

Cutting Machine & Equipment

Specialized in welding & cutting and related metal working industry.

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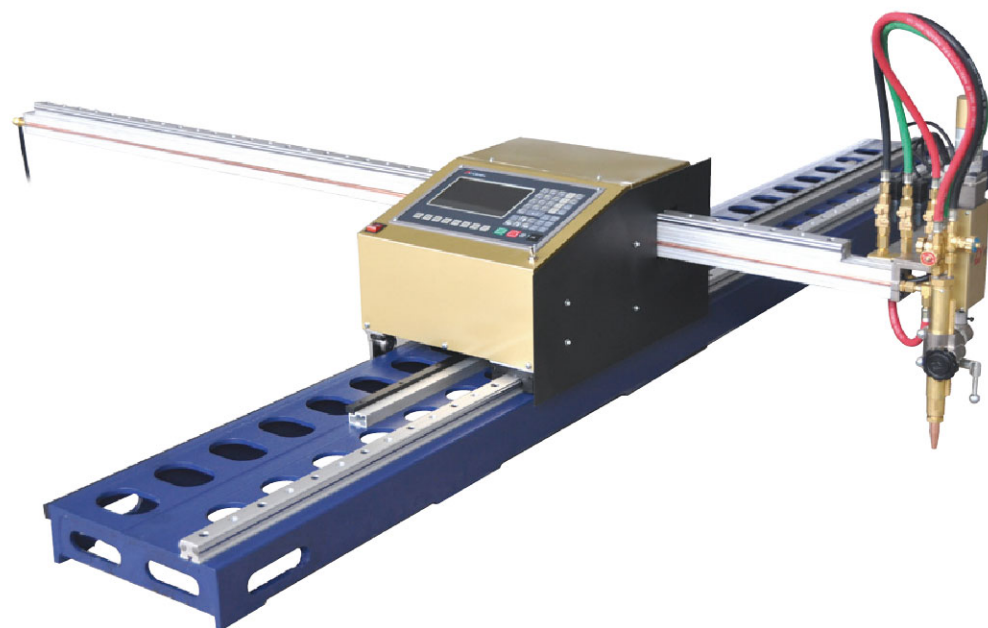
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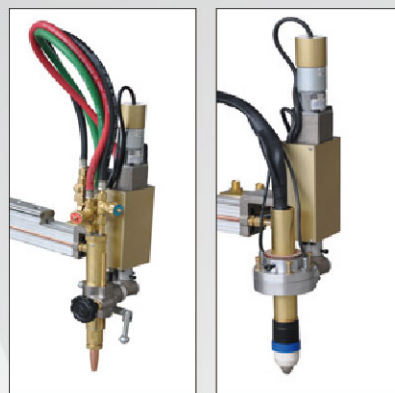


ZYNC-1200W Portable CNC Cutting Machine

For steel sheet width within 1500mm, and length less than 5000mm, you can choose ZYNC-1200W portable CNC cutting machines.

The characteristics as follow:

1. Basic Rail made by H-beam steel completely.
2. Rail guide made in Taiwan.
3. Starfire or Start Sharpon System for option.
4. Gas Solenoid Valve made in Italy.
5. Fastcam program provided.
6. Flame Torch lift by power with anti-collision device.
7. THC control device and system for Plasma cutting.
8. Operation Panel is SH-2012AH/QG.
9. High quality beam for assembling flame & plasma torches.
10. Reliable, Stable, High Accuracy, Anti-Electromagnetic Interruption



Model No.	Cutting scope(mm)	Power voltage (V/Hz)	Cutting Torch group (set)	Flame cutting speed (mm/min)	Travel speed of (mm/min)	Machine Size L×W×H(m)	Total weight (kg)
ZYNC-1200W-2	1200×2000 1500×2000	AC220/50	1	50-750	50-3000	2.5×1.9×0.4	150
ZYNC-1200W-2.5	1200×2500 1500×2500	AC220/50	1	50-750	50-3000	3×1.9×0.4	170
ZYNC-1200W-3	1200×3000 1500×3000	AC220/50	1	50-750	50-3000	3.5×1.9×0.4	190
ZYNC-1200W-3.5	1200×3500 1500×3500	AC220/50	1	50-750	50-3000	4×1.9×0.4	210
ZYNC-1200W-5	1500×5000	AC220/50	1	50-750	50-3000	5.5×1.9×0.4	270

Models available as follow:

You can choose to use this machine only for flame cutting, only for plasma cutting, or for both plasma and flame cuttings.

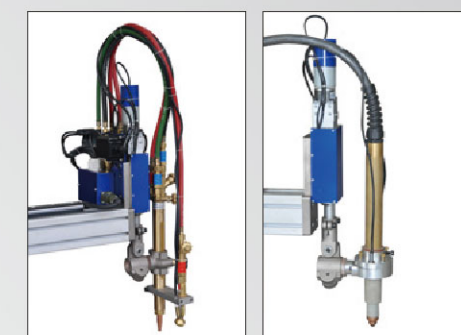


ZYNC-2100X Small-Scale CNC Cutting Machine

When Gantry CNC Cutting Machine is too big, and portable CNC is too small, this ZYNC-2100 Series machine will be the right one for you.

The characteristics as follow:

1. Basic Rail made by H-beam steel completely.
2. Rail guide made in Taiwan.
3. Starfire or Start Sharpon System for option.
4. Gas Solenoid Valve made in Italy.
5. Fastcam program provided.
6. Flame Torch lift by power with anti-collision device.
7. THC control device and system for Plasma cutting.
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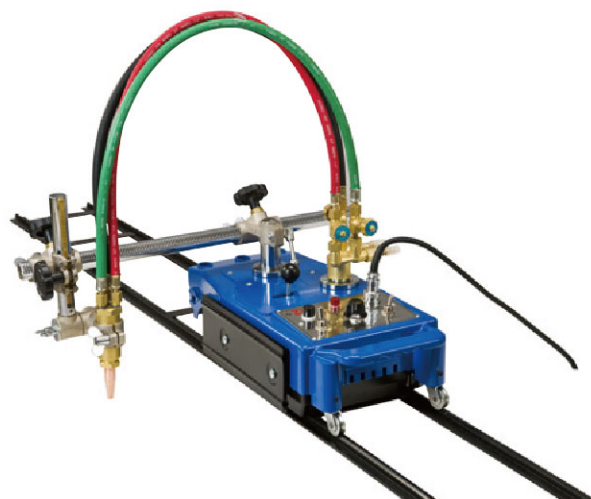


Model No.	Cutting scope(mm)	Power voltage (V/Hz)	Cutting Torch group	Flame cutting speed(mm/min)	Travel speed of (mm/min)	Machine Size L×W×H(m)	Total weight (kg)
ZYNC-2100X-3.2	2100×3300	AC220/50	1	50-750	3000	4.1×2.8×1.2	360
ZYNC-2100X-4	2100×4000					4.8×2.8×1.2	400
ZYNC-2100X-4.5	2100×4500					5.3×2.8×1.2	430
ZYNC-2100X-5	2100×5000					5.8×2.8×1.2	460

Models available as follow:

You can choose to use this machine only for flame cutting, only for plasma cutting, or for both plasma and flame cuttings.

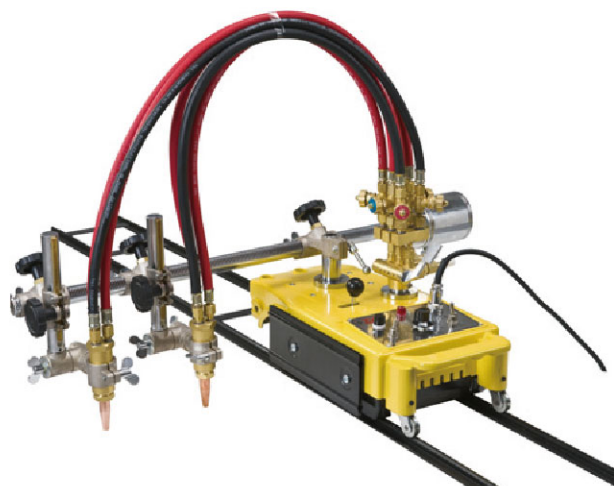
CG1-30 Gas Cutting Machine



This machine has a compact and delicate design with stable performance. It can conduct either straight line cutting or circular cutting with diameter greater than 180mm. It also provides inclined plane section cuttings. With a high-speed main - control valve, it can reduce gas adjustment-time before cutting,

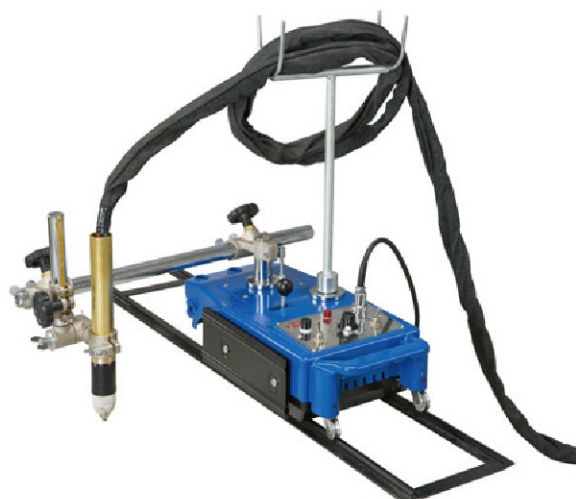
Steel cutting thickness: 5-120mm (bigger-model cutting tip can increase the cutting thickness)
 Cutting speed: 50-750mm/min.

CG1-100 Double-Head Gas Cutting Machine



With double-head cutting torch, it doubles the efficiency compared with the single-head cutting torch. With high-speed main control valve, it reduced gas adjustment time before cutting each time. It is easy to use with stable operation and high efficiency.

CG1-30K High-Speed Gas Cutting Machine

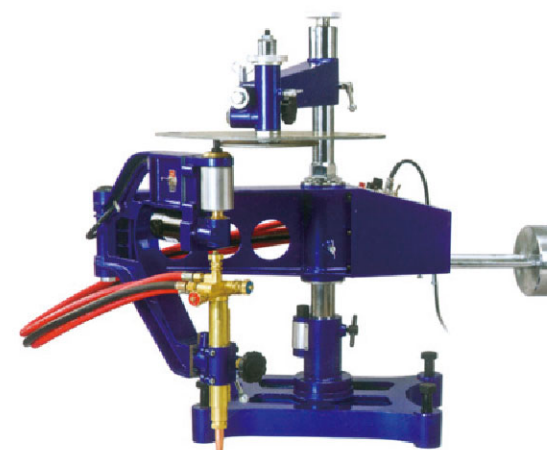


The body of the model machine uses high-strength. Aluminum and the die-casting formed method. It can equip with the plasma cutting tips to cut stainless steel and non-ferrous metals.

A silicon-controlled rectifier (SCR) antenna continuously variable transmission (CVT) is used for the speed control system, equipped with plasma arcing interface to efficiently control the arcing.

Operating speed >3200 mm/min to meet the requirement for plasma cutting the thin metal plane, and mainly for straight-line cutting, but can be used for diameter >180mm circular cutting also.

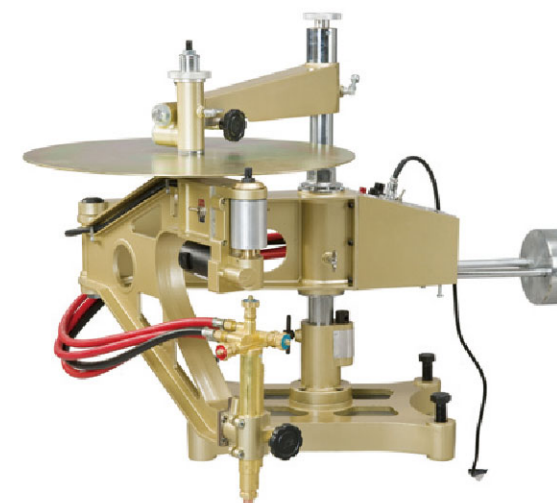
CG2-150 Profiling Gas Cutter



This machine has a compact and delicate design with stable performance. It can conduct either straight line cutting or circular cutting with diameter greater than 180mm. It also provides inclined plane section cuttings. With a high-speed main - control valve, it can reduce gas adjustment-time before cutting,

Steel cutting thickness: 5-120mm (bigger-model cutting tip can increase the cutting thickness)
 Cutting speed: 50-750mm/min.

CG2-150A Profiling Gas Cutter



This machine is based on CG2-150 Profiling Gas Cutting (Improved-Model) . With an increased operation arm length and related auxiliary components in order to equip with larger templates. The operational work piece diameter can reach 1800mm Max, comparing to the 630mm Max, which can be achieved by the CG2-150 Profiling Gas Cutter (Improved-Model).

Specification for CG2-150 & CG2-150A

Model NO.	UNIT	CG2-150	CG2-150A
Overall size (L×W×H)	mm	1190×350×800	1350×350×800
Cutting thickness	mm	5-100(Big cutting tips is better for thicker cutting)	
Cutting speed	mm/min	50-750	50-750
Max. cutting diameter	mm	630	1800
Cutting line length	mm	1200	1650
Max. cutting square size	mm	500×500	1270×1270
Max. cutting rectangle size	mm	400×900 450×720	1700×340 500×1650
Input voltage	V	220	220
Total weight	kg	40	49

KM0-1 Portable Profiling Cutter



The body of the model machine uses high-strength aluminum and the die-casting formed method, structurally compact, with an integrated circuit (IC) speed control system, operate smoothly.

The bottom of the machine is equipped with removable magnetic pieces with high magnetic force and highly mobile. It provides profiling feature for all kinds of shapes of parts, with high accuracy, easily operate, in particular for mass production with side reusable materials for small work piece.

CG2-11G Hand Pipe Cutter



This machine is made of aluminum frame, light-weighted. It uses chain lock for the pipe, easy to use. The chain sessions are adjustable according to the pipe diameters, with manual control cutting speed. It also can do V-Type (45degree) section cutting, It specially designed for out-door power-wire free and cordless operation. Provided chain can do the cutting for steel pipe with diameter 600 mm Max.

Item	Dimension L×W×H(mm)	Dia. Of Circle cutting(mm)	Cutting thickness(mm)	Cutting speed(mm/min)	Total weight (kg)
CG2-11G	420×280×450	>100	6-50	Manual control	13

CG2-11 Magnetic Gas Pipe Cutter



This model of the cutting machine utilizes magnetic material to make the work piece to be magnetically-attracted to the cutting machine platform, (the overall attraction force is greater than 45kgs) to guarantee a constant-speed and stable cutting during the operation, It can be used for seamless steel pipe with thickness greater than 5mm, for sphere material with either vertical or inclined plane section cuttings.

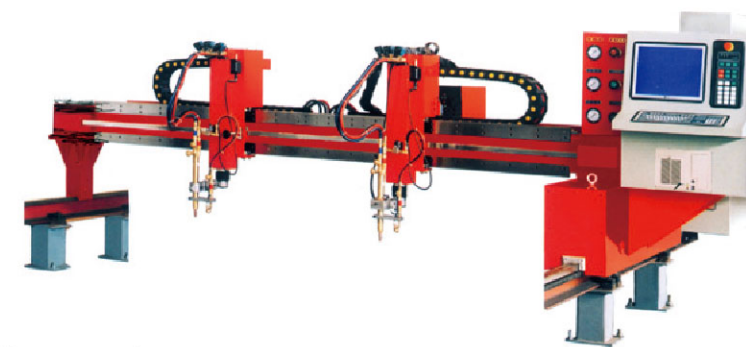
Cutting pipe diameter: >150mm.

Cutting accuracy: ≤ 1mm for 1000mm Circumference work piece.

Cutting thickness: 5-100mm (larger cutting tips can achieve greater cutting thickness).

Single side driven CNC flame cutting machine

The single side driven flame cutting machine is used for carbon steel processing with width 1500mm-3000mm and thickness 6-300mm. We aim at stable and reliable quality, high precision, reasonable price and convenient for use.

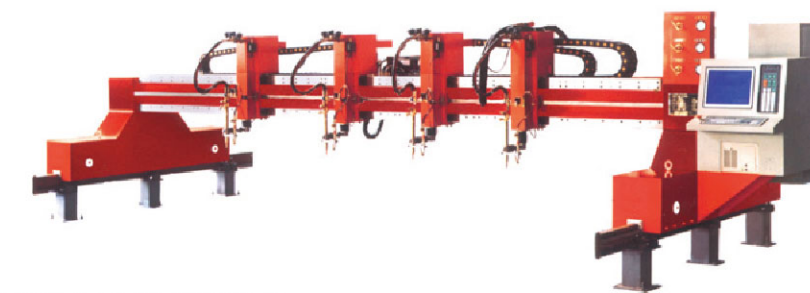


Technical Parameters:

Track span	Effective cutting width	Driven measure	Effective length	Free running speed	Cutting speed	CNC system	Cutting torch num	Min cutting torch space	Cutting depth
2500-4000mm	1500-3000mm	Single or double sides AC servo, motor, gear, rack slew	Track length deduct 3000mm	≤4000 min/min	100 --750 mm/min	Our CNC or imported CNC system	1-4PC	200mm	6-300mm

Dual sides driven CNC flame cutting machine

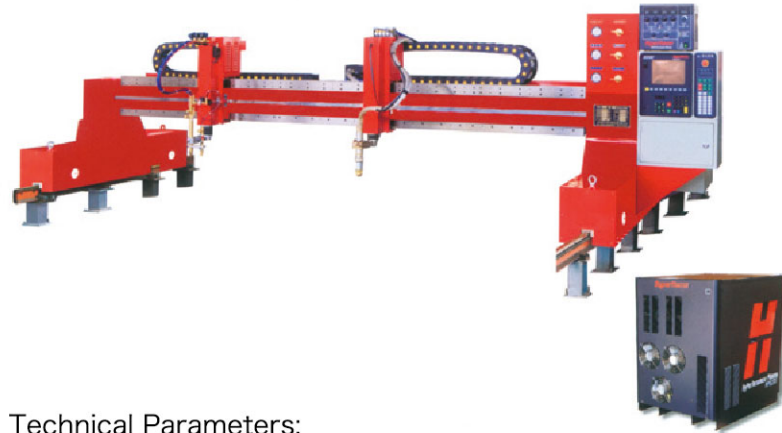
The dual sides driven flame cutting machine is used for carbon steel processing with width 1500-9000mm (or total width of 2-3 pcs plates) and thickness 6-300mm. We aim at stable and reliable quality, convenient for operation, long life-span.



Technical Parameters:

Track span	Effective cutting width	Driven measure	Effective length	Free running speed	Cutting speed	CNC system	Cutting torch num	Min cutting torch space	Cutting depth
2500-10000mm	1500-9000mm	Single or double sides AC servo, motor, gear, rack slew	Track length deduct 3000mm	≤12000 min/min	100 - 750 mm/min	BEC CNC or imported CNC system	1-12PC	200mm	6-300mm

Dry CNC plasma cutting machine



The dry type plasma cutting machine is used for processing of carbon steel plate, stainless steel, copper, aluminum and other nonferrous metals. It can adopt our APC series, our PAC series plasma source and USA or Germany original imported plasma source, with perfect cutting quality, high working efficiency.

Technical Parameters:

Track span	Effective cutting width	Driven measure	Effective cutting length	Free running speed	Max cutting speed	Max cutting depth
2500-9500mm	1500-8500mm	Single or double sides gearbox, rack slew	Track length deducted 3000mm	≤4000mm/min or ≤12000mm/min	≤6000mm/min	≤80mm

Under-water CNC plasma cutting machine



The best solution for the environment problem of plasma cutting machine is under-water plasma cutting, it doesn't generate dust and reduce the pollution of noise and arc, its cutting deformation is small. Our under-water plasma cutting machine performance is stable with low failure rate.

CNC table style flame/plasma cutting machine



CNC stable style cutting machine is a high speed, high accuracy plasma cutting machine which features compact modular construction for easy and fast installation. Fume extraction table is integrated to satisfy environmental requirement. Positive bilateral longitudinal drives and precise machine guiding profiles provide high cutting accuracy and contouring precision.

Working width up to 2000mm
 Maximum working length up to 6000mm
 Positioning speed up to m/min
 Integrated cutting table (max. Plate thickness 30mm)

CNC Table style high-speed plasma cutting machine

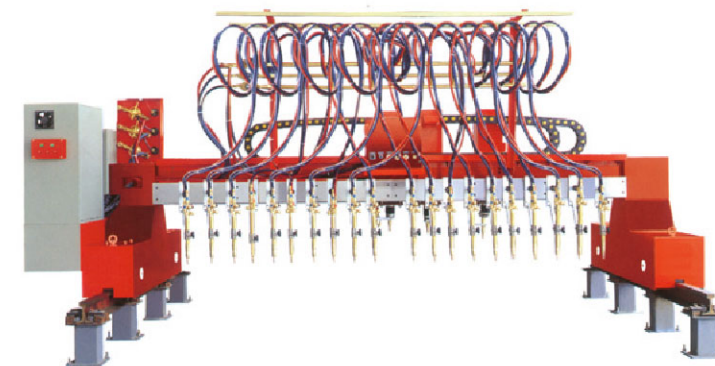
Mainly used for sheet metal cutting (thickness 0.3-2mm), it can achieve the high speed and high accuracy cutting. Under a certain condition, it can replace laser cutting machine, it's quite popular during customers. When the machine cuts plate, the distance between cutting torch and steel plate keeps fixed as platen covers surface of steel plate which greatly improved the cutting quality.



Strips flame cutting machine

Major characteristics and configurations:

Rack applies portal frame structure, single and dual sides driven measures. Positive side of beams installs flame strips cutting torches, cutting torch volume can be set by user, the opposite side installs transverse direction cutting heads. Longitudinal direction strips cutting torches generally use the manual height adjustment, which can also apply cutting torch height of the overall electric lift according to user needs.



Track span	Rack length	Effective cutting width	Min cutting width	Cutting speed	Cutting depth
4000mm-8000mm	2000mm per joint and configuration respects users' demands	3200mm-7200mm	≥70 mm	100-750 mm/min	6-60mm

CNC precision (Laser Class) plasma cutting machine

Excellent mechanical structure, advanced process technology, strict quality management, qualified high level plasma cutting.

Serial of CNC laser plasma cutting machine are all based on the high-precision CNC machine coupled with the world's most advanced technologies (laster class plasma power), they not only have ordinary CNC plasma cutting machines/ characteristics, but also have the followings:

Incision roughness $Ra \leq 12.5$, verticalness of incision ≤ 2 , incision quality achieves the minimum quality of laser incision.

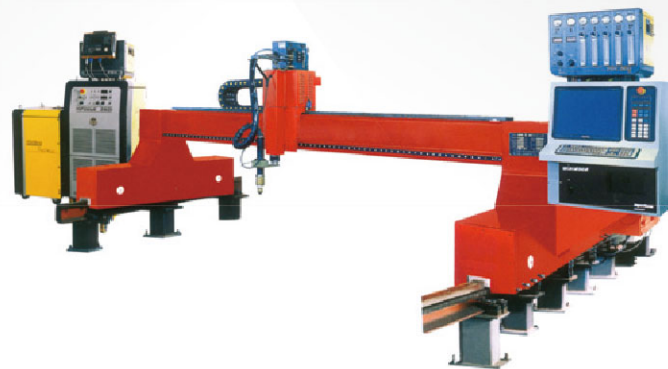
Slotted width is about 1/2 of ordinary plasma

Cutting dimensional accuracy is about twice as ordinary plasma

Cutting speed is higher than laser, especially for medium and thick plate.

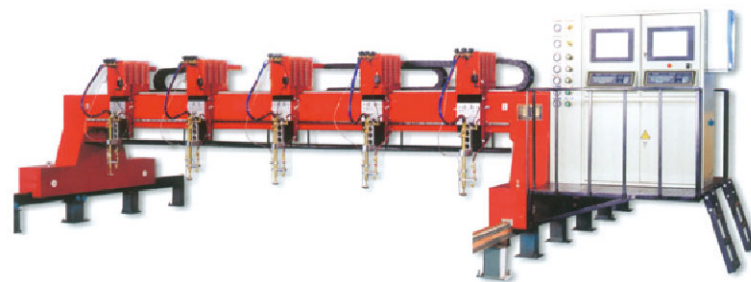
Electrode and nozzle's life are much longer than ordinary plasma and is 5-7 times compare to general ones.

Investment in equipment and operation cost is only about 1/4-1/10 of laser cutting machines.



Portal frame CNC flame precise rack cutting machine

BEC portal frame CNC flame precise rack cutting machine is specially designed for processing large racks, once running of the machine can cut several pcs high-precision racks, and it can once achieve the finished product cutting without any extra processing, the machine can replace the same produce imported, and also it saves big amount foreign exchange for China. Mechanical processing of the machine adopts large CNC processing center precise processing, its transmission parts adopt Germany imported beeline rail and 6level high precision gear and rack, which ensures machine runs in high precision. Control part of the machine adopts combination both imported customized CNC and out own multi-axis control system. Each moving unit equips with imported AC servo driving system and it realizes multi-axis linkage controlling. The promotion of this professional equipment will greatly improves international competition of Chinese sea oil exploitation engineering equipment



Unlimited rotary bevel cutting machine

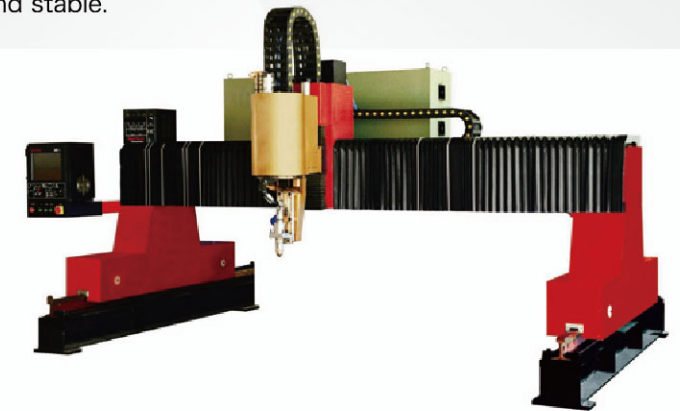
Modular design cross beam adopts heavy loaded structure, rotary cutting torch adopts light loaded structure, the dynamic of whole machine structure was in high precision,, stable and smooth surface cutting.

CNC multi-axis motion control, the cutting torch's compound movement can complete compound bevel cutting. it can be equipped with various plasma generators to achieve high quality cutting. It can cut carbon steel, stainless steel, non-ferrous metal.

Cutting torch rotary structure adopts combined bearing structure, which performs high precision, small rotation swinging and cutting torch rotary location when in high loaded.

Cutting torch swinging structure using new materials, patented design, compact and durable design and efficient angle adjusting.

Cutting torch initial positioning adopts contact resistance method, the anticollision device adopts the sliding structure, which is reliable and stable.



Unlimited rotary cutting machine

Unlimited rotary bevel flame cutting machine is suitable for V shape bevel cutting and straight line or curve combination shape.

Manual cutting angle range adjustment: $0 \sim 45^\circ$, it can meet the bevel welding requirement. Ruler indicate the bevel angle.

Manually cutting bevel rotate, 90° four quadrants positioning, convenient for using.

Positioning by sensor height controller device, the distance between cutting tip and steel plate keeps same, which avoids the bending of plate during cutting process and stabilizes cutting quality.

