



Plasma And Oxyfuel Cutting Machines

JINFENG® is the professional China manufacturer and supplier of CNC Plasma And Oxyfuel Cutting Machines with affordable price. The CNC Plasma And Oxyfuel Cutting Machines are high performance thermal cutting machine for processing on metal sheets with different functional equipments and tools.

JINFENG® is the professional China manufacturer and supplier of CNC Plasma And Oxyfuel Cutting Machines with affordable price. The CNC Plasma And Oxyfuel Cutting Machines are high performance thermal cutting machine for processing on metal sheets with different functional equipments and tools.

TG/TPG

CNC Plasma And Oxyfuel Cutting Machines

For all the CNC Plasma And Oxyfuel Cutting Machines that manufactured by JINFENG WELDCUT will be delivered to End-user with 2 years warranty.

The CNC Plasma And Oxyfuel Cutting Machines are dual drive with servo motors. The rails for portal running on are made from railway rail with high hardness, which are precise machining and grinding by rail grinding machine to ensure the accuracy of the rails less than 0.02mm, thus to ensure the high quality cutting of the parts.

The CNC Plasma And Oxyfuel Cutting Machines are very popular in different industries for metal sheet processing.

Specifications

Model	TG	TPG
Rail span	6m ~14m	3m ~14m
Working width	Rail span - 1m	Rail span – 1.5m
Rail length	>6m	>6m
Plasma Rotation Bevel cutting	No	Yes
Oxyfuel Rotation Bevel cutting	Yes	Yes
Inkjet marker	Yes	Yes
Plasma vertical cutting	Yes	Yes



Feature And Application

1. Support dry Plasma cutting, Plasma marking, Oxy-fuel cutting, CAD-CAM software, inkjet marking, many different functional tools and equipments.
2. Unloading travel speed up to 18m/min for dual drive. (Higher speed as option)
3. Support different Nesting software that can create cutting program of DIN standard.
4. Simple and easy installation

Equipment and tools

For the different processing purposes of the User, there are many optional equipments and tools can be integrated to the CNC Plasma And Oxyfuel Cutting Machines to realize the special cutting to increase the production efficiency of the Customers .

1.0 Multi-torches

The customers can select the numbers of the CNC torches that they need.
The CNC oxyfuel torch is with auto-ignition device and capacitive height sensor as options



www.jinfengweldcut.com

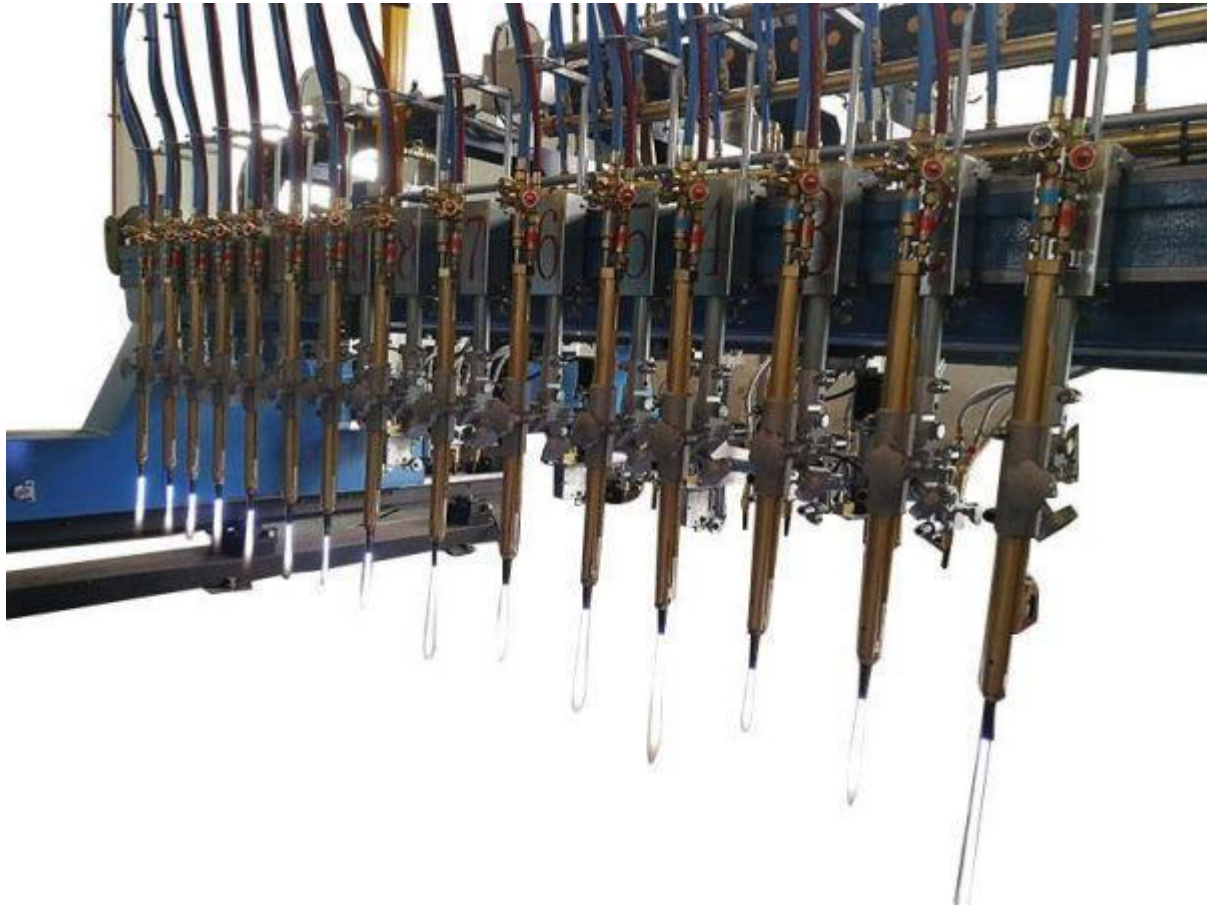


2.0 Strip cutting

The strip cutting unit is special design for steel construction companies, shipyards that have many strips to cut. Mostly the strips are used in steel structure business as the web and flanges to produce the welded H beam or in the shipyards as the web and flanges to produce T beams for the stiffeners of vessel. The strip cutting torches can be installed on back side of CNC Plasma And Oxyfuel Cutting Machines.

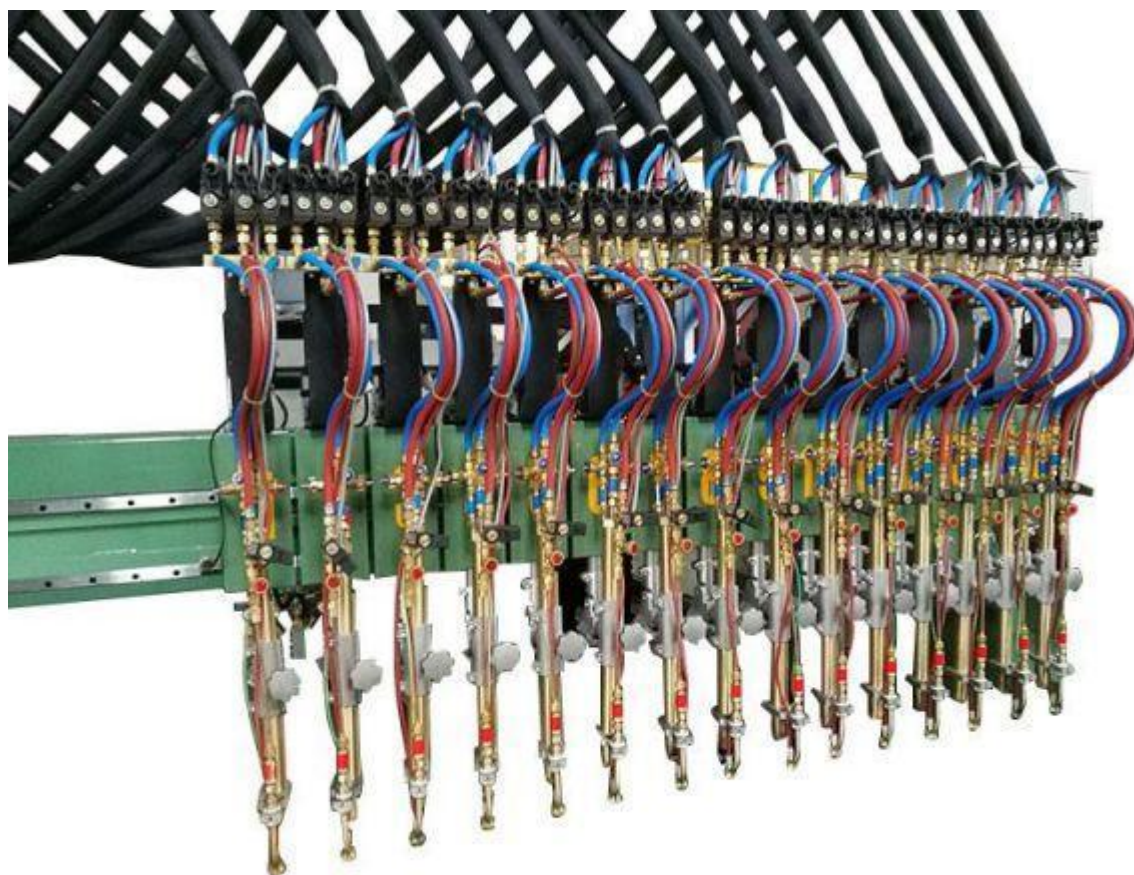
Ningbo JinFeng Welding and Cutting Machinery Manufacture Co., Ltd
Address: No.337, 7th Xingci Road, Hangzhou Bay New Area, Ningbo, P.r.china
Tel: +86-574-63487698
Phone: +86-13456194991

Fax: +86-574-63487678
E-mail: export@jinfeng-weldcut.com



3 Strip cutting with automatic parking

On each strip torch a servo motor is installed. By input the position and distance between strip torches, then each strip torch can move to the position needed in automatic mode, without the manual adjustment by worker.

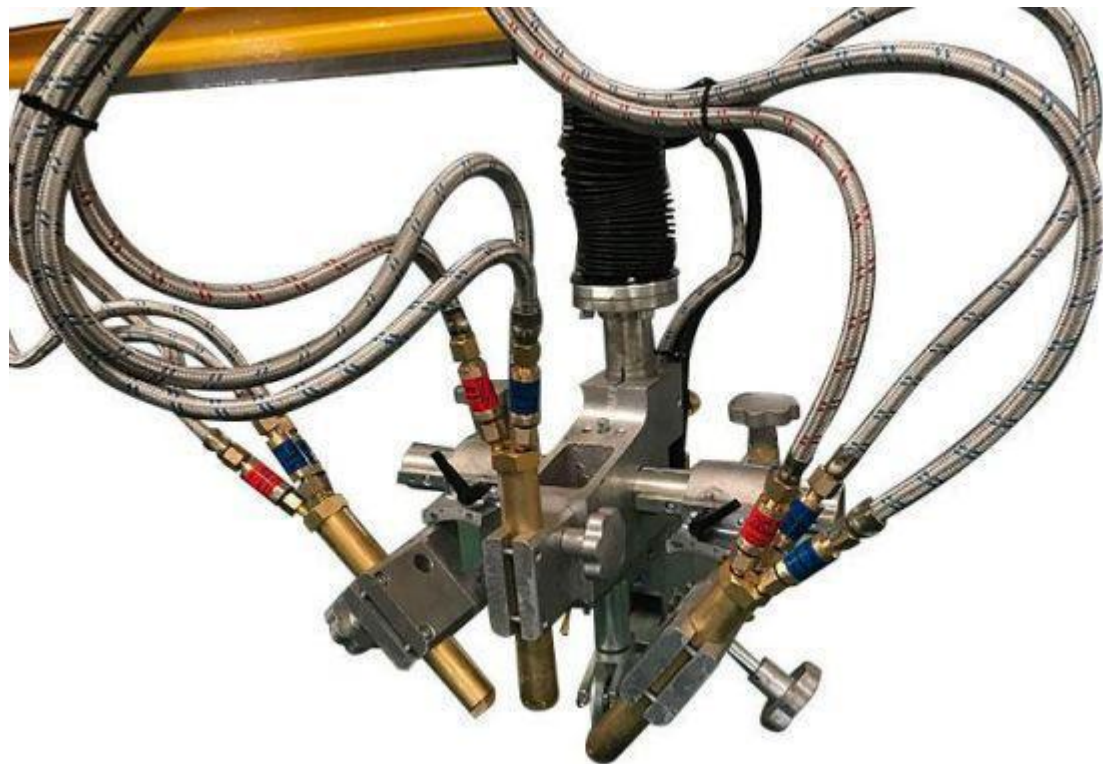
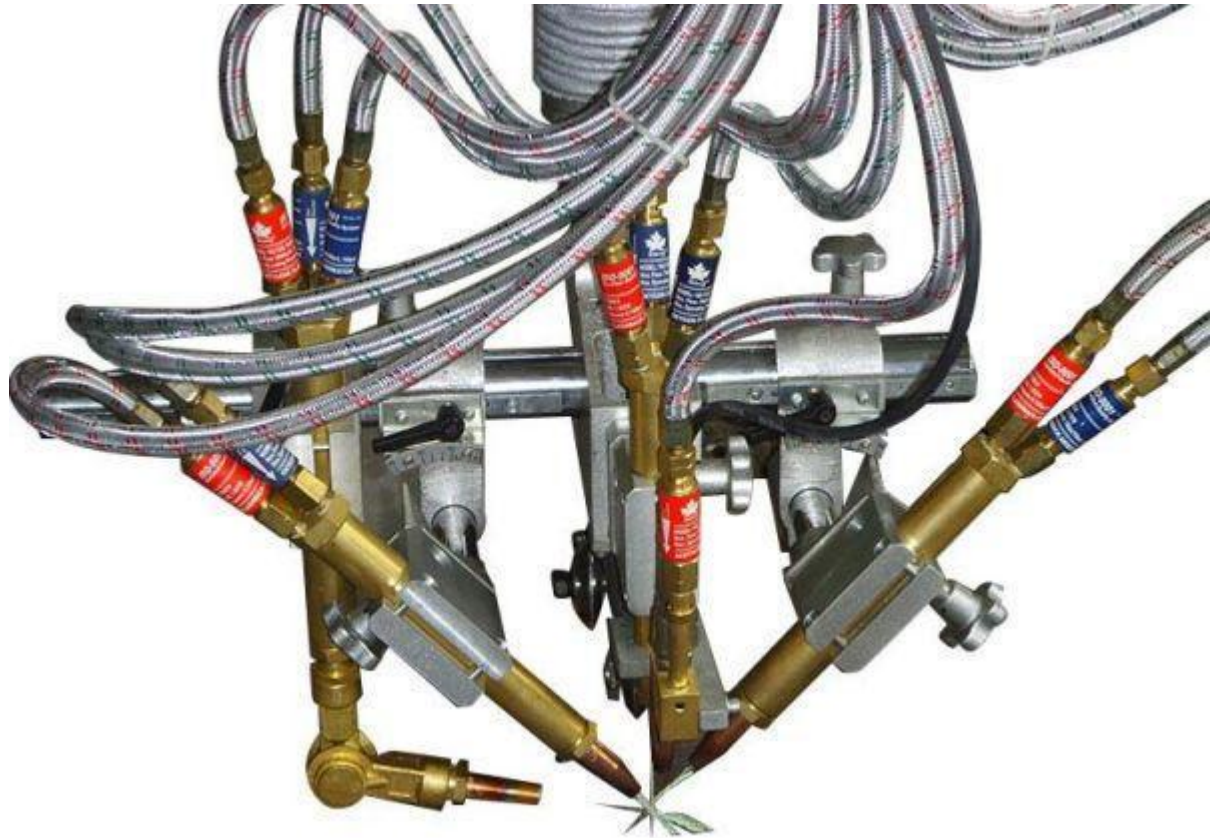


4. Triple torch head for straight bevel head–Flame 1D Bevel

In steel fabrication there are a lot of welding jobs. For good quality welding with full penetration, there may required to make bevel preparation for welding. For this application, we introduce bevel cutting with a triple torch head, which is a bevel head with 3 pcs of oxy cutting torch. The 3 torches are burning at same time to cut on the steel plate to get a part with a bevel in V, Y or K that may need at one pass cutting. Which is a very high efficiency process for bevel cutting.



www.jinfengweldcut.com



Ningbo JinFeng Welding and Cutting Machinery Manufacture Co., Ltd
Address: No.337, 7th Xingci Road, Hangzhou Bay New Area, Ningbo, P.r.china
Tel: +86-574-63487698
Phone: +86-13456194991

Fax: +86-574-63487678
E-mail: export@jinfeng-weldcut.com



www.jinfengweldcut.com

5. Plasma head for rotation bevel–Plasma 3D bevel

This is a infinity rotation bevel head for cutting the parts with curved line with bevel edge for welding

Because the Plasma 3D bevel head for bevel cutting is more heavy when comparing to other torch head, but plasma cutting requires high rigidity and high acceleration. For this reason, our company has used high-strength aviation aluminum materials to made this Plasma 3D bevel head and using the technology of friction stir welding to weld the Plasma 3D bevel head thus to reduce the weight of the carriage. Finally we achieve the light weight, high rigidity and high speed accelerating of Plasma 3D bevel head to increase the cutting quality of plasma. The lifting body adopts the form of linear guide rail + ball screw to realize high-precision lifting and moving of cutting torch



6. Flame triple head for rotation bevel– Flame 3D bevel

Ningbo JinFeng Welding and Cutting Machinery Manufacture Co., Ltd
Address: No.337, 7th Xingci Road, Hangzhou Bay New Area, Ningbo, P.r.china
Tel: +86-574-63487698
Phone: +86-13456194991

Fax: +86-574-63487678
E-mail: export@jinfeng-weldcut.com



www.jinfengweldcut.com

This is a rotation head with triple gas torch to do cutting on parts with bevel edge with curved line.

Its structure is to fixed 3 torches on one station. First Torch is used for cutting of under bevel. Second torch for vertical cutting, Third for cutting of upper bevel. By this cutting then can achieve bevel with certain accuracy. The bevel types are: V, X, Y, K. The bevel angle is 23-45°. Because the bevel angle is relative to the plate thickness, therefore there is limited to the bevel thickness. The max bevel thickness is 75mm. Please refer to the table for cutting thickness and angle of Flame triple torch straight line bevel station. On upper carriage we install a Rotation Unit to rotate the triple torch assembly by servo motor and gearbox to get accurate, reliable, rotation motion. The head rotates up to 400 degrees in both directions from zero position



7. InkJet marker

The inkjet marking device are Famous brand from Germany.

Before cutting on steel plate, the name of the part, the position of the part in the steel structure, and the subsequent processing process of each side of the part, such as the requirements of welding, spraying on the cutting part. On the one hand, it is convenient for the identification and storage and transportation management of parts, on the other hand, it is convenient for the processing and assembly and welding of parts in the subsequent process

JINFENG use the imported German inkjet printer. After the end of inkjet, the backflow pipe automatically moves to the nozzle to form a sealed loop and prevent the ink from dry. It can effectively solve the problem that ordinary nozzle ink is easy to dry and block the

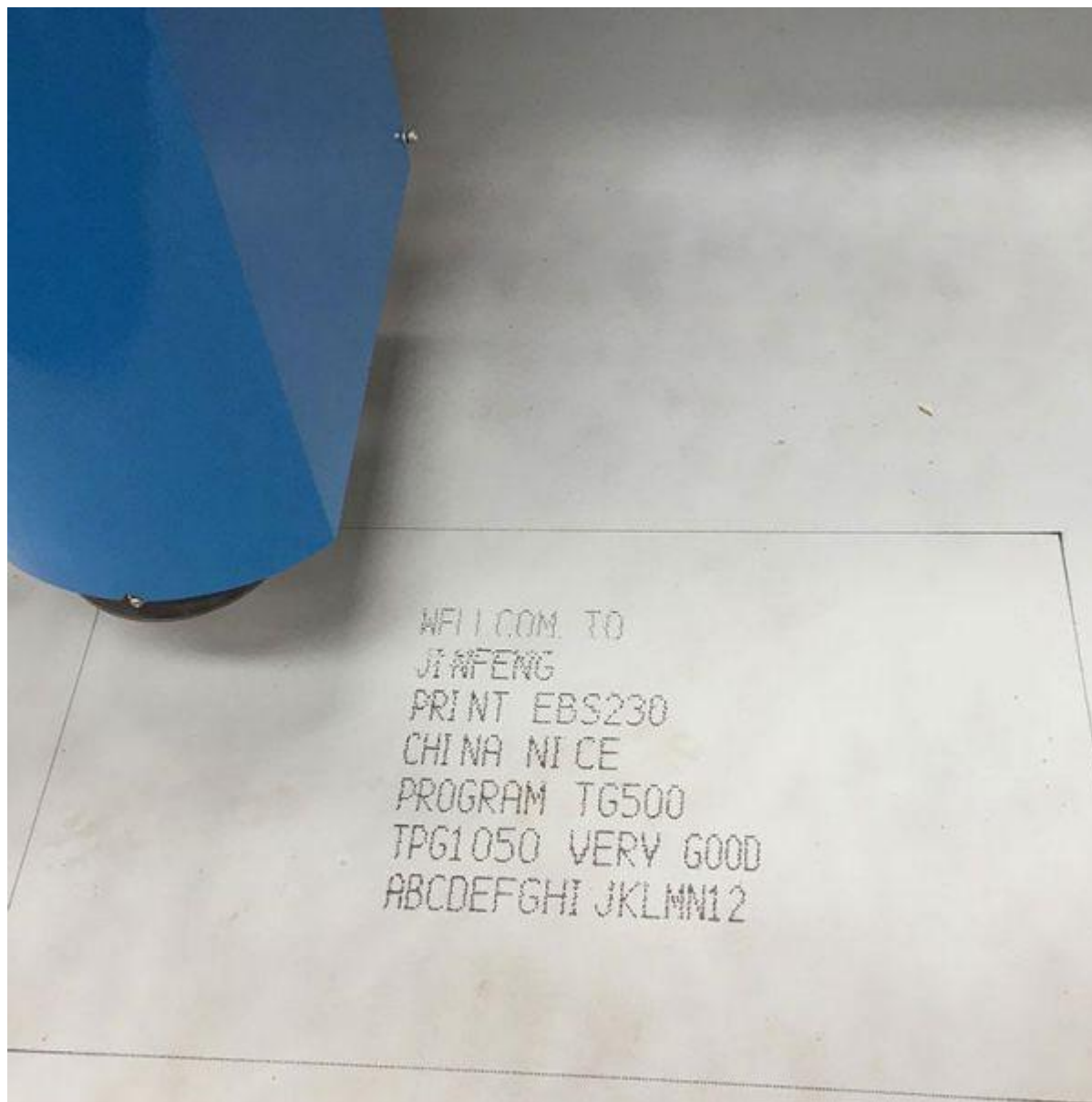
Ningbo JinFeng Welding and Cutting Machinery Manufacture Co., Ltd
Address: No.337, 7th Xingci Road, Hangzhou Bay New Area, Ningbo, P.r.china
Tel: +86-574-63487698
Phone: +86-13456194991

Fax: +86-574-63487678
E-mail: export@jinfeng-weldcut.com



www.jinfengweldcut.com

nozzle. High quality steel surface inkjet adopts solenoid valve with high reliable patented technology, which greatly improves tightness and sensitivity, makes font more flexible. German Inkjet machine performance is reliable, durable, can meet all kinds of industrial inkjet needs, can work in harsh environment, such as dust environment, wet environment, vibration environment production line can also be normal operation. In the case of necessary maintenance, the modularization of the equipment allows you to easily replace the failed parts, greatly reducing the time for failure treatment and reducing the cost.



8. Dot peen marker

Ningbo JinFeng Welding and Cutting Machinery Manufacture Co., Ltd
Address: No.337, 7th Xingci Road, Hangzhou Bay New Area, Ningbo, P.r.china
Tel: +86-574-63487698
Phone: +86-13456194991

Fax: +86-574-63487678
E-mail: export@jinfeng-weldcut.com



www.jinfengweldcut.com

According to the requirement of User to punch the letters and numbers as the part number of each cut part, and these punching on the cut part is permanent for long time.

Punching marking is a very important function in cutting technology.

When User making CAD drawing of the cut part, they need to input the punching marking information. Then the nesting software will automatic convert the marking data into the cutting programs.

Brand	Brand from G7
Character height	10mm
Max qty of line	5 lines
Max qty of character each line	20
Max marking area on each part	100x80mm
Rotation	No rotation



9. Plasma marking

Ningbo JinFeng Welding and Cutting Machinery Manufacture Co., Ltd
Address: No.337, 7th Xingci Road, Hangzhou Bay New Area, Ningbo, P.r.china
Tel: +86-574-63487698
Phone: +86-13456194991

Fax: +86-574-63487678
E-mail: export@jinfeng-weldcut.com



www.jinfengweldcut.com

After configuring the software part, the plasma cutting torch can be realized the plasma scribing function on the plates.

1	Line width	2-3mm
2	Line depth	0.05-0.2mm
3	Marking speed	1000-2000mm/min
4	Marking length	Max 12000mm
5	Marking width	Web width – torch diameter
6	Small current discharges with the surface of the steel to form scratches on the surface of the steel	



Ningbo JinFeng Welding and Cutting Machinery Manufacture Co., Ltd
Address: No.337, 7th Xingci Road, Hangzhou Bay New Area, Ningbo, P.r.china
Tel: +86-574-63487698
Phone: +86-13456194991

Fax: +86-574-63487678
E-mail: export@jinfeng-weldcut.com