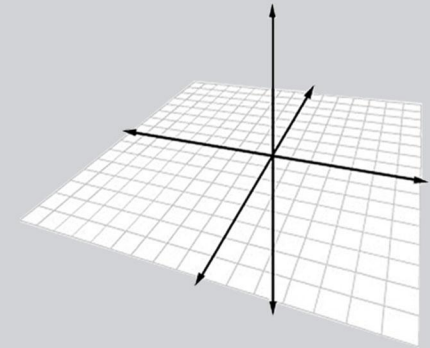
Advanced Tool Carriage

The tool carriage adopts sportscar structure, leading the same industry our tool carriage is driven by voice coil motor and has precision grating ruler built in. It is featured as fast, agile and no overheat for long-term non-stop operation. It is a unique and tenology advanced tool carriage in the same field.



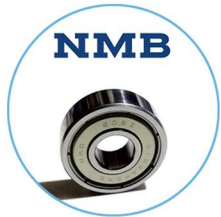
Smooth Acceleration
 Acceleration Speed: 4000mm/s²
 Max Speed: 800mm/s

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



Leading Calibration Technology

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



Quality Components
 For outstanding performance and stability, we use world class components only.



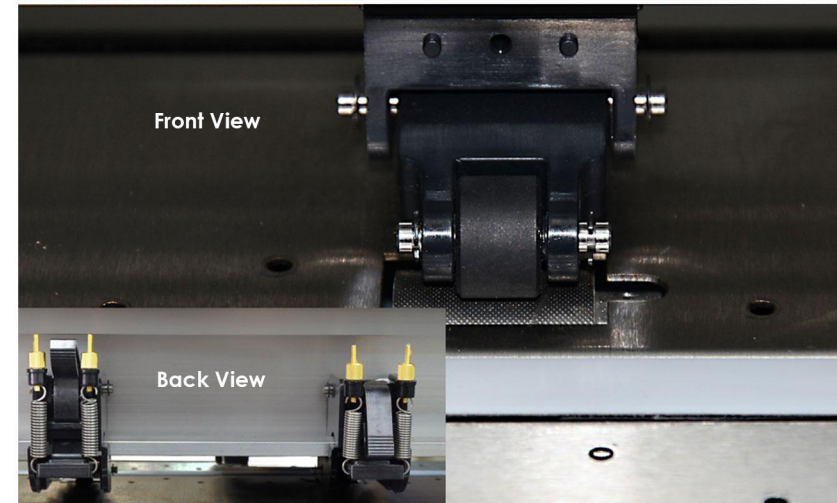
Bando Transmission Belt
 It is famous for excellent durability and long working life.



Fine Cutter Holder
 Cutter runs precisely inside and won't drop cutting thick, sticky medias.



Vacuum System
 Strong air flow to hold the media to make it flat.



Accurate Rigid Push Rollers

Our push rollers are made from hard materials, it is capable of working accurately for long time. The push rollers can be set to two pressure levels: Strong/ Low. The combination of accurate rigid push rollers, precise grit rollers and quality media bracket rollers ensure stable long length tracking of material.

Model	GR8000-140	GR8000-180
	1290mm (Non-contour Cutting)	1630mm (Non-contour Cutting)
Max Cutting Width	1220mm (Contour Cutting)	1520mm (Contour Cutting)
Max Mountable Media Width	1440mm	1780mm
Min Mountable Media Width	70mm	
Max Cutting Speed	800mm / s	
Max Cutting Force	600G / 5.8N in 8 steps	
Cutting Force Setup	Adjustable in every 1G	
Dotted Lines Cutting	Included	
Drive	Servo	
Mechanical Resolution	0.0125mm	
Min. Circle Diameter	0.8mm	
Min. Character Size	3x3mm	
Min. Number Size	3x3mm	
Compatible OS	Win10 / 8 / 7 / XP	
Memory Buffer	2MB	
Software Included	SDK	
Software for Option	INTEGO	
LCD	English	
File Format	HP-GL , PLT	
Port in Standard	USB , RS-232	
Registration Marks Sensor	GARMS	
Power Input	90V-240V AC , 50-60Hz	
Power Consumption	120w	
Cutter Holder / Pen Holder	1 for each	
Cutter Blade Diameters	0.9mm , 1.5mm , 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 Bracket	Included	
Basket	For option	
Package Size L-W-H	1710 x 400 x 570mm	2200 x 400 x 570mm
Gross / Net Weight	96 / 62kg	105 / 72kg



Paint Protection Film / PPF



Interior Protection Film

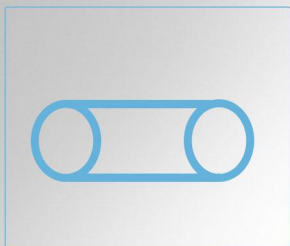


Vehicle Wrap



Window Tint

Auto Feeding CNC Flatbed Cutter



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.



GR1612K

It shares most of the features of GR8000 series except the CCD and Conveyor Belt system. It is an efficient solution of perforation cutting, half cutting, creasing, marking, etc. The cutter is designed for contour cutting of graphics without a cutting die, it helps to accomplish quality cutting faster, more stably and more precisely with lower cost.



Manufacturer:

**Shanghai Chiyan Digital
Control Technology Co.,Ltd**

Address: Building 3 NO.35, 799 Middle
Jiasong Road 201700 Qingpu
District, Shanghai City China.

Postal: 201700

Tel: 02134553068

Email: daniel@tubaocnc.com

Model	GR1612K
Working Size	1520 x 1200mm(non-contour cutting)
	1490 x 1180mm(contour cutting)
Applicable Media Thickness	≤59mil
Applicable Media	PPF, Window Tint, Vehicle Wrap
Method to Fix Media	Vacuum pump
Max Cutting Speed	600mm / s
Max Cutting Force	600G / 5.8N in 8 steps
Cutting Force Setup	Adjustable in every 1G
Cutter Blade Diameters	Φ1.5mm , Φ2.0mm
Cutter Blade Angles	30° , 45° , 60°

Model	GR1612K
Dotted Lines Cutting	Included
Drive	AC Servo
Mechanical Resolution	0.0125mm
Compatible OS	Win10 / 8 / 7 / XP
Memory Buffer	2MB
Software Included	SDK
Pattern Software for Option	INTEGO
LCD	English
File Format	HP-GL , PLT
Port in Standard	USB , RS-232

Model	GR1612K
Registration Marks Recognition	CCD camera
Power Input	90V-220V AC, 50-60Hz
Power Consumption	3.7kw
Cutter Holder / Pen Holder	1 for each
Types of Pen	Water based fiber-tip pen & Oil based ball
Media Bracket	Included
Package Size L-W-H	2150 x 1920 x 1220mm
Gross / Net Weight	340 / 260kg