

 HUAWEI



上海华威焊割机械有限公司
SHANGHAI HUAWEI WELDING & CUTTING MACHINE CO., LTD.

Company Introduction

Shanghai Huawei Welding & Cutting Machine Co.,Ltd.Established in 1991, professional manufacture series flame cutting machine,series angle welding machine, series pipe & groover cutting machine, electrode dryer and other aid cutting tools.

The company occupies 26,000 square meters; the construction area is 32,000 square meters . And the company staffs with more than 350 employees and 52 technicians. We own rich technical power and advanced testing equipments Among them, the flame cutting machine has passed the authoritative test of chinese Flame Cutting Testing Testing Centre. In addition, many itemes have stepped into the international market and won customers' trust both at home and abroad.

Huawei with the tennet of Quality to sruvive, management to benefit, and, technology to development, is going to forwards stably, Warmly welcome you to visit our company.



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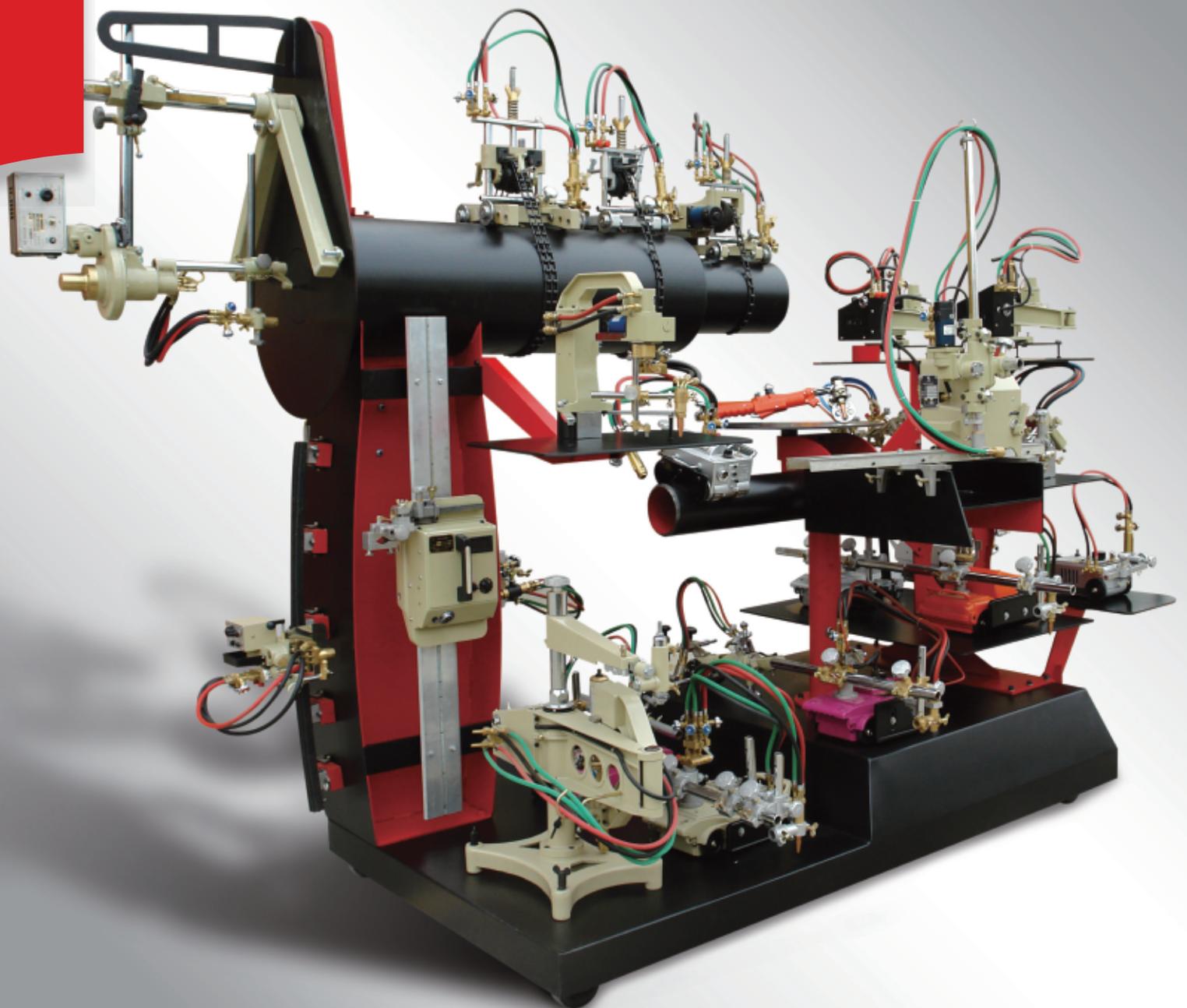
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Meticulously Design · Precisely Production · Excellent Service · Scientific Management

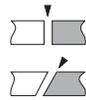
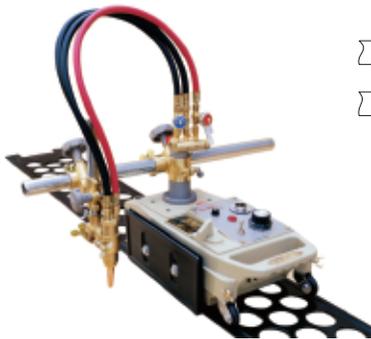
Gas Cutting Machine



Gas Cutting Machine

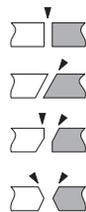
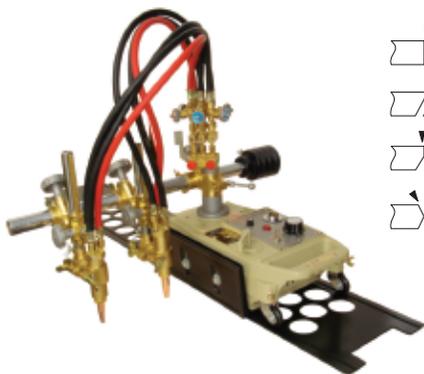


CG₁-30H Gas Cutting Machine (durable type)



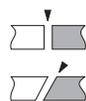
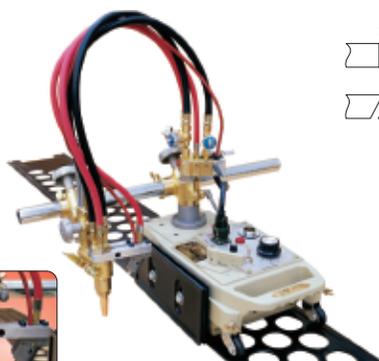
- ◀ The main body is made of high strength alloy aluminum by die-casting
- ◀ All parts of holder is made of alloy copper, durable use
- ◀ Worm wheel and worm is Gear-box is made of special material, bear wear and tear
- ◀ The speed system is adjusted by feeler of controlling silicon unit, easy operating
- ◀ Quick switch for hose assembly, easy operating
- ◀ Suitable for ship building, oil, chemical, and metal structure factory, etc

CG₁-100H Gas Cutting Machine (durable type)



- ◀ The main body is made of high strength alloy aluminum by die-casting
- ◀ The speed system is adjusted by feeler of controlling silicon unit, easy operating
- ◀ Quick switch for hose assembly, easy operating
- ◀ All key parts is made of copper, durable use
- ◀ Two torches improve work efficiency and work for different slope cutting
- ◀ Suitable for ship building, oil, chemical, and metal structure factory, etc.

CG₁-30H-D Gas Cutting Machine (auto-ignition)



- ◀ The main body is made of high strength alloy aluminum by die-casting
- ◀ The speed system is adjusted by feeler of controlling silicon unit, easy operating
- ◀ Quick switch for hose assembly, easy operating
- ◀ All key parts is made of copper, durable use
- ◀ With auto-ignition devise, easy operating, high safety
- ◀ Auto-ignition devise with high efficiency, fast and save time
- ◀ Suitable for ship building, oil, chemical, and metal structure factory, etc



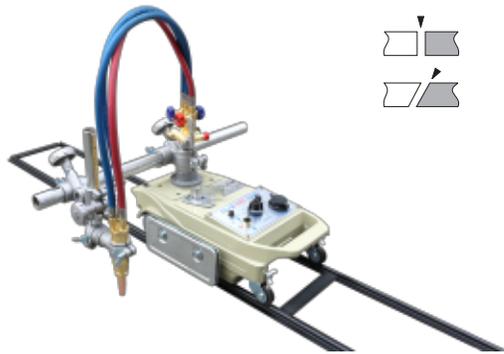
Auto-Ignition

Order NO.	Model NO.	L×W×H (mm)	Supply Voltage V/HZ	Cutting Thickness (mm)	Cutting Speed (mm/min)	Dia.of.Circle Cutting (mm)	Total Weight (kg)
HW1008	CG ₁ -30H (durable type)	435×210×240	AC220/50	6-100	50-750	∅200-∅2000	16
HW1015	CG ₁ -100H (durable type)	435×210×240	AC220/50	6-100	50-750	∅200-∅2000	18.5
HW1009	CG ₁ -30H-D (auto-ignition)	435×210×240	AC220/50	6-100	50-750	∅200-∅2000	16.5

Gas Cutting Machine

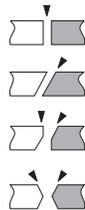
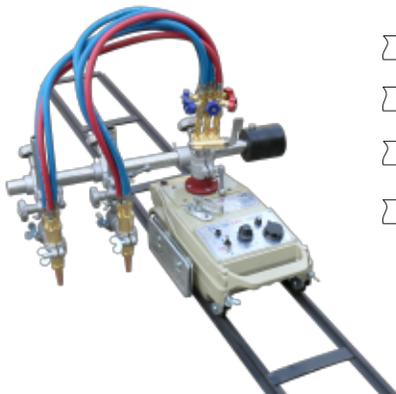


CG₁-30 Gas Cutting Machine (Improved)



- ◀ The main body is made of aluminum of high strength by diecasting minutely
- ◀ Speed system is adjusted by controlled silicon
- ◀ Attached quick connector for hose quick link
- ◀ Quick switch is attached in pipe assembly for higher efficiency
- ◀ Single torches cutting, beveling range: I.Y.V (45°)
- ◀ Applied in shipbuilding, oil production, metallurgy, metal structure and other manufacturers etc.

CG₁-100 Gas Cutting Machine (Improved)



- ◀ The main body is made of aluminum of high strength by diecasting precisely
- ◀ Speed system is adjusted by controlled silicon
- ◀ Quick connector is attached for hose quick link
- ◀ Quick switch is attached in pope assembly for higher efficiency
- ◀ Double torches cutting, beveling range: I.Y.V (45°)
- ◀ Applied in shipbuilding, oil production, metallurgy, metal structure and other manufacturers etc.

CG₁-30K Plasma Cutting Machine



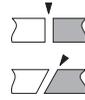
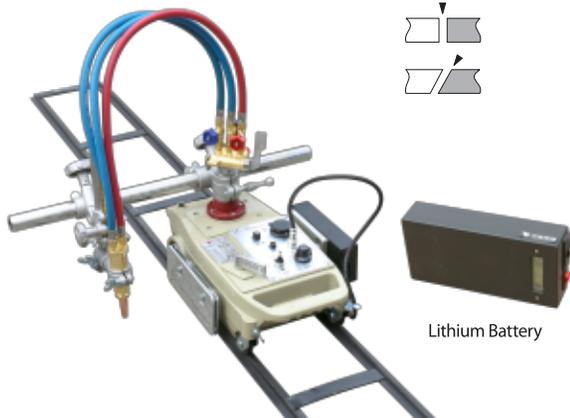
- ◀ The main body is made of high strength alloy aluminum by die-casting,
 - ◀ Can be fixed plasma torch for stainless steel
 - ◀ The speed system is adjusted by feeler of controlling silicon unit, easy operating;
 - ◀ Attached plasma are cable joint, control on plasma arc; 3-4 times of normal carriage in speed to meet thin plate cutting
 - ◀ Suitable for ship building, oil, chemical, and metal structure factory, etch
- Note: this machine has no torch assembly, need order as per definite requirement**

Order NO.	Model NO.	L×W×H (mm)	Supply Voltage V/HZ	Cutting Thickness (mm)	Cutting Speed (mm/min)	Dia.of.Circle Cutting (mm)	Total Weight (kg)
HW1001	CG ₁ -30 (Improved)	470×230×240	AC220/50	6-100	50-750	Ø200-Ø2000	16
HW1011	CG ₁ -100 (Improved)	470×230×240	AC220/50	6-100	50-750	Ø200-Ø2000	17.5
HW1017	CG ₁ -30K (Improved)	470×230×240	AC220/50	Option as per Cutting required	50-4500	Ø200-Ø2000	12.5

Gas Cutting Machine

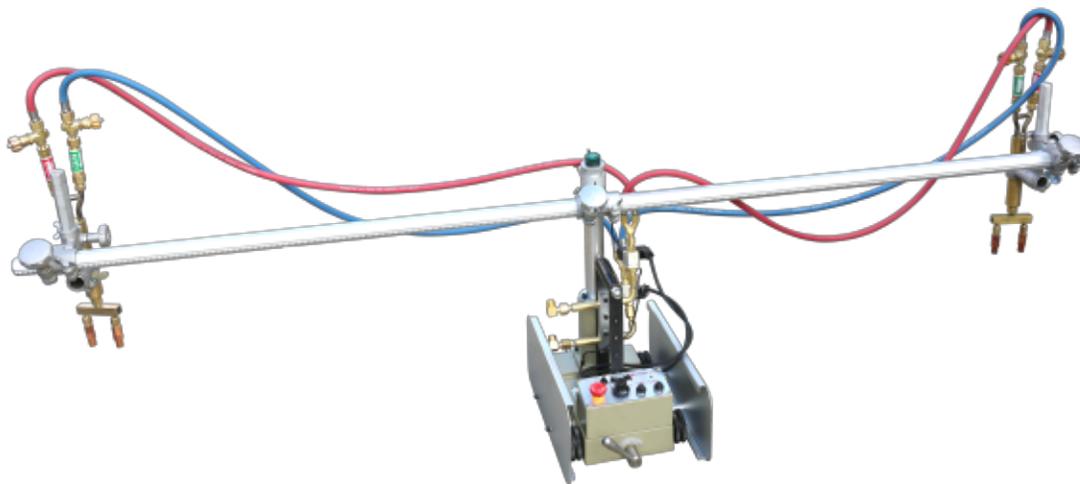


CG1-30C Gas Cutting Machine



- ◀ The integration main body is made of aluminum of high strength by die-casting, to ensure this machine with a small size, light weight and reliable durability.
- ◀ The machine is applied low-built design to increase the stability of movement.
- ◀ The machine is not only used for straight cutting but also circular cutting with diameter $> \Phi 200\text{mm}$.
- ◀ The machine has a decoupled battery as power source which is suit for some special cases without power supply, such as outdoor.
- ◀ The machine also can work with power supply AC220V/50Hz.
- ◀ The machine is widely used to oil production, chemical industry, metal structure and other manufacturers etc.

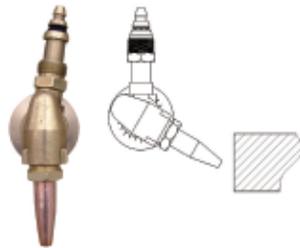
HK-17H Carriage Type Back Heating Machine



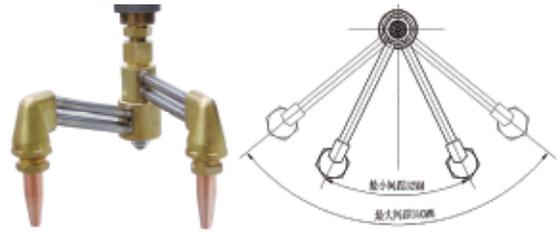
- ◀ Eliminate the stress generated after welding the steel plate
- ◀ The working speed of this machine is about 3-5 times faster than manual work
- ◀ The machine travels at a uniform speed, making it more stable and better than manual baking
- ◀ Weight is about 17kg, which is very convenient to carry

Order NO.	Model NO.	L×W×H (mm)	Supply Voltage V/HZ	Correction Thickness (mm)	Cutting Thickness (mm)	Cutting Speed (mm/min)	Dia.of.Cirde Cutting (mm)	Total Weight (kg)
HW1027	CG1-30C	435×210×240	Lithium Battery	/	6-100	50-750	Φ200-Φ2000	14.8
HW1055	HK-17H	407×627×467	AC220/50	6-30	/	50-800 (Travel speed)	/	17

Gas Cutting Machine



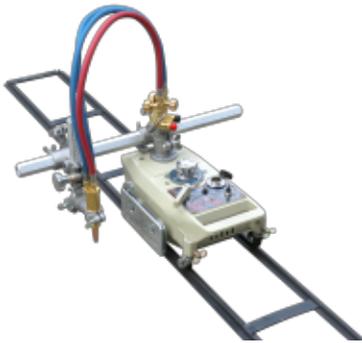
PG-1 Bevel Cutting Device



SG-2 Twin Cutting Device

Order NO.	Model NO.	Cutting Thickness (mm)	Bevel Angle Adjustable	Tip Type	Tip Taper Angle	Minimum Cutting Width (mm)	Maximum Cutting Width (mm)
HW1283	PG-1	75	0°~45°	GO ₂ or GO ₃	30°	/	/
HW1284	SG-2	75	/	GO ₂ or GO ₃	30°	32	310

CG1-30·MAX-3 Cutting Machine



- ◀ CG1-30 · MAX-3 cutting machine adopts high-strength aluminium alloy ingot materials and is manufactured through accurate die-casting. Its structure is designed reasonably with good stability in movement.
- ◀ The speed control system of the device adopts a mechanical two-cone stepless speed change system to control the speed more intuitively.
- ◀ The device adopts a double-layer insulation board, which substantially reduces the impact of high temperature and moist environment in cutting.
- ◀ The machine adopts an imported alternator with cooling fan, in which the carbon brush need not be changed.
- ◀ The device is extremely appropriate for cutting moderately thick materials, and two cutting torches may be installed in the same time as needed to cut a groove;
- ◀ The user may also selectively purchase disk guide rail and radius rod to cut round spare parts.
- ◀ The device is applicable to ship building, petroleum, metallurgy, and metal structure, etc.

HK-5NX Cutting Machine



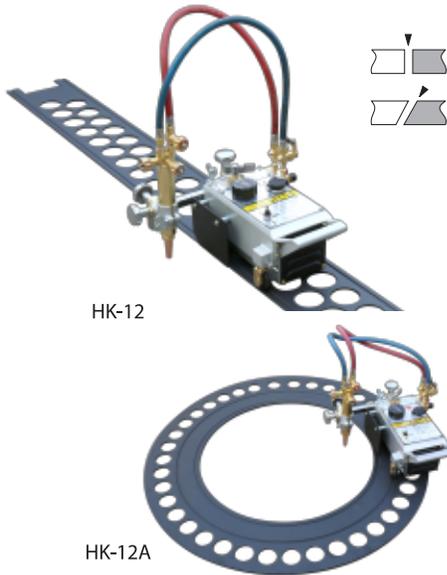
- ◀ HK-5NX cutting machine adopts high-strength aluminium alloy ingot materials and is manufactured through accurate die-casting. Its structure is designed reasonably with good stability in movement.
- ◀ The speed control system of the device adopts a mechanical noise-reduction protection stepless speed change system to control the speed, which is convenient for operation and maintenance.
- ◀ The device adopts mechanical reversing system and the motor may rotate toward a direction to lengthen the service life of the motor.
- ◀ Sides of the device are installed with double-layer insulation board to prevent the machine from warming, which substantially reduces the impact of high temperature and moist environment in cutting.
- ◀ The machine adopts an imported alternator with cooling fan, in which the carbon brush need not be changed. Two rated voltages may be selected by the user.
- ◀ Two cutting torches may be installed in the same time as needed to cut a groove;
- ◀ The user may also selectively purchase disk guide rail and radius rod to cut round spare parts.
- ◀ The device is applicable to ship building, petroleum, metallurgy, and metal structure, etc.

Order NO.	Model NO.	L×W×H (mm)	Supply Voltage V/Hz	Cutting Thickness (mm)	Cutting Speed (mm/min)	Dia.of.Circle Cutting (mm)	Total Weight (kg)
HW1025	CG1-30-MAX-3	430×230×215	AC220/50	6-50	80-800	Φ390-Φ640	12
HW1026	HK-5NX	430×200×210	AC220/50	6-50	80-1000	Φ390-Φ640	10.2

Gas Cutting Machine

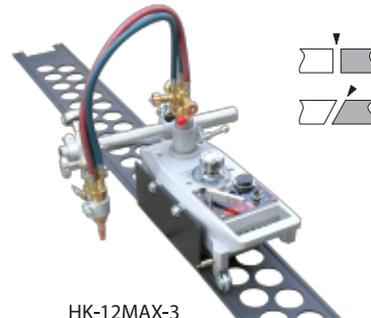
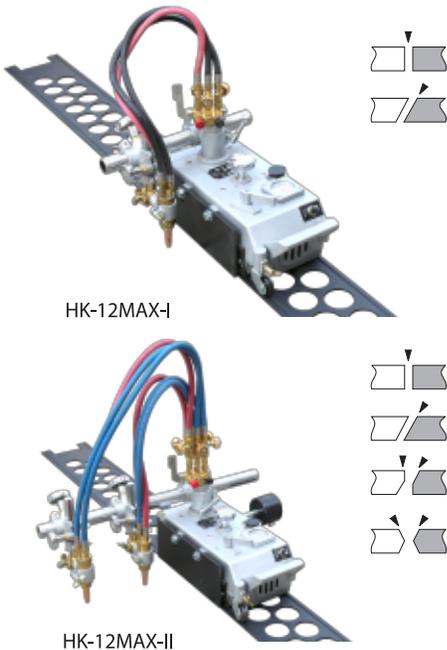


HK-12 Beetle Portable Gas Cutter



- ▶ The main body is made of aluminum of high strength by die-casting.
- ▶ It's light weight and compact structure to ensure the machine becomes ideal portable machine.
- ▶ Speed system adopts mechanical adjustment which can keeps running continuously under high temperature.
- ▶ Advanced motor with fan for cooling.
- ▶ Circular rail can be equipped as required for circular piece cutting (optional).
- ▶ Beveling range: I.Y.V(45°).
- ▶ Applied to shipbuilding, oil production, metallurgy, metal structure and other manufacturers etc.

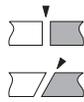
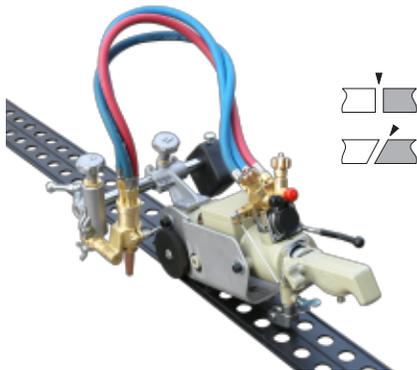
HK-12MAX Portable Flame Cutting Machine



- ▶ The main body is made of aluminum of high strength by die-casting.
- ▶ It's light weight and compact structure to ensure the machine becomes ideal portable machine.
- ▶ Speed system adopts mechanical adjustment which can keeps running continuously under high temperature.
- ▶ Advanced motor with fan for cooling.
- ▶ Circular rail can be equipped as required for circular piece cutting (optional).
- ▶ Beveling range: I.Y.V(45°).
- ▶ Applied to shipbuilding, oil production, metallurgy, metal structure and other manufacturers etc.

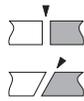
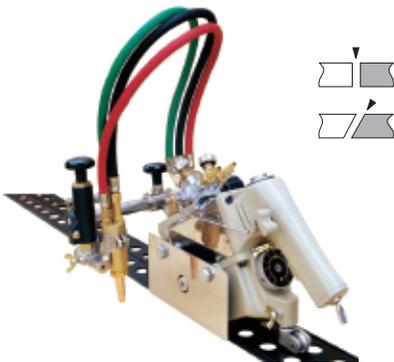
Order NO.	Model NO.	L×W×H (mm)	Supply Voltage V/Hz	Cutting Thickness (mm)	Cutting Speed (mm/min)	Dia.of.Circle Cutting (mm)	Total Weight (kg)
HW1020	HK-12	350×140×175	AC 220/50	6~100	150~800	Φ290~Φ540	10
HW1022	HK-12A	350×140×175	AC 220/50	6~100	150~800	Φ910~Φ1160	10
HW1030	HK-12MAX-I	600×175×228	AC 220/50	6~100	150~800	Φ390~Φ640	15
HW1031	HK-12MAX-II	600×175×228	AC 220/50	6~100	150~800	Φ1010~Φ1260	21
HW1032	HK-12MAX-3	430×220×215	AC 220/50	5~100	80~800	Φ390~Φ640	11.5

Portable Gas Cutting Machine



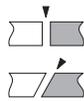
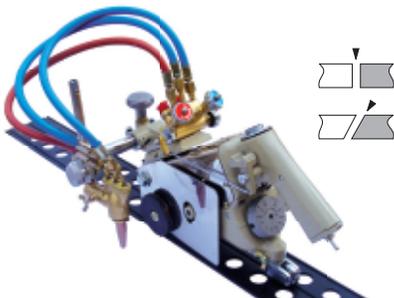
HK-30 Portable Gas Cutting Machine

- ◀ The main body is made of aluminum of aluminum alloy, produced precisely by die-casting.
- ◀ The speed is adjusted by controlled silicon unit.
- ◀ The hoses of oxygen and acetylene are imported from advanced company abroad.
- ◀ The high-speed switch is affixed to the assembly of hose, to raise its efficiency.
- ◀ Mainly for straight cutting and also for circular cutting of the circumference $> \Phi 200\text{mm}$.
- ◀ Single torch cutting, bevel angle: $1.V(45^\circ)$
- ◀ Application in shipbuilding, boiler, chemical and metal industry, etc.



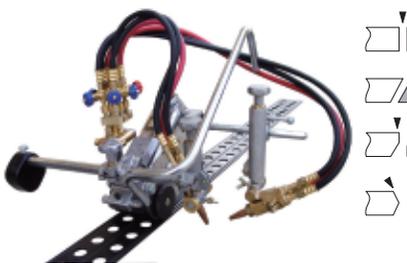
HK-30A Portable Gas Cutting Machine

- ◀ The main body is made of high strength alloy aluminum by die-casting.
- ◀ Beautiful appearance, compact structure, moving fast and freely;
- ◀ The speed system is adjusted by rheostat, moving steadily;
- ◀ Oxygen cutting with quick switch, operating easy;
- ◀ All controlling by one hand to cut different shape such as angle and arc circle etc. and good at swerving;
- ◀ Selecting different attachment can be for beeline, slope $1.V(45^\circ)$, circle and arc cutting;
- ◀ Suitable for ship building, oil, chemical, and metal structure factory, etc;



HK-93 Portable Gas Cutting Machine

- ◀ The main body is made of aluminum alloy, produced precisely by die-casting;
- ◀ It looks beautiful and compact, move easy and quick;
- ◀ The hoses of oxygen attached with quick switch;
- ◀ Operation can be done by single hand, to cut for different shape, such as side corner and curve, and also for swerve cutting;
- ◀ For straight cutting and also for bevel cutting of $1.V(45^\circ)$, circle and curve cutting;
- ◀ Application in shipbuilding, boiler, chemical and metal industry, etc.



HK-93-II Head-face Profiling Cutting Machine

- ◀ This machine has two sets of touches that can bevel X-shape at the end of the plate (both sides) at the same time, form in a single pass.
- ◀ The machine is with swiftness of motion and flexibility of operation.
- ◀ This machine is equipped with gas pre-set switch so as to avoid readjusting when cutting
- ◀ At the bottom and two sides of the machine is equipped with the thermal baffle so as to prevent the machine from the heating radiation. This consequently provides the stable walking and high quality in beveling X-shape.

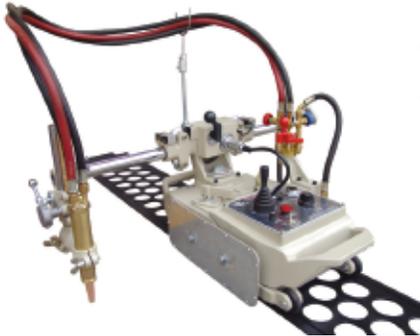
Beveling angle: $0^\circ\text{--}45^\circ$ Bevel width: 50mm

Order NO.	Model NO.	L×W×H (mm)	Supply Voltage V/Hz	Cutting Thickness (mm)	Cutting Speed (mm/min)	Dia.of.Circle Cutting (mm)	Total Weight (kg)
HW1005	HK-30	455×400×225	AC220/50	6~30	50~750	Φ50~Φ550	9.8
HW1007	HK-30A	460×360×240	AC220/50	6~30	50~1000	Φ50~Φ550	10.5
HW1053	HK-93	420×295×250	AC220/50	6~30	50~1000	Φ50~Φ550	8.2
HW1054	HK-93-II	465×400×365	AC220/50	6~30	100~1000	/	16.5

Gas Cutting Machine



CG₁-30F Square Gas Cutting Machine

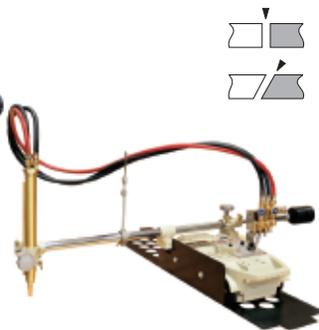


- ◀ The main body is made of high strength aluminum alloy, produced precisely by die-casting.
- ◀ The speed is adjusted by controlled silicon unit.
- ◀ Equipped with driving motor to make the torch to move horizontally.
- ◀ “+” Switch can control the direction of forward, backward, up and down freely.
- ◀ The high-speed switch is affixed to the assembly of hose, easy to operate.
- ◀ The square shape or parallelogram can be made by only once cutting.
- ◀ Widely use in shipbuilding, boiler, chemical and metal structure industry, etc.

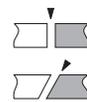
Gas Cutting Machine



CG₁-75 Ingot Gas Cutting Machine



GCD-300 Ingot Gas Cutting Machine

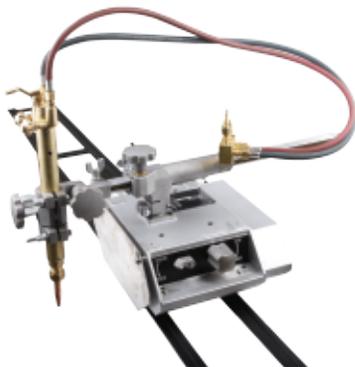


- ◀ The main body is made of aluminum and its compact structure to improve stability of movement.
- ◀ Speed system is adjusted by integrate circuit for regular and steady running.
- ◀ Professional straight cutting for more thick ingot.
- ◀ Especially for ingot cutting.

★ CG₁-75 guide rail is an optional part

Order NO.	Model NO.	Supply Voltage V/HZ	Cutting Thickness (mm)	Cutting Speed (mm/min)	L×W×H (mm)	Total Weight (kg)
HW1006	CG ₁ -30F	AC220/50	6~100	50~750	450×800×40	25
HW1040	CG ₁ -75	AC220/50	50~350	50~750	510×1200×500	35
HW1041	GCD ₂ -300	AC220/50	6~300	50~750	510×380×240	23

HCM-200 Series Portable Flame Cutting Maching



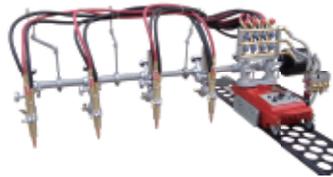
- ◀ Integral carrying handle, lightweight and balanced designer allow the machine to be carried with one hand.
- ◀ A balanced design makes the machine stable when cutting, allowing a racking distance of up to 18" from the machine with a standard torch, and no counterweight is required.

Order NO.	Model NO.	Supply Voltage V/HZ	Cutting Thickness (mm)	Cutting Speed (mm/min)	L×W×H (mm)	Total Weight (kg)
HW1042	HCM-200	AC220/50	6~100	50~1050	362×724×292	23.2

Multi-Torch Straight Cutter



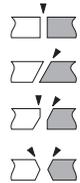
GCD₃-100 Three torch straight cutting machine



GCD₄-100 Four torch straight cutting machine



GCD₅-100 Five torch straight cutting machine



Multi-torch Straight Gas Cutter

- ◀ This machine is the basis of the original after re-improvement in several parts, which also makes their performance more stable. Gas switches and valves are visible, easy to operate. This series of models are mainly suitable for metal structure etc.
- ◀ This main body is made of high strength alloy aluminum by die-casting.
- ◀ The speed system is adopted controlling silicon unite with infinite variable speed.
- ◀ Quick switch is attached in pipe assembly for higher efficiency in order to control the cutting gas easily at the same time.
- ◀ Used the multi-cutting torches at the same time for higher efficiency.

Order NO.	Model NO.	Supply Voltage V/HZ	Cutting Thickness (mm)	Cutting Speed (mm/min)	Torch Set	Cutting Width	Total Weight (kg)
HW1063	GCD ₃ -100	AC220/50	6-50	50-750	3	70-1000	43
HW1073	GCD ₄ -100	AC220/50	6-50	50-750	4	70-1100	50
HW1083	GCD ₅ -100	AC220/50	6-50	50-750	5	70-1200	58.5



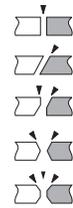
CG₁-30SP-100 Beveling Gas Cutter



CG₁-30SP-300 Beveling Gas Cutter



CG₁-30SP-400 Beveling Gas Cutter

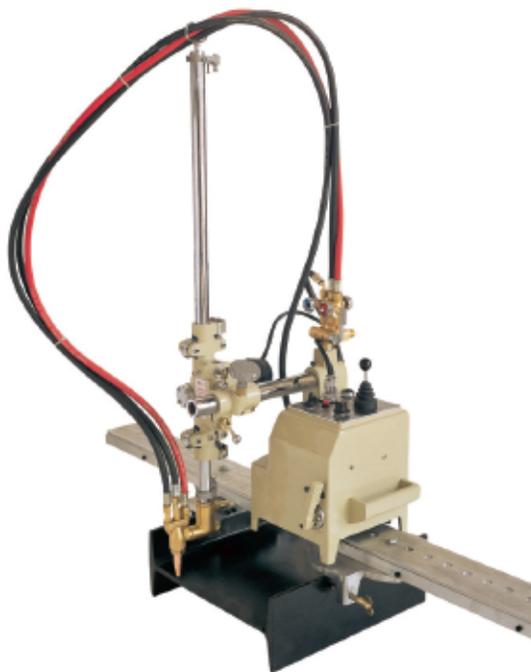
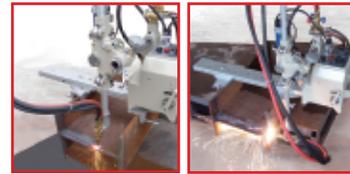


Beveling Gas Cutter

- ◀ This series are suitable for cutting medium plate, and various kinds of a combination of cutting torches can be selected.
- ◀ All SP series are with out-of-round pipe attachment: the height of cutting tip is changed according to different surface of the plate.
- ◀ Easy to operate. All cutting torch can be adjusted (left and right, up and down) by handle.

Order NO.	Model NO.	Supply Voltage V/HZ	Cutting Thickness (mm)	Cutting Speed (mm/min)	Torch Set	Beveling Degree	Torch Movement(Up And Down) mm	Total Weight (kg)
HW1260	CG ₁ -30SP-100	AC200/50	6-50	50-750	1	0-45°	0-50	24
HW1261	CG ₁ -30SP-300	AC200/50	6-50	50-750	2	0-45°	0-50	26.5
HW1262	CG ₁ -30SP-400	AC200/50	6-50	50-750	3	0-45°	0-50	29.5

H-Beam Cutter



CG1-2



CG1-2A

CG1-2 H-Beam Cutter

- ◀ The main body is made of aluminum with a compact structure.
- ◀ Speed system is adjusted by silicon controlled.
- ◀ Can be used for bevel and groove cutting.
- ◀ Especially for H beam and metal section, etc.
- ◀ Applied to mechanical and metal structure plant, etc.

Order NO.	Model NO.	Supply Voltage (V/Hz)	Cutting Thickness (mm)	Cutting Width (mm)	Cutting Height (mm)	Cutting Speed (mm/min)	L×W×H (mm)	Weight (kg)
HW1050	CG1-2	AC220/50	6-60	150-800	150-400	50-750	250×176×260	30
HW10501	CG1-2A	AC220/50	6-60	150-1600	150-800	50-750	400×340×440	37.5

Profiling Gas Cutter



CG2-150 Profiling Gas Cutter



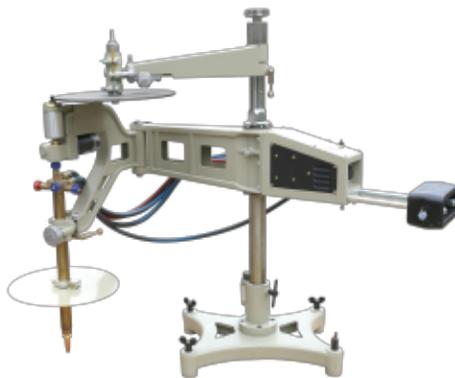
- ◀ The main body is made of aluminum by die-casting minutely.
- ◀ Speed system is adjusted by integrated circuit, to ensure running steadily.
- ◀ Oxygen acetylene hoses are made of high quality rubber .
- ◀ Various kinds of spare parts can be cutted followed patterns.
- ◀ High precision in cutting with well smooth surface.
- ◀ Especially for batch producing of components in same pattern.
- ◀ Applied to shipbuilding, oil production, metallurgy, metal structure and other manufacturers etc.
- ◀ Suitable for field work.

CG2-150B (Rail Type) Profiling Gas Cutter



- ◀ The main body is made of high strength aluminum alloy, produced precisely by die-casting.
- ◀ Speed adjusted by integrate circuit (stepless change), to ensure move steadily
- ◀ Various kind s of spare parts can be cutted followed patterns.
- ◀ This machine has roller wheels and clutch, So that customer can move machine easily.
- ◀ This machine can reduce the cost for moving of machine on steel plate.
- ◀ High efficiency of producing of components in same pattern.
- ◀ Applied to shipbuilding, oil production, metallurgy, metal structure and other manufacturers etc.

CG2-150D Heavy Thickness Profiling Gas Cutter



- ◀ The main body and frame is made of aluminum alloy its features are light, strong, and portable.
- ◀ Speed adjusted by integrate circuit to ensure move steadily.
- ◀ Longer shaft and torch can allow the machine far from the heating source, to avoid distortion of the main body.
- ◀ The torch has heat insulator, which can protect the main body and electric parts.
- ◀ Although this machine is used for big thickness steel plate, but also can used for cutting of general steel plate.

Order NO.	Model NO.	L×W×H (mm)	Supply Voltage V/HZ	Cutting Thickness (mm)	Cutting Speed (mm/min)	Dia.of.circle Cutting (mm)	Length Of Line Cutting (mm)	Max.size Of Cutting Square (mm)	Max.size Of Cutting Rectangle (mm)	Total Weight (Kg)
HW1200	CG ₂ -150	1190×335×800	AC200/50	6-100	50-750	∅20-∅600	1200	500×500	400×900 450×750	56.5
HW1204	CG ₂ -150B	1190×335×870	AC200/50	6-100	50-750	∅20-∅600	1200	500×500	400×900 450×750	61.5
HW1205	CG ₂ -150D	1190×335×1000	AC200/50	8-200	50-750	∅20-∅600	1200	500×500	400×900 450×750	58.5

Profiling Gas Cutter

CG₂-150A Profiling Gas Cutter



- ◀ The main body is made of aluminum by die-casting minutely.
- ◀ Speed system is adjusted by integrated circuit, to ensure run steadily.
- ◀ Oxygen and acetylene hoses are made of high quality rubber
- ◀ Various kinds of spare parts can be cutted followed pattern.
- ◀ High precision in cutting with well smooth surface
- ◀ High efficiency producing of components in same pattern.
- ◀ Applied to shipbuilding, oil production, metallurgy, metal structure and other manufacturers etc.

CG₂-2700 Shifting Profiling Gas Cutter



- ◀ The main body is made of high strength alloy aluminum by die-casting with ideal structure.
- ◀ Running evenly, shifting flexible, application widely.
- ◀ The speed system is controlled by feeler of controlling silicon unit, easy operating.
- ◀ Idler pulley is moves easily used to ensure machine.
- ◀ New design bigger model also can be installed.
- ◀ Can cut different shape part with good precision and surface.
- ◀ Good for batch producing in same shape.
- ◀ Used for ship building, oil, chemical, and metal structure, etc.

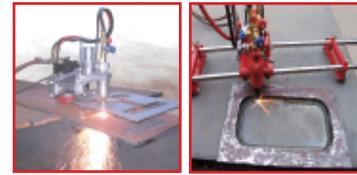
HK-54D Portable Gas Cutter



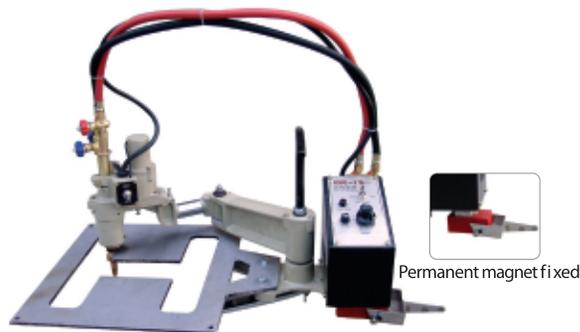
- ◀ This machine is the most advanced magnetic tracing type gas cutter and ensures operation ease. As cutting tip is at the center of magnet roller and cutting in close contact with the tracing template, high-precision and eye-pleasing cut faces are ensured.
- ◀ It is made of stainless steel, which greatly reduces the weight. Therefore it is an ideal portable machine.
- ◀ It is designed for cutting a heavy workpieces, and the rail length can be adjusted according to workpiece dimension. This design accordingly expands the cutting capacity and the cutting efficiency.
- ◀ Easy to replace the cutting tip
- ◀ The tip can be replaced and cleaned and the flame adjusted easily by merely raising the tracer head.

Order NO.	Model NO.	Supply Voltage V/HZ	L×W×H (mm)	Cutting Thickness (mm)	Cutting Speed (mm/min)	Dia.of.circle Cutting (mm)	Length Of Line Cutting (mm)	Max.size Of Cutting Square (mm)	Max.size Of Cutting Rectangle (mm)	Total Weight (Kg)
HW1201	CG ₂ -150A	AC220/50	1390×335×800	6-100	50-750	Φ20-Φ1800	1650	1270×1270	1700×340 500×1650	61.5
HW1206	CG ₂ -2700	AC220/50	1300×480×800	6-100	50-750	Φ20-Φ2700	2500	1900×1900	650×2500	114
HW1280	HK-54D	AC 220/50	1200×420×700	6-100	100-1000	Φ30-Φ700	1200	30-600	/	45

Profiling Gas Cutter

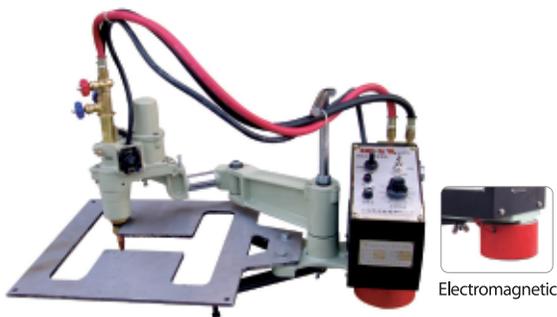


KMQ-1 Portable Profiling Gas Cutter



- ◀ The main body is made of aluminum alloy, light and portable.
- ◀ Speed system is adjusted by controlled silicon.
- ◀ High precision in cutting and portable for operating.
- ◀ Especially for batch producing of parts in same pattern.
- ◀ Applied to shipbuilding, boiler making, and metallurgy, metal structure manufacturers etc.
- ◀ Suitable for field work.

KMQ-1A Portable Profiling Gas Cutter



- ◀ Made of aluminum alloy, light and portable.
- ◀ Speed system by controlled silicon; permanent magnet or electromagnetic steel is optional to attract this machine.
- ◀ Cutting for different shape followed pattern.
- ◀ Easy operating.
- ◀ Especially suitable for batch cutting of same pattern.
- ◀ Application in shipbuilding, oil and metal industry, etc.

HK-82-900 Portable Profiling Gas Cutter



- ◀ This machine is the most advanced magnetic tracing type gas cutter and ensures operation ease. As cutting tip is at the center of magnet roller and cutting in close contact with the tracing template, high-precision and eye-pleasing cut faces are ensured.
- ◀ It is made of stainless steel, which greatly reduces the weight. As ideal portable machine.
- ◀ It is designed for cutting a heavy workpieces, and the rail length can be adjusted according to workpiece dimension.
- ◀ This design accordingly expands the cutting capacity and the cutting efficiency.
- ◀ Easy to replace the cutting tip
- ◀ The tip can be replaced and cleaned and the flame adjusted easily by merely raising the tracer head.

Order NO.	Model NO.	Setting Mode	Supply Voltage V/HZ	Cutting Thickness (mm)	Dia.of.circle Cutting (mm)	Max.size Of Cutting Rectangle (mm)	Rectangle (mm)	Total Weight (Kg)
HW1203	KMQ-1	Permanent fixed	AC220/50	6-30	Φ100-Φ300	600×200	24	15
HW1207	KMQ-1A	Electromagnetic fixed	AC220/50	6-30	Φ100-Φ300	600×200	24	16
HW1208	HK-82-900	/	AC220/50	5-50	/	/	16	9.5

Circular Gas Cutter



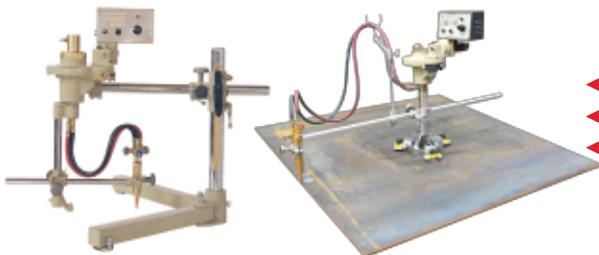
CG₂-200 Circular Gas Cutter

- ◀ The main body and frame are made of aluminum alloy, its features including light, strong, and portable.
- ◀ Strong permanent magnet to ensure the machine absorbs to the plate, to make cutting easily.
- ◀ Easy to operate and rotating type distributor avoids cable twisting.
- ◀ This machine is especially suitable for value hole, flange and other round shape parts as well.
- ◀ Widely use in shipbuilding, boiler, chemical and mechanical process industry, etc.



HK-200 Circular Gas Cutter

- ◀ The main body and frame are made of aluminum alloy, its features including light, strong, and portable,
- ◀ Strong magnetic adsorption makes cutting of hole in slope and vertical easily.
- ◀ Easy to operate and with rotating type distributor to avoid cable intertwest;
- ◀ Bevel range: 0-45° ;
- ◀ Widely use in shipbuilding, oil, and metal, mechanical process industry, etc.



CG₂-600

CG₂-2000

CG₂-600/1000/2000 Circular Gas Cutter

- ◀ The main body is made of aluminum alloy, light and portable.
- ◀ Especially for cutting of circular parts, round hole and flange.
- ◀ Widely applied to oil production, chemical industry, shipbuilding and metal structure process.



CG₂-600II Circular Gas Cutter (Two-Torch)

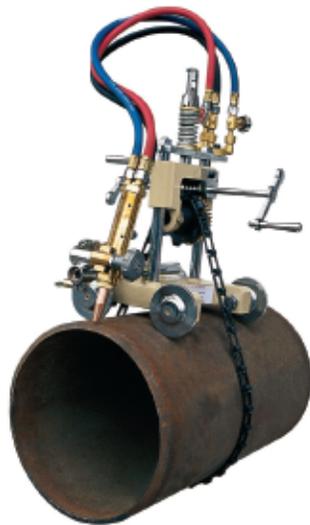
- ◀ The main body and frame are made of aluminum alloy, and easy to move by idler wheel.
- ◀ Two torches used to increase efficiency of cutting.
- ◀ Speed system is adjusted by controlled silicon.
- ◀ Rotating type gas distributor avoids hoses twisting.

Order NO.	Model NO.	L×W×H (mm)	Supply Voltage V/Hz	Cutting Thickness (mm)	Dia.of.circle Cutting (mm)	Cutting Speed R/P/M	Cutting Precision (mm)	Total Weight (Kg)
HW1222	CG ₂ -200	500×350×420	AC220/50	6-50	Φ40-Φ200	0.14-3.3	< 1	15
HW1223	HK-200	450×395×360	AC220/50	6-50	Φ40-Φ200	0.5-6.5	< 1	11.5
HW1220	CG ₂ -600	750×300×700	AC220/50	6-100	Φ30-Φ600	0.2-6.0	< 1	28
HW1224	CG ₂ -1000	1200×340×700	AC220/50	6-100	Φ100-Φ1000	0.2-6.0	< 1	50
HW1226	CG ₂ -2000	1250×500×650	AC220/50	6-100	Φ400-Φ2000	0.2-6.0	< 1	19.6
HW1221	CG ₂ -600II	1200×340×700	AC220/50	6-50	Outside Φ200-Φ600 Inside Φ100-Φ500	0.2-6.0	< 1	55

Pipe Gas Cutter



CG₂-11G Manual Pipe Cutter



- ◀ The main body is made of aluminum alloy, light and portable.
- ◀ Chain belt is used for lock of pipe and cutter, flexible and convenient in operation.
- ◀ Chain belt can be adjusted according to diameter of pipe.
- ◀ Bevel angle: I.Y.V (45°).
- ◀ Applied to boiler making, oil production, and chemical factory, etc.
- ◀ Especially applied for field work without power supply.

- Note: the attached chain can be used for maximum OD of pipe cutting is 600mm.
OD: Outside Diameter

CG₂-11S Big Manual Pipe Cutter

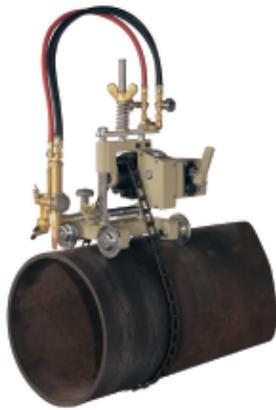


- ◀ The main body is made of high strength alloy aluminum by die-casting with compact structure.
- ◀ This machine uses two-chains belt to ensure the body fastening to pipe.
- ◀ Reducing or adding chains for different OD pipe cutting.
- ◀ Cutting speed controlled by hand. also for slope I, V(45°) cutting.
- ◀ Good at field work with no electricity source as well as large OD pipe.
- ◀ Suitable for ship building, oil. chemical, and metal structure factory, etc.

- Note: the attached chain can be used for maximum OD of pipe cutting is 1000mm.
OD: Outside Diameter

Order NO.	Model NO.	L×W×H (mm)	Min Dia Pipe (mm)	Cutting Thickness (mm)	Cutting Speed (mm/min)
HW1210	CG ₂ -11G	420×280×450	Φ150	6-50	hand-control
HW1211	CG ₂ -11S	515×370×510	Φ250	6-50	hand-control

Pipe Gas Cutter



CG2-11D Automatic Pipe Gas Cutter

- ◀ The main body is made of aluminum alloy, light and portable.
- ◀ Its driven by motor with shift gear.
- ◀ It has high cutting quality and stability of movement.
- ◀ Chain belt is used for lock of pipe and cutter, flexible and convenient in operation.
- ◀ Chain belt can be added or reduced, adjusted according to diameter of pipe.
- ◀ Applied to oil and chemical engineering project.
- ◀ Bevel angle: I.Y.V(45°).



CG2-11B Stainless Steel Pipe Gas Cutter

- ◀ The main body is made of aluminum alloy, light and portable.
- ◀ A plasma cutter should be used for stainless steel cutting.
- ◀ It's driven by motor of shift gears.
- ◀ It has high cutting quality and stability of movement.
- ◀ Chain belt is used for lock of pipe and cutter, flexible and convenient in operation.
- ◀ Chain belt can be adjusted as per diameter of pipe.
- ◀ Applied to oil and chemical engineering project.
- ◀ Bevel angle: I.Y.V (45°).



Lithium Battery

CG2-11D/G Manual / automatic integrated pipe cutting machine

- ◀ The machine has small volume, light weight, firm and durable integrated body.
- ◀ Low center of gravity design, stable running, convenient operation, good cutting circumference.
- ◀ The machine is provided with manual / automatic integrated structure, equipped with random battery power, it can also realize the automatic cutting in the absence of an external power supply environment, and the battery is durability, can work for nearly 6 hours each time when fully charged.
- ◀ The machine can also be operated manually cutting, chamfering operation in case there is no electricity.
- ◀ Widely used in petroleum, chemical industry pipeline and other project pipeline cutting.

Order NO.	Model NO.	L×W×H (mm)	Supply Voltage V/Hz	Dia.of.circle Cutting (mm)	Cutting Thickness (mm)	Cutting Speed (mm/min)	Total Weight (Kg)
HW1213	CG ₂ -11D	265×420×450	AC220/50	Ø150-Ø600	6-50	5-1150	16
HW1212	CG ₂ -11B	265×420×450	AC220/50	Ø150-Ø600	According to Plasma power	5-2300	14.5
HW1214	CG ₂ -11D/G	285×420×450	AC220/50 & Lithium Battery	Ø150-Ø600	6-50	50~750	15

Pipe Gas Cutter



With steel belt device

CG₂-11 Magnetic Pipe Gas Cutter

- ◀ The main body is made of aluminum alloy, light and portable.
- ◀ It adopts permanent magnet wheel to crawl on pipe while cutting.
- ◀ Can be used for parallel, upright and face upward cutting.
- ◀ Bevel angle: I.Y.V (45°).
- ◀ Especially for pipe cutting, convenient in operation.
- ◀ Widely applied to oil production, chemical pipe project.

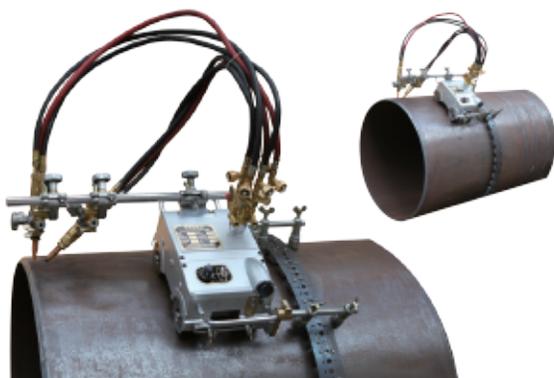
★ Remark: If the dia>600mm, should use optional guide band.



CG₂-11A Magnetic Pipe Cutting Machine (wireless remote control)

- ◀ The main body is made of aluminum alloy, light and portable.
- ◀ It adopts permanent magnet wheel to crawl on pipe while cutting.
- ◀ Can be used for parallel, upright and face upward cutting.
- ◀ Bevel angle: I.Y.V (45°).
- ◀ Especially for pipe cutting, convenient in operation.
- ◀ Widely applied to oil production, chemical pipe project.

★ Remark: If the dia>600mm, should use optional guide band.



CG₂-11-II Magnetic Pipe Gas Cutter

- ◀ The main body is made of aluminum alloy, light and portable.
- ◀ It adopts permanent magnet wheel to crawl on pipe while cutting.
- ◀ Can be used for parallel, upright and face upward cutting.
- ◀ Especially for pipe cutting, convenient in operation.
- ◀ Double torches cutting, beveling range: I.Y.V (45°)
- ◀ widely applied to oil production, chemical pipe project.

Order NO.	Model NO.	L×W×H (mm)	Supply Voltage V/Hz	Dia.of.Circle Cutting (mm)	Cutting Thickness (mm)	Cutting Speed (mm/min)	Magnetic Adsorbability (Kg)	Weight (Kg)
HW1211	CG ₂ -11	350×310×180	AC220/50	> Ø108	6-50	50-750	> 50	20
HW1209	CG ₂ -11A	350×310×180	AC220/50	> Ø108	6-50	50-750	> 50	20
HW1239	CG ₂ -11-II (Twotorch)	450×230×210	AC220/50	> Ø110	6-50	50-750	> 50	20.5

Pipe Gas Cutter

CG₂-11G-PI Hand Pipe Cutter (Quick Install)



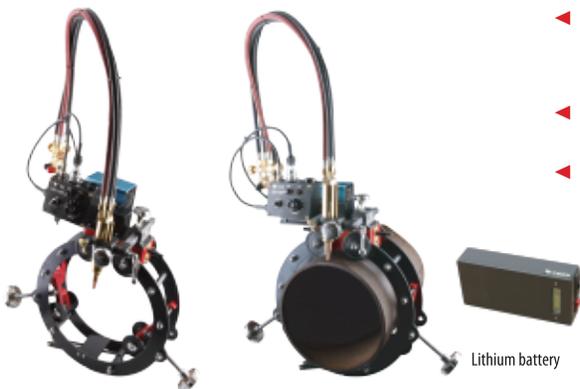
- ◀ It uses integration machine design to ensure this machine with a small volume, compact structure and light weight so that this machine can be moved and installed easily.
- ◀ Cutting speed can be controlled by hand, also do I- V(45°) cutting.
- ◀ It is suit for outside working without electronic power supply
- ◀ It is suitable for ship building, oil chemical, and metal structure factory,etc.

CG₂-11G-PII Hand Pipe Cutter (Quick Install)



- ◀ It uses integration machine design to ensure this machine with a small volume, compact structure and light weight so that this machine can be moved and installed easily.
- ◀ Cutting speed can be controlled by hand, also do I- V(45°) cutting.
- ◀ It is suit for outside working without electronic power supply
- ◀ It is suitable for ship building, oil chemical, and metal structure factory,etc.

CG₂-11D-PII Hand Pipe Cutter (Quick Install)



- ◀ It uses integration machine design to ensure this machine with a small volume, compact structure and light weight so that this machine can be moved and installed easily.
- ◀ It equips a battery power which can ensure this machine can work up to 6 hours without electronic power supply.
- ◀ It is suit for outside working without electronic power supply
It is suitable for ship building, oil chemical, and metal structure factory,etc.

Order NO.	Model NO.	L×W×H (mm)	Supply Voltage V/Hz	Dia.of.Circle Cutting (mm)	Cutting Thickness (mm)	Cutting Speed (mm/min)
HW1217	CG ₂ -11G-PI	165×265×405	AC220/50	Ø80-150	6-50	Manual
HW1218	CG ₂ -11G-PII	165×460×580	AC220/50	Ø121-273	6-50	Manual
HW1219	CG ₂ -11D-PII	165×460×580	Lithium battery	Ø121-273	6-50	50-750

Pipe Crossing Cutter

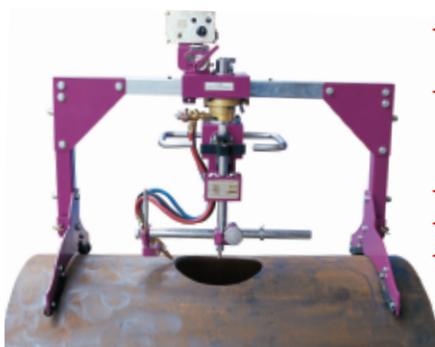


HK Series Pipe Crossing Cutter

- ◀ For decreasing the weight, the machine body is made of aluminum alloy, with a compact structure.
- ◀ Speed system is adjusted by stepless controlled silicon.
- ◀ Specialized in pipe crossing joint, sinusoid cutting, vertical pipe and slope cutting.
- ◀ This machine can be operated both by electrical power and hand; depending on working situation.
- ◀ The same template can be used for same saddle shape with different diameter pipe.

Order NO.	Model NO.	L×W×H (mm)	Supply Voltage (V/Hz)	Dia.of.cirde Cutting (mm)	Cutting Thickness (mm)	Cutting Curve Maxm. height (mm)	Cutting Speed (R/Min)	Total Weight (kg)
HW1230	HK-102	560×505×485	AC220/50	Φ38-Φ102	6-50	80	0.14-5.8	15
HW1231	HK-203	560×505×485	AC220/50	Φ76-Φ203	6-50	110	0.14-2.5	29
HW1232	HK-305	570×590×570	AC220/50	Φ152-Φ305	6-50	110	0.14-2.5	36.5
HW1233	HK-500	780×820×660	AC220/50	Φ305-Φ500	6-50	110	0.6-1.1	56.5

HK-600D/1000D Auto Pipe Hole Cutter



- ◀ This cutter is used for cutting of high pressure container, T jointed of heat-exchanger and plan hole.
- ◀ The height of cutting torch is easy to set, the self-lock system for torch up/down is designed by triangle principle to ensure the machine tracks the curve recisely.
- ◀ Use the infinitude rotating distributor, so that hose has no Intertwist.
- ◀ Special designing for decreasing body weight to take it conveniently.
- ◀ Torch controll by clutch, quick locating can be made by handle.

Order NO.	Model NO.	L×W×H (mm)	Supply Voltge V/Hz	Dia.of.cirde Cutting (mm)	Cutting Thickness (mm)	Cutting Curve Maxm. height (mm)	Cutting Speed (R/mm)	Rate Of Circular Cutting Diameter To Pipe Diameter	Weight (Kg)
HW1215	HK-600D	1060×560×820	AC220/50	Φ80-Φ600	6-50	96	0.14-1.2	1:2 or greater than the number of	50
HW1216	HW-1000D	1460×560×820	AC220/50	Φ80-Φ1000	6-50	96	0.14-1.2	1:2 or greater than the number of	54

Handy Auto Cutter



HK-66 Tow of Cutter

- ◀ It's made of fine brass and the speed-down unit consists of high precision gear box.
- ◀ It keeps running steadily, controlled by two wheels to ensure its cutting upright and steadily.
- ◀ V shape beveling can be processed by adjusting torch holder.



HK-55 Handy Auto Cutter

HK Servies Handy Auto Cutter

- ◀ It's made of fine aluminum and driven by DC servomotor.
- ◀ Running steadily.
- ◀ V shape groove and curve can be processed by substituting parts.



HK-55D Handy Auto Cutter(Auto-ignition)

HK-55P Handy automatic cutter (for plasma)

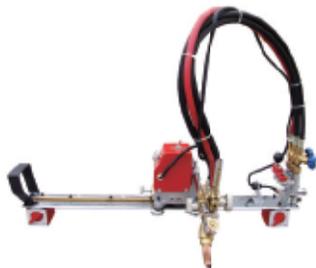


- ◀ The case is made of flame retardant PC, compact structure.
- ◀ Small volume, easy to carry, can achieve manual cutting in a variety of occasions.
- ◀ The fuselage with arc starting switch and walking speed adjustment knob, in this way the operation is very convenient.
- ◀ The machine adopts DC12V safe voltage input voltage power supply, safe and reliable.
- ◀ The replacement of accessories is suitable for groove, curve and circle cutting.
- ◀ Suitable for shipbuilding, petroleum, chemical machinery and other industries.
- ◀ The cutting speed: 100-1500mm/min weight 8Kg

Note: Cutting thickness according to plasma power source

Order NO.	Model NO.	L×W×H (mm)	Supply Voltage (V/Hz)	Speed (mm/min)	Total Weight (kg)
HW1260	HK-66	220×200×120	/	constant speed	4
HW1270	HK-55	500×200×150	AC220/50	50-800	15
HW1271	HK-55D	500×200×150	AC220/50	50-800	15
HW1272	HK-55P	500×200×150	AC220/50	100-1500	8

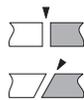
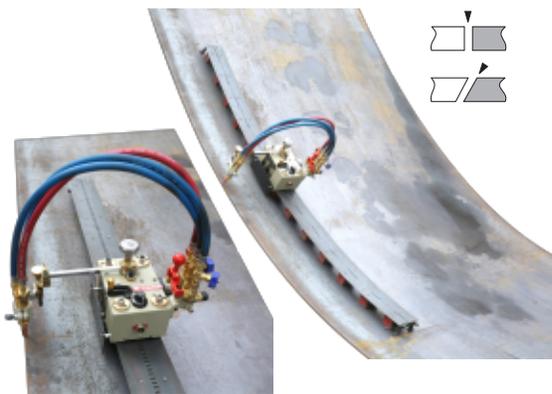
Gas Cutting Machine



Motor Drive

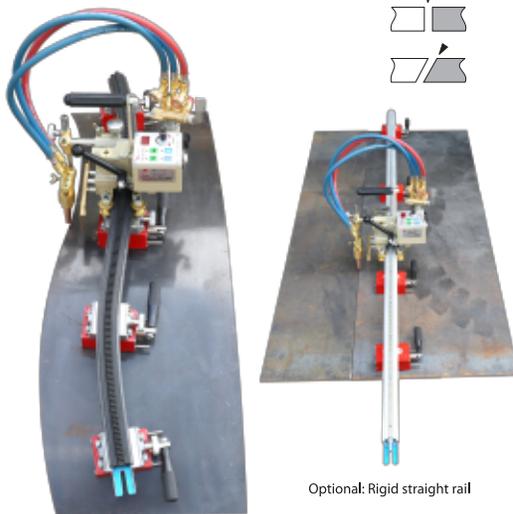
HK-05A Suspendor cutter

- ◀ Used for cutting suspendor in ship building, bridges construction etc.
- ◀ As automatic cutter, it provides high quality of the cutting section.
- ◀ Compared with hand-cutting, this machine provides higher precision and better quality in the surface of the cutting without polishing.
- ◀ Without any polishing for cutting surface results from moving and welding the suspendor.



CG1-13 Multi-direction Gas Cutter

- ◀ The main body and frame is made of aluminum alloy, its features including light, strong, and portable.
- ◀ The speed is adjusted by controlled silicon unit.
- ◀ It is easy to load or unload and easy for operation, and suitable for vertical cutting, horizontal cutting, and cutting of face upward, curve-shape etc.
- ◀ Widely use in shipbuilding, boiler, chemical and metal industry, etc.



Optional: Rigid straight rail

HK-72T 3D Cutting Machine

- ◀ The main body is made of high strength aluminum alloy, produced precisely by die-casting, light and compact.
- ◀ The Light weight is 5.6kgs, easy for operating.
- ◀ Attached with angle gauge which can make torch turned precisely to bevel.
- ◀ Attached with clutch unit, losing the handle of clutch, the machine can move along the rail steadily.
- ◀ The rail made of hard rubber can be used for 3D and 2D curve cutting. Inside of rubber rail there is the flexible core material which can avoid uneven cutting occurred by some general rubber rail.
- ◀ Mainly used in different shapes of steel cutting such as profiled bar, boiler, shipbuilding, and curve plate, etc.

Order NO.	Model NO.	Supply Voltage (V/Hz)	Cutting Thickness (mm)	Cutting Speed (mm/min)	Minimum Curve Radius (mm)	Fixed Mode	L×W×H (mm)	Weight (kg)
HW1282	HK-05A	AC220/50	5-30	100-850	/	Permanent magnet	360×710×233	10.5
HW1051	CG1-13	AC220/50	6-30	50-750	700	/	230×200×230	15
HW1052	HK-72T	AC220/50	6-30	100-700	2000 (Three-dimensional guide)	/	190×195×140	11KG(Including rail)

Equal-pressure High-Speed Tip



GO₂ Other pressure acetylene cutting tip

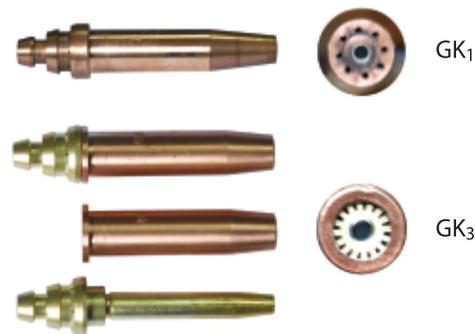
Order NO.	Mow Mouth Number	Cutting oxygen Aperture mm	Cutting Thickness mm	Cutting Speed mm/min	Gas pressure		Gas consumption	
					Oxygen MPA	Acetylene MPA	Oxygen (m ³ /H)	Acetylene (l/H)
HW1101	00	0.8	5-10	600-450	0.2-0.3	>0.03	0.9-1.3	340
HW1102	0	1.0	10-20	480-380	0.2-0.3	>0.03	1.3-1.8	340
HW1103	1	1.2	20-30	400-320	0.25-0.35	>0.03	2.5-3	470
HW1104	2	1.4	30-50	350-280	0.25-0.35	>0.03	3-4	470
HW1105	3	1.6	50-70	300-240	0.3-0.4	>0.04	4.5-6	620
HW1106	4	1.8	70-90	260-200	0.3-0.4	>0.04	5.5-7	620
HW1107	5	2.0	90-120	210-170	0.4-0.6	>0.04	8.5-10.5	620
HW1108	6	2.4	120-160	180-140	0.5-0.8	>0.05	12-15	780
HW1109	7	2.8	160-200	150-110	0.6-0.9	>0.05	21-24.5	1000
HW1110	8	3.2	200-270	120-90	0.6-1.0	>0.05	26.5-32	1000
HW1111	9	3.6	270-350	90-60	0.7-1.1	>0.05	40-45	1300
HW1112	10	4.0	350-400	70-50	0.7-1.2	>0.05	49-58	1600

Equal-pressure Tip

- ◀ It's made of casting copper with precise process, safe and durable.
- ◀ 30° of joint plane, interchangeable for any tips.

GO₃ Other pressure propane cutting tip

Order NO.	Mow Mouth Number	Cutting oxygen Aperture mm	Cutting Thickness mm	Cutting Speed mm/min	Gas pressure		Gas consumption	
					Oxygen MPA	Acetylene MPA	Oxygen (m ³ /H)	Acetylene (l/H)
HW1141	0	0.7	5-10	600-450	0.2-0.3	>0.03	1.1	320
HW1142	1	0.9	10-20	480-380	0.2-0.3	>0.03	1.5	320
HW1143	2	1.2	20-35	400-320	0.3-0.4	>0.03	2.8	450
HW1144	3	1.5	35-60	350-280	0.3-0.4	>0.03	4	450
HW1145	4	1.8	60-90	300-240	0.4-0.6	>0.04	6	600
HW1146	5	2.1	90-130	260-200	0.4-0.6	>0.04	9	600
HW1147	6	2.4	130-180	220-180	0.5-0.7	>0.04	15	750
HW1148	7	2.7	180-250	200-160	0.5-0.7	>0.05	22	980
HW1149	8	3.1	250-300	180-140	0.5-0.7	>0.05	28	980
HW1150	9	3.5	300-380	130-90	0.6-0.8	>0.05	45	1200
HW1151	10	4.0	380-450	90-60	0.6-0.8	>0.05	55	1500



GK₁ Etc. Fast cutting nozzle pressure acetylene

Order NO.	Mow Mouth Number	Cutting oxygen Aperture mm	Cutting Thickness mm	Cutting Speed mm/min	Acetylene MPA	Cutting oxygen pressure	Cutting oxygen Consumption (m ³ /H)
HW1120	1	0.6	5-10	700-500	>0.03	0.7-0.8	1.25
HW1121	2	0.8	10-20	600-380	>0.03	0.7-0.8	2.23
HW1122	3	1.25	20-40	500-350	>0.03	0.7-0.8	3.48
HW1123	4	1	40-60	420-300	>0.03	0.7-0.8	5.44
HW1124	5	1.5	60-100	320-200	>0.03	0.7-0.8	7.84
HW1125	6	1.75	100-150	260-140	>0.04	0.7-0.8	10.68
HW1126	7	2	150-180	180-130	>0.04	0.7-0.8	13.9

Equal-pressure High-speed Tip

- ◀ Laval nozzle is used as oxygen cutting tip for high speed cutting.
- ◀ The cutting speed is 20%-30% faster than equal-pressure tip.
- ◀ High precision of cutting, roughness.
- ◀ GK1 nozzle uses acetylene as its fuel gas.
- ◀ GK3 nozzle uses propane as its fuel gas.

GK₃ Etc. Fast cutting nozzle pressure propane

Order NO.	Mow Mouth Number	Cutting oxygen Aperture mm	Cutting Thickness mm	Cutting Speed mm/min	Acetylene MPA	Cutting oxygen pressure	Cutting oxygen Consumption (m ³ /H)
HW1162	1	0.6	5-10	700-450	>0.03	0.5-0.6	0.99
HW1163	2	0.8	10-20	550-340	>0.03	0.5-0.6	1.76
HW1164	3	1	20-40	450-300	>0.03	0.5-0.6	2.75
HW1165	4	1.25	40-60	380-250	>0.03	0.5-0.6	4.3
HW1166	5	1.5	60-100	300-180	>0.03	0.5-0.6	6.19
HW1167	6	1.75	100-150	200-130	>0.04	0.5-0.6	9.5

Meticulously Design · Precisely Production · Excellent Service · Scientific Management

CNC Cutter



CNC Cutter

CNC Pipe Intersecting Line Cutter

Features

The machine adopts numerical control with 2~7 control shafts according to different requirement to meet working various machine models .we also can renew software and hardware according to user's need. Each type can realize linkage of control shafts and has functions of cutting different intersecting line, intersecting pore, groove of fixed-angle and groove of fixed-point.

The structure of machine is advanced designed. It has interactive function: the Chinese character interface and graph combines with data. It is easy to operate and works well for long time. The software designs reasonable cutting inlet and outlet to assure the cutting quality. After cutting, the parameters can be saved as a processing file to attain data base.

This machine also can have function of axis check to measure the pipe ellipticity or error and finish the dynamic compensation automatically. It can do oxygen cutting or plasma cutting according to user's demand. We can design and make the pipe (radius, length) according to user's demand and supply related production and processing software.

CNC Cutter

CNC Pipe Intersecting Line Cutter

Tee	Saddle	Rectangular channel cutting on main pipe	Open pore on oblique crossing main pipe	Multi-pipe intersecting cutting
	 Double miter	 Rectangular hole	 Miter cutting	 Multiple saddle
Tee hole	 Cross eccentric additional pipe cutting	 Main pipe flute cutting	 Open pore on oblique crossing eccentric main pipe	 Ends cutting of pipe
Circular holes	 Cross eccentric additional pipe cutting	 Main pipe flute cutting	 Pipe end cutting	 Intersecting Cutting of ring pipe
Centex line offset	 Oblique crossing eccentric additional pipe cutting	 Main pipe flute cutting (eccentric)	 Straight	 Miter

XG series intersection line CNC pipe cutting machine



XG series intersection line CNC pipe cutting machine

XG series chucking intersection line CNC pipe cutting machine is able to develop cutting programs automatically and uses these programs to cut holes and pipe end cutting of the various of pipes.

- ◀ The machine improve the traditional method to increase working efficiency. It is because
- ◀ workers do not need to do several things including model making, marking-out and manual cutting etc.
- ◀ The machine has a powerful and smart controller so the operator just input the basic parameters such as diameter of pipe, thickness of pipe and angle of the intersection to generate programs of intersection.
- ◀ The machine applies a digital controller, and the number of aixs can be set from three and
- ◀ seven according to customer's needs.

The machine is easy to operate with a compact structure to increase the long-term reliability and stability.

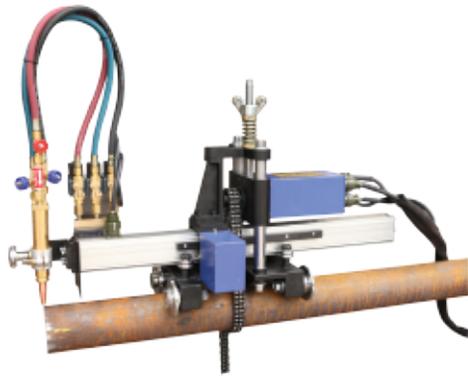
The machine can do flame cutting and plasma cutting according to cutomers' needs.

This machine is widely used for steel structure, petroleum pipeline, shipbuilding, Ocean Engineering and metalworking etc.

Model	Diameter of Pipe (mm)	Length of Pipe (mm)	Thickness of Pipe (mm)	Max Load Capacity	Number of Axis	Cutting speed mm/min	Cutting Mode	Supply voltage
XG-630	60~630	3000	6~80	8000	3.4.5.6.7	flame: 50~750	Flame or	machine: AC220V/50Hz
XG-800	60~800	9000	6~80	8000	3.4.5.6.7	plasma:	plasma	plasma: AC380V/50Hz
XG-1000	60~1000	12000	6~80	8000	3.4.5.6.7	300~3000		

Note: Cutting width, track length, flame / plasma torch are optional

Mini-size CNC Cutting Machine



PNC-500



Additional guide rails (optional)



PNC-1200



Portable CNC pipe cutting machine

- ◀ The machine can pipe end cutting such as miter.
- ◀ The machine is able to do the tee holes, circular holes and centex line offsets by different positions for pipes with different diameter.
- ◀ The machine is able to do the saddle such as double miter, cross eccentric additional pipe cutting, coss eccentric additional pipe cutting and oblique crossing eccentric additional pipe cutting.
- ◀ The machine can do the rectangular holes.
- ◀ The machine can do the ends cutting of pipe.

Model	Track Length (mm)	Efficient cutting Length (mm)	Efficient Pipe Diameter (mm)	Supply Voltage (V)
PNC-500-A	650	300	Φ80-Φ500	AC220V/50HZ
PNC-500-B	850	500	Φ80-Φ500	AC220V/50HZ
PNC-1200-A	1250	900	Φ250-Φ1200	AC220V/50HZ
PNC-1200-B	1550	1200	Φ250-Φ1200	AC220V/50HZ

CNC Pipe&Plate cutting machine



CNC CUTTER

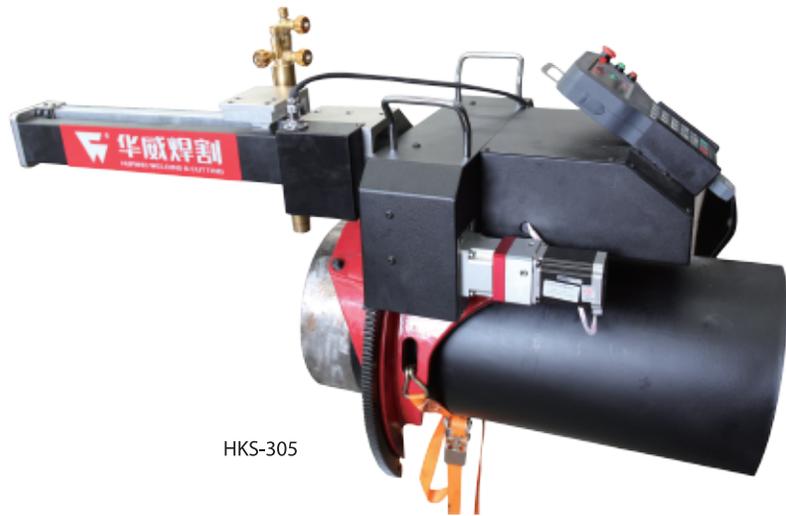
XG-300J CNC Pipe&Plate cutting machine

- ◀ It is able to do the plate cutting and pipe cutting.
- ◀ For the pipe with diameter $\leq 300\text{mm}$, it is able to do the tee holes, circular holes and centex line offsets by different positions for pipes
- ◀ It can ends cutting of split elbow.
- ◀ It is able can do the rectangular holes and ends cutting pipe.
- ◀ It uses a high-quality drive system to ensure high moving stability and mechanical precision.

Model NO.	L×W×H (mm)	Dia.of.circle Cutting (mm)	Plate cutting range (mm)	Supply Voltge V/Hz	No. of cutting torch set	Cutting Speed (R/mm)	Max no-loading speed mm/min	Weight (Kg)
XG-300J	4050×120×80	$\leq \Phi 300$	1800-3000	AC220V/50HZ	1	50-750	3000	506

CNC Pipe&Plate cutting machine

CNC Cutter



HKS-305



HKS-500

Portable CNC intersecting pipe line cutting machine.

In order to reduce the weight, the machine structure materials are all made of aluminum alloy. The machine is compact and well designed.

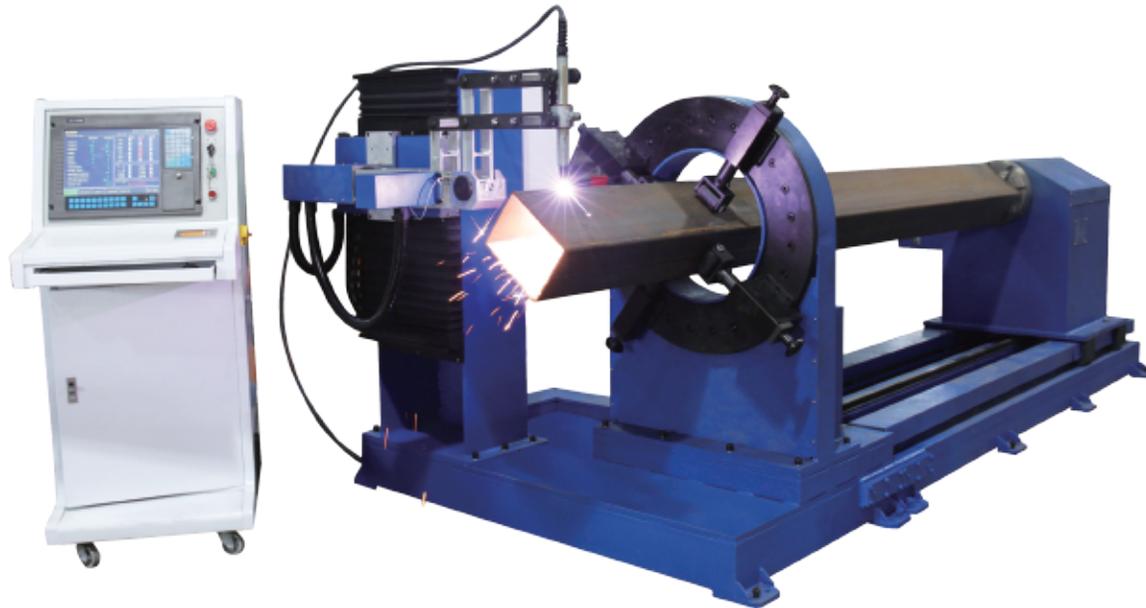
Small size, light weight, suitable for outdoor operations.

Pure CNC operation, a variety of cutting functions, simple operation.

It could bevel for specified degree. Applicable to pipes with poor roundness.

Model NO.	L×W×H (mm)	Voltage	Horizontal cutting range (mm)	Cutting thickness (mm)	Diameter of cutting pipe (mm)	Max cutting vector height (mm)	Cutting accuracy (mm)
HKS-305	1042X500X546	AC220V/50HZ	0-400	6-50	Φ152-Φ305	110	<1
HKS-500	1400X820X660	AC220V/50HZ	0-600	6-50	Φ305-Φ500	110	<1

CNC Cutter



CNC CUTTER

Portable CNC intersecting square tube cutting machine.

XG series of CNC intersecting square tube cutting machine

Introduction: XG series chuck-type CNC intersecting square tube cutting machine can achieve rectangular, tapered, multi-ribbed, oval tube and other special-shaped pipe cutting technology needs.

The machine has improved the traditional processing to be produced model, crossed, artificial lofting, manual cutting, manual grinding and other backward and heavy processing methods.

AUTOCAD space programming system, configure the system application plug-in, you can clearly and simply modeling. This machine is digitally controlled. The number of axes controlled has three different axes to seven axes for the customer to choose from.

The machine structure is advanced and reliable, the operation is very simple. Applicable to long-term continuous processing, operation control is stable and reliable.

Cutting method can be selected according to user requirements flame cutting or plasma cutting.

This machine is widely used in steel structure, oil pipeline, shipbuilding, marine engineering, metal processing industry.

Model NO.	Diameter of cutting tube (mm)	Length of cutting tube (mm)	Thickness of cutting tube (mm)	Max weight capacity (Kg)	Cutting speed (mm/min)	Input power
XG-300-Z	60-300	3000-12000	3-20	4000	Flame cutting: 50-750 Plasma cutting: 300-3000	Machine: AC220V/50HZ Plasma: AC380V/50HZ

CNC Plasma Beveling Cutting Machine



Plasma break swivel head

CNC Plasma Beveling Cutting Machine

The main features of the machine

- ◀ Wide, low center of gravity Longmen frame structure is suitable for high speed motion, six axis linkage, infinite rotating cutting torch
- ◀ Deflection motor rotation with the rotary motor, the groove and groove cutting,
- ◀ The torch high speed constant
- ◀ Equipped with cutting torch initial location and anti-collision device



Samples were cut

Model	Track Width mm	Track Length mm	Availability Cutting Width mm	Availability Cutting Length mm	Numerical Control Torches	Cutting Thickness mm	Bevel Angle	Max Unload Move Speed mm/min
HNC-5000P	5000	12000	4000	10000				12000
HNC-6000P	6000	12000	5000	10000	1	Depending on the plasma Power	±45°	12000
HNC-7000P	7000	12000	6000	10000				12000
HNC-8000P	8000	12000	7000	10000				12000

Remarks: Track length can be adjusted according to different requirement .
It can be equipped with torch for drawing over the zinc dust and flame cutting torch.

CNC High Definition / Plasma Cutting Machine



Optional Hypertherm ArcGlide automatic height controller



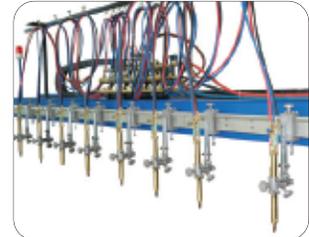
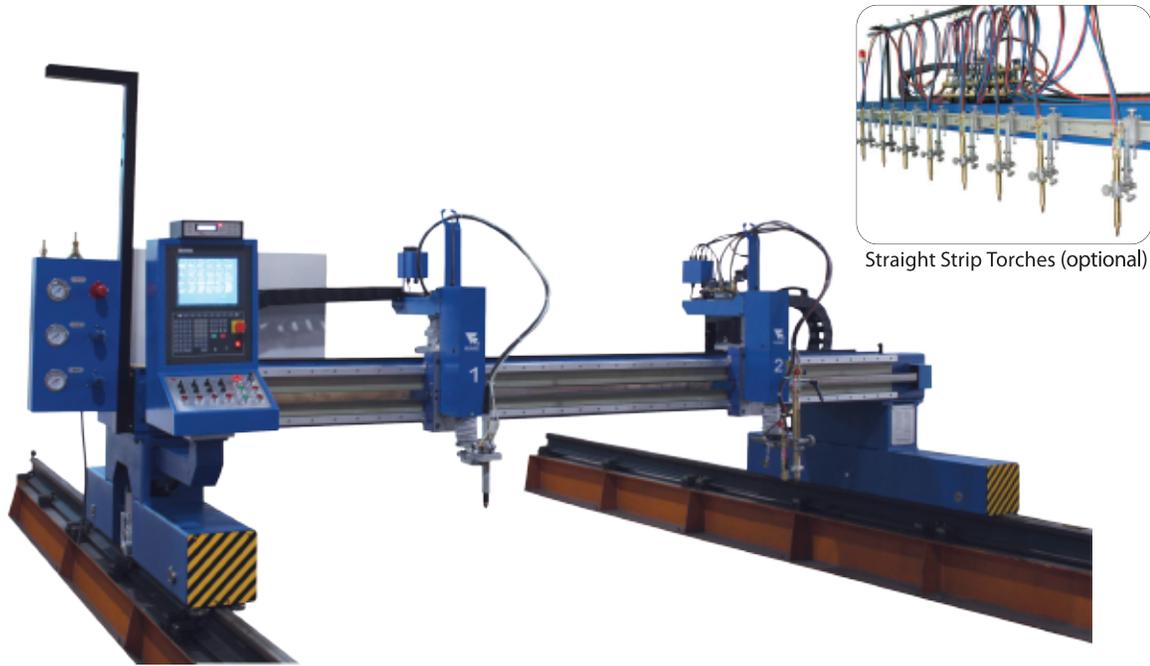
HNC-4000F Flame / Plasma Cutting Machine

CNC High Definition Flame / Plasma Cutting Machine

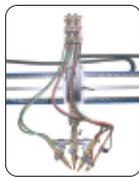
Model	Track Width mm	Track Length mm	Availability Cutting Width mm	Availability Cutting Length mm	Numerical Control Torches	Cutting Thickness mm	Max Unload Move Speed mm/min
HNC-4000F	4000	12000	3200	10000	1	flame : 6 ~ 200 The cutting thickness depends on the plasma power	0-12000 (20000)
HNC-5000F	5000	12000	4200	10000	1		0-12000 (20000)
HNC-6000F	6000	12000	5200	10000	1		0-12000 (20000)
HNC-7000F	7000	12000	6200	10000	1		0-12000 (20000)

Remarks: Width, length and date of cutting torch can be increased or decreased according to demands.
According to user needs it can be equipped with plasma dedusting system.
Can add the flame torch to improve the cutting thickness of carbon steel.
Non-standard equipment can be customized according to user requirements.

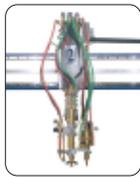
CNC Flame/Plasma Cutting Machine (Heavy Duty)



Straight Strip Torches (optional)



Line triangle cutting torch (Flame)



Single cutting torch (flame), cutting torch with material powder

CNC Flame/Plasma Cutting Machine (Heavy Duty)

On the basis of the multi-head strip cutting machine, we have added the economical and practical numeral-control capacity, which not only can perform cutting strip-plates, but also can cut the various irregular shaped work pieces. We are able to provide the plasma cutting, powder-spraying laying out, auto-adjustment of height and auto-ignition devices in accordance with customers requirements.

Model	Track Width mm	Track Length mm	Availability Cutting Width mm	Availability Cutting Length mm	Numerical Control Torches	Cutting Thickness mm	Cutting Speed mm/min	Max Unload Move Speed mm/min
HNC-3000	3000	12000	2200	10000	2	6-200	50-3000	0-12000
HNC-4000	4000	12000	3200	10000	2	6-200	50-3000	0-12000
HNC-5000	5000	12000	4200	10000	2	6-200	50-3000	0-12000
HNC-6000	6000	12000	5200	10000	2	6-200	50-3000	0-12000
HNC-7000	7000	12000	6200	10000	2	6-200	50-3000	0-12000

Remarks:

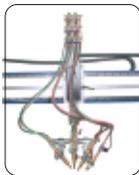
Track gauge, length, and number of cutting torches may be increased or decreased according to user's demands.

Plasma cutting torch may be added.

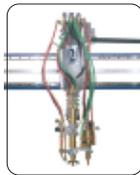
The straight three cutting torch may be added.

The powder-spray marking torch may be added.

NC Flame / plasma cutting machine



Three straight cutting torch(Flame)



Single cutting torch (flame), cutting torch with material powder



CNC intersecting pipe line cutting device.(Optional)

CNC Flame / plasma cutting machine (standard model)

- ◀ Low cost performance and high efficiency CNC cutting machine
- ◀ Rational structural design, good rigidity, and light weight
- ◀ Possessing all functions of gantry CNC, and convenient in operation
- ◀ Adopting servo motor and bilateral drive, with stable running and high cutting quality
- ◀ Main parts such as servo motor, Planetary reducer, and electromagnetic valves are imported

Model	Track Width mm	Track Length mm	Availability Cutting Width mm	Availability Cutting Length mm	Cutting Torches Number	Cutting Thickness mm	Cutting Speed mm/min	Supply Voltage V/ Hz
HNC-3000H	3000	8000	2200	6400	2	6-150	50-3000	AC 220/50
HNC-3500H	3500	8000	2700	6400	2	6-150	50-3000	AC 220/50
HNC-4000H	4000	8000	3200	6400	2	6-150	50-3000	AC 220/50

Remarks:

Track gauge, length, and number of cutting torches may be increased or decreased according to user's demands.

Plasma cutting torch may be added.

The straight three cutting torch may be added.

The powder-spray marking torch may be added.

Can add the CNC intersecting pipe line cutting device.

TNC series table model CNC plasma cutting machine (Economical type)



TNC series table model CNC plasma cutting machine (Economical type)

- ◀ This machine adopts integral structure, making installation easier and more reliable.
- ◀ This machine adopts double-side driving to make torch does longitudinal movement followed straight tracks. The light design of crossbeam has a good rigidity, light self-weight and good stability of movement.
- ◀ The machine is equipped with water tank type dust-removing equipment, in order to achieve environmental protection requirement; a smoking type dust-removing equipment also can be applied according to the customer's needs.
- ◀ The machine is suitable to high-speed cutting thin sheet made of stainless steel, aluminium sheet and nonferrous metals etc. additionally, it also has able to cutting thick plate.
- ◀ The machine is widely applied for sheet-metal working, auto parts, Wind turbines, and steel mould industries etc .

Model	Range of cutting mm	Speed mm/min	Set of torch	Type of torch	Thickness of cutting	Torch lifting distance
TNC-3015	3000X1500	50 ~ 6000	1	Plasma	0.8-30 Depend on plasma power	120
TNC-4020	4000X2000	50 ~ 6000	1			
TNC-5015	5000X1500	50 ~ 6000	1			
TNC-5020	5000X2000	50 ~ 6000	1			

Note: Cutting speed and thickness is depend on the plasma power.
This machine can be customized according to user's needs.

Table Model CNC Plasma Cutting Machine



Table Model CNC Plasma Cutting Machine

TMG series is a high-speed, precision CNC plasma cutting machine or laser class. Using integrated modular structure, making installation quick and easy. Duse extraction system can be installed in order to meet environmental requirements.

The machine is particularly suitable for medium thick, thin non-ferrous metal sheet, stainless steel, aluminum, carbon steel plate of high-speed cutting.

Model	Effective cutting range mm	Drive speed mm/min	Torch number of groups	Torch types	Cutting thickness mm	Lifting distance mm
HNC-TMG3015	3000×1500	50-12000	1	Plasma, Precision plasma Or class laser	Depending on the plasma Power	120
HNC-TMG4020	4000×2000	50-12000	1			120
HNC-TMG6020	6000×2000	50-12000	1			120

Note: Cutting speed and thickness depending on the plasma power
Cutting range and other requirements can be customized according to user requirements

Mini-size CNC Cutting Machine



Optional: Torch height controller

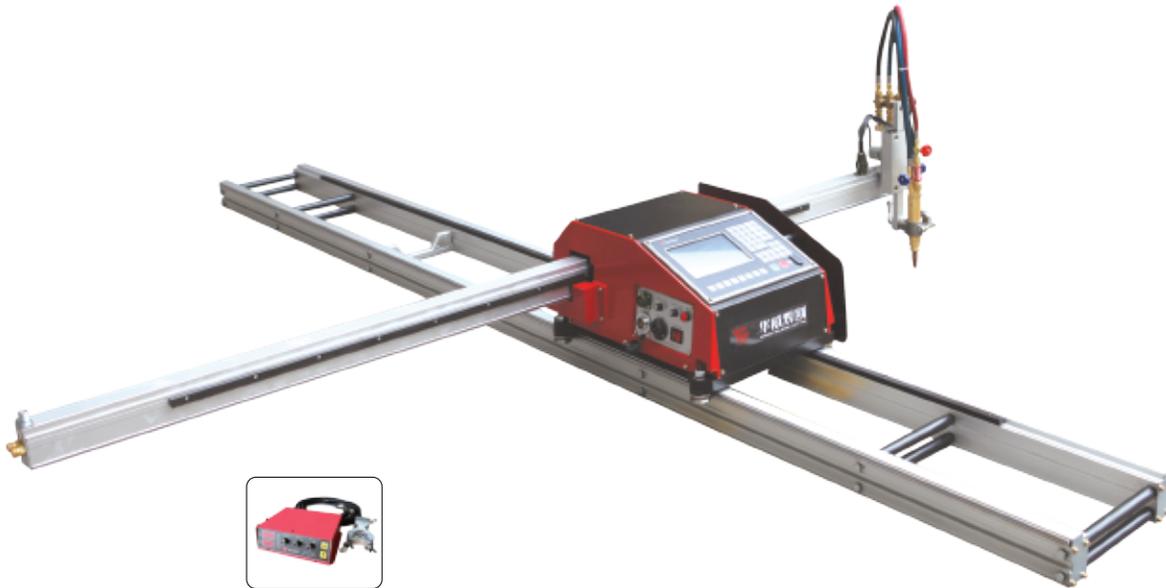
Cantilever type CNC cutting machine

The longitudinal guide rail and the horizontal guide rail are composed of high precision transmission system and aluminum alloy. It make the machine works high-accuracy and stable. This machine can cut any complex plane graphics, suitable for oxygen fuel cutting and plasma cutting and free to move. It widely used in automotive, shipbuilding, petrochemical, boiler and pressure vessels, construction machinery, light industry machinery and other industries. Especially good for single and mass irregular-shape production.

Model NO.	Effective cutting range (mm)	Voltage	Number of torch	Cutting speed (mm/min)	Maximum no-load speed (mm/min)	L×W×H (mm)	Weight (Kg)
HNC-1500X-Q-3	1500-3000	AC220V-50HZ	1	50-750	3000	3.5×2.2×0.34	94
HNC-1500X-Q-4	1500-4000	AC220V-50HZ	1	50-750	3000	4.5×2.2×0.34	118
HNC-1500X-Q-5	1500-5000	AC220V-50HZ	1	50-750	3000	5.5×2.2×0.34	132
HNC-1500X-Q-6	1500-6000	AC220V-50HZ	1	50-750	3000	6.5×2.2×0.34	141
HNC-1500X-3	1500-3000	AC220V-50HZ	1	50-750	3000	3.5×2.2×0.37	141
HNC-1500X-4	1500-4000	AC220V-50HZ	1	50-750	3000	4.5×2.2×0.37	169
HNC-1500X-5	1500-5000	AC220V-50HZ	1	50-750	3000	5.5×2.2×0.37	208
HNC-1500X-6	1500-6000	AC220V-50HZ	1	50-750	3000	6.5×2.2×0.37	240

Note: Can be configured according to customer demand plasma torch.

Mini-size CNC Cutting Machine



Optional: Torch height controller

Mini-size CNC Cutting Machine

Host longitudinal rails imported precision dual axis linear guides, horizontal transmission by a precision aluminum extrusions and components, transmission stability, high accuracy

Can cut any complex plane figures for oxyfuel flame cutting and plasma cutting machine, free to move, not accounting for fixed venue.

Widely used in automotive, shipbuilding, petrochemical, boiler and pressure vessel, engineering machinery, light machinery and other industries, especially for single-piece contoured surface and mass production.

Model	Cutting range mm	Supply Voltage V/Hz	Cutting torch Number of groups	Cutting speed mm/min	Maximum no-load speed mm/min	Overall dimensions L×W×H(M)	Weight
HNC-1500W-J-3.0	1500×3000	AC220V-50HZ	1	50-750	3000	3.5×2.2×0.34	87
HNC-1500W-J-4.0	1500×4000	AC220V-50HZ	1	50-750	3000	4.5×2.2×0.34	101
HNC-1500W-J-5.0	1500×5000	AC220V-50HZ	1	50-750	3000	5.5×2.2×0.34	113
HNC-1500W-J-6.0	1500×6000	AC220V-50HZ	1	50-750	3000	6.5×2.2×0.34	126

Note: Can be configured according to customer demand plasma torch.

Mini-size CNC Cutting Machine



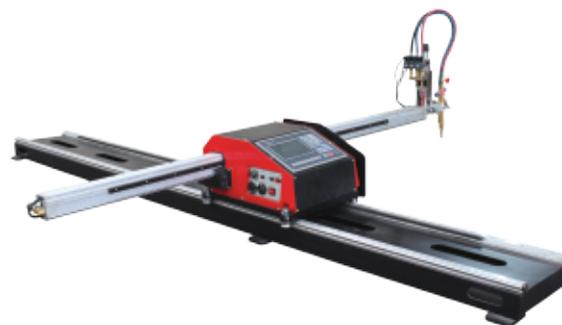
Motorized Lifting



Optional: Torch height controller



Standard(Qseries)



Heavy-duty

Mini-size CNC Cutting Machine

Host longitudinal rails imported precision dual axis linear guides, horizontal transmission by a precision aluminum extrusions and components, transmission stability, high accuracy

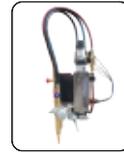
Can cut any complex plane figures for oxyfuel flame cutting and plasma cutting machine, free to move, not accounting for fixed venue.

Widely used in automotive, shipbuilding, petrochemical, boiler and pressure vessel, engineering machinery, light machinery and other industries, especially for single-piece contoured surface and mass production.

Model	Cutting range mm	Supply Voltage V/Hz	Cutting torch Number of groups	Cutting speed mm/min	Maximum no-load speed mm/min	Overall dimensions L×W×H(M)	Weight
HNC-1500W-Q-3	1500×3000	AC220V-50HZ	1	50-750	3000	3.5×2.2×0.34	87
HNC-1500W-Q-4	1500×4000	AC220V-50HZ	1	50-750	3000	4.5×2.2×0.34	101
HNC-1500W-Q-5	1500×5000	AC220V-50HZ	1	50-750	3000	5.5×2.2×0.34	113
HNC-1500W-Q-6	1500×6000	AC220V-50HZ	1	50-750	3000	6.5×2.2×0.34	126
HNC-1500W-3	1500×3000	AC220V-50HZ	1	50-750	3000	3.5×2.2×0.37	134
HNC-1500W-4	1500×4000	AC220V-50HZ	1	50-750	3000	4.5×2.2×0.37	160
HNC-1500W-5	1500×5000	AC220V-50HZ	1	50-750	3000	5.5×2.2×0.37	186
HNC-1500W-6	1500×6000	AC220V-50HZ	1	50-750	3000	6×2.2×0.37	212

Note: Can be configured according to customer demand plasma torch.

Mini-size CNC Cutting Machine



Motorized Lifting



Optional: Torch height controller



Standard(Qseries)



Heavy-duty

Mini-size CNC Cutting Machine

Host longitudinal rails imported precision dual axis linear guides, horizontal transmission by a precision aluminum extrusions and components, transmission stability, high accuracy

Can cut any complex plane figures for oxyfuel flame cutting and plasma cutting machine, free to move, not accounting for fixed venue.

Widely used in automotive, shipbuilding, petrochemical, boiler and pressure vessel, engineering machinery, light machinery and other industries, especially for single-piece contoured surface and mass production.

Model	Cutting range mm	Supply Voltage V/Hz	Cutting torch Number of groups	Cutting speed mm/min	Maximum no-load speed mm/min	Overall dimensions L×W×H(M)	Weight
HNC-1800W-Q-3	1800×3000	AC220V-50HZ	1	50-750	3000	3.5×2.6×0.37	126
HNC-1800W-Q-4	1800×4000	AC220V-50HZ	1	50-750	3000	4.5×2.6×0.37	144
HNC-1800W-Q-5	1800×5000	AC220V-50HZ	1	50-750	3000	5.5×2.6×0.37	162
HNC-1800W-Q-6	1800×6000	AC220V-50HZ	1	50-750	3000	6.5×2.6×0.37	180
HNC-1800W-3	1800×3000	AC220V-50HZ	1	50-750	3000	3.5×2.6×0.4	175
HNC-1800W-4	1800×4000	AC220V-50HZ	1	50-750	3000	4.5×2.6×0.4	207
HNC-1800W-5	1800×5000	AC220V-50HZ	1	50-750	3000	5.5×2.6×0.4	239
HNC-1800W-6	1800×6000	AC220V-50HZ	1	50-750	3000	6.5×2.6×0.4	271

Note: Can be configured according to customer demand plasma torch.

Mini Gantry type CNC cutting machine



Mini Gantry type CNC cutting machine

This product is between the mini CNC and gantry CNC cutting machine, which solves the inconvenience of moving the gantry CNC cutting machine and widens the cutting range of the mini CNC. The product adopts precision single-axis core double guide rail in the horizontal direction and double-sided drive in the vertical direction to improve the cutting accuracy, faster running speed and stronger processing capacity, and can be equipped with plasma cutting according to the user's requirements, which can cut any complex plane figure, and is widely used in automobile, shipbuilding, petrochemical industry, pressure vessel, light industry machinery and other industries, and is well received.

Model	Track Width mm	Track Length mm	Availability Cutting Width mm	Availability Cutting Length mm	Cutting Torches Set	Cutting Speed mm/min	Maximum no-load speed mm/min	Supply Voltage V/ Hz
HNC-2500G	2500	4000	2000	3000	1	50-750	8000	AC220V/50HZ
HNC-3000G	3000	4000	2500	3000	1	50-750	8000	AC220V/50HZ

Remarks: Width, length and data of cutting torch can be increased or decreased according to demands.

Gantry CNC Pipe Plate cutting machine



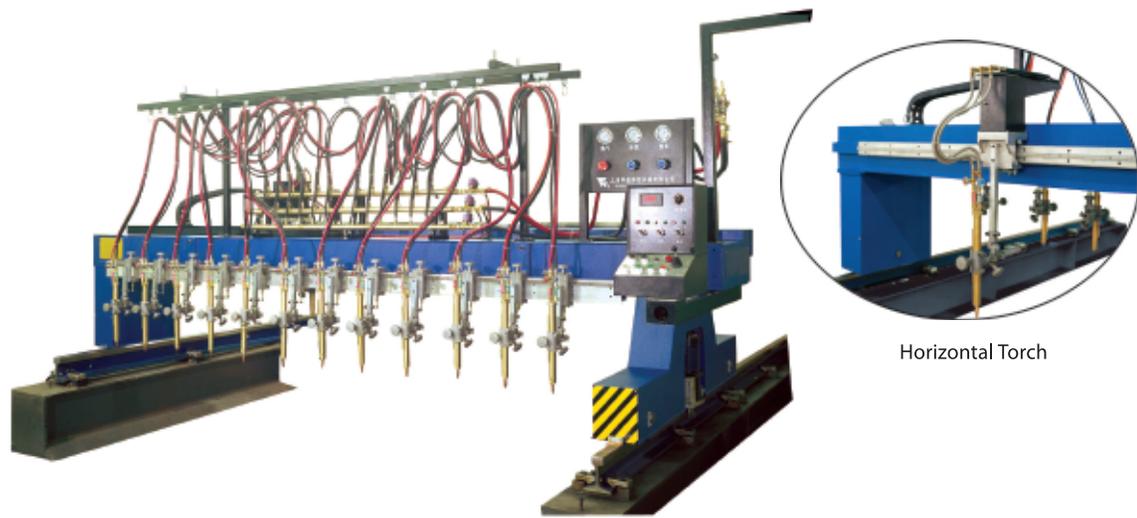
Gantry CNC Pipe Plate cutting machine

This product is a modern cutting device controlled by digital program. It can cut out any plane graphics from various metal materials and in addition it is also able to be used to cut off circular tubes and cut out various shapes and intersecting line on round pipes. Also it has the characteristics of high degree of automation, high cutting precision, high material utilization rate and high production efficiency. With the advancement of Machinery&Electronics technology and computer technology, CNC cutting machine has attracted attention from more and more enterprises and becomes more and more popular in production thanks to its virtue of good man-machine dialogue operation interface, powerful auxiliary support function and relatively low equipment investment.

Model	Diameter of Cutting Pipe mm	Length of Cutting Pipe mm	Availability Cutting Width mm	Controlled Axis Number	Cutting Torches Set	Cutting Speed mm/min	Cutting Mode	Supply Voltage V/ Hz
HNC-2500XG	50-600	3000-9000	2000	3	1	Flaming 50-750	Flaming & Plasma	Machine tool AC220V/50HZ
HNC-3000XG			2500	3	1	Plasma 300-3000		Plasma AC380V-50HZ

Remarks: Width, length and data of cutting torch can be increased or decreased according to demands.

Multi-Head Straight Strip Cutting Machine



Horizontal Torch

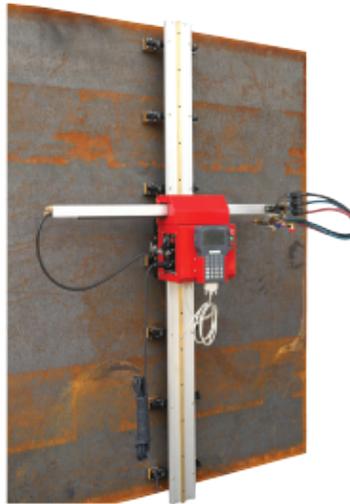
Multi-Torch Straight Strip Cutting Machine

- ▶ Type frame structure for this machine body
- ▶ Gear wheel, gear bar, and gear transmission for moveable parts
- ▶ Integrated velocity modulation control, with digital display
- ▶ DC servo driving, stable for movements
- ▶ Standard cutting torch attachments with 10 groups longitudinally and 1 group transversely
- ▶ The processing thickness is 200mm when under 4 groups, 80mm under 10 groups
- ▶ The standard minimum cutting width is 80mm (may made to 60mm)
- ▶ The maximum return speed is 4000mm/min

Model	Track Width mm	Track Length mm	Availability Cutting mm	VERTICAL TORCH	HORIZONTAL TORCH	Cutting THICKNESS mm	Cutting Speed mm/min	Input Voltage V
CG1-3000	3000	12000	2500	10	1	6-100	50-750	220
CG1-4000	4000	12000	3500	10	1	6-100	50-750	220
CG1-5000	5000	12000	4500	10	1	6-100	50-750	220
CG1-6000	6000	12000	5500	10	1	6-100	50-750	220

Remarks: Width, Length, and number cutting torch can be changed according to demands.
The functions such as the overall lift of all torch, lift of single torch and auto-ignition can be added according to demands.

CNC Cutter



Vertical Mini CNC cutting Machine

The machine is design to improve the cutting quality of vertical cutting and make more easier operation. It adopts servo motor drive to ensure a high stability of movement and quality-cutting works. The control is designed as a hand-box to make people to use the machine easily. Additionally, it is not only used for vertical cutting, but also suitable for horizontal cutting.

Model	Track Width mm	Track Length mm	Availability Cutting Length mm	Availability Cutting Width mm	Cutting Speed mm/min	Maximum no-load speed mm/min	Supply Voltage V/ Hz
HNC-100K	2000	1500	1100	600	50-750	4000	AC220V/50HZ



BXG-250J Portable CNC Pipe Cutting Machine

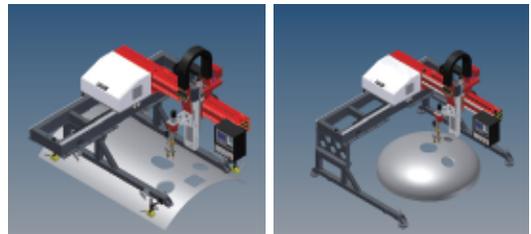
This product is a modern cutting device controlled by digital program, which can cut round pipes and cut various shapes and intersecting lines on round pipes. Besides the high automation of cutting operation, it also has advantages of high cutting precision, high material utilization rate, as well as high production efficiency. With the development of mechatronics technology and computer technology, CNC cutting machine has attracted attention of more and more enterprises and becomes more and more popular in production by virtue of its good man-machine dialogue operation interface, powerful auxiliary support function and relatively low equipment investment.

Model	Overall dimensions L×W×H(M)	Diameter of Pipe to be Cut mm	Number of Control Axes	Length of Pipe to be Cut mm	Maximum Weight of Pipe to be Cut kg	Supply Voltage V/ Hz	Weight kg
BXG-250J	730×640×700	φ 50- φ 250mm	2	1000	50	AC220V/50HZ	89

Multifunction CNC cutting machine



Groove swivel head



Multifunction CNC cutting machine

This product is a widely used in chemical pressure vessel, nuclear power equipment, shipbuilding and marine engineering industry cutting equipment.

It can cutting cylindrical or conical shell, elliptical head or other type of complex space curved surface or complex graphics. It adopts the multiple compound movement technology, achieves the revolving of cutting torch, thereby cutting welding groove.

The main characteristics of the machine:

- ◀ Cutting in ellipsoidal or cylindrical shell hole, and can complete intersecting line cutting of pipe.
- ◀ It adopts the multi-axis linkage numerical control, cutting with high precision, can realize the automatic groove cutting.
- ◀ It can also cut the steel plate in the cutting range, or groove cut the cutted steel plate.
- ◀ The configure roller can cut steel pipe that the diameter is less than 1000mm.
- ◀ With strong magnetic steel when cutting steels that the diameter is larger than 1000mm can make the machine fixed conveniently.
- ◀ Cutting programming can complete through teaching system or 3D diagrams.

Model	Maximum cutting Range mm	Beveling Range mm	Maximum saddle height	Cutting head Diameter mm	Cutting head Diameter mm	Beveling Angle	Flame cutting Thickness mm	Plasma cutting thickness
HNC-1200M	1200×1200	1000×1000	350	≤2000	≥100	±45°	6-150mm	Depending on plasma power

Remarks: The plasma torch can be equipped.

Cutting steel pipe with diameter less than 1000mm should be equipped with roller.

Special requirements can be customized, by contacting the technical department.

CNC System



EDGE Connect Full Range of Controllers

- ◀ Intel Celeron J9100, quad-core central processor
- ◀ Memory 4GB, SATA SSD \geq 120GB
- ◀ Windows 10 Enterprise OS, 19" capacitive touch screen
- ◀ USB, WIFI, digital interface, etc.
- ◀ Conversational data storage, large capacity user parts library
- ◀ Hypertherm HyPerformance® high-performance plasma cutting system communicates directly with the cutting system via EtherCAT connection
- ◀ Embedded SureCut™ intelligent cutting technology for optimal performance with embedded expert processes



SF-2400S Controller

- ◀ 10.4-inch LCD color display, Chinese and English operating interface
- ◀ Full screen program editing, inserting, modifying, deleting, copying
- ◀ Automatic graphics scaling, rotation function
- ◀ Mirroring function in X and Y directions, cutting kerf compensation
- ◀ Power-off recovery function of the program
- ◀ The torch can return to the original track
- ◀ USB communication interface



F7600 Controller

- ◀ Windows 10 operating system, 19" widescreen touch screen
- ◀ 4GB memory + 120GB solid state drive
- ◀ External interfaces: USB, network interface, Modbus serial communication, etc.
- ◀ Features: cutting interruption power breakpoint memory function, networking and remote after-sales service
- ◀ Up to hundreds of graphic libraries, can be pre-installed nesting software

Plasma Cutting Power



CNC Cutting Machine Plasma Cutting Power



Plasma from American Hypertherm



Plasma from Deutschland Kaliburn



Plasma from American VICTOR

WellCut Mechanical Plasma Cutter



WellCUT-100HD



WellCUT-130HD



WellCUT-160HD



WellCUT-200HD



WellCUT-200HD

◀ Arc method

It use the high voltage-pulse as the arc method to ensure high success rate and protect electronic parts and THC, etc.

◀ Stability

The key components are supplied by famous factory (infineon and Schneider,etc) and all re-check by Huawei quality control department.

◀ Cooling system

WellCut 60-130, it uses a special radiator which has one intake and two outtake cause the machine work with ideal temperature for long time to improve working efficiency.

WellCut 160-200, it equips one water box and two high-speed fan to ensure the machine work with a low temperature and improve working efficiency.

◀ Torch

The key components of torch are made by imported high polymer material to increase durability; the vortex-ring technology is used for gas so that the cutting quality and capacity developed significantly.

Plasma Cutting Power & Driving System



Panasonic AC Servo Driving

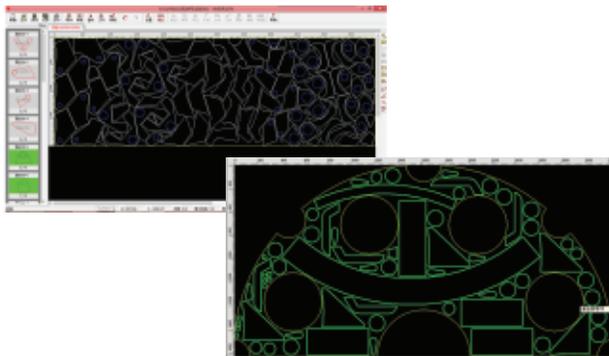
- ▶ Smaller, lighter, full power, higher speed
- ▶ 23-bit position detection resolution (8 times higher than the previous generation) for smoother, high-precision positioning
- ▶ Achieved a response frequency of 3.2 kHz, an increase of 139% compared to the previous model
- ▶ Improved motor sealing, achieving IP67 protection level.
- ▶ Automatic removal of resonance-generated micro-vibrations for high-precision positioning
- ▶ Easy setting of parameters and monitoring of control status via USB connection
- ▶ Over-voltage, over-current, overload automatic protection and various fault alarm functions



Chinese Brand Servo Drive System

- ▶ High responsiveness: Speed loop bandwidth 1KHz, current loop bandwidth 2KHz
- ▶ High communication compatibility: CANOpen communication, 485 communication
- ▶ Flexible motor matching: compatible with X1 X2 X3 X6 series motors, supporting 17-bit magnetic encoder
- ▶ Rich features: potential energy compensation, snatch-off positioning, instantaneous power failure protection, dynamic braking
- ▶ High usability: Built-in multi-segment customizable multi-segment position, with automatic trap adjustment and end-jitter suppression rigidity level adjustment, inertia online recognition

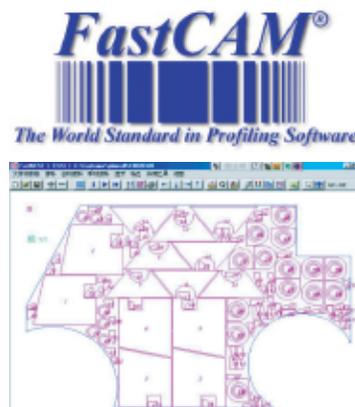
Nesting Software



Huawei software(SmartNest Machine version) is a CNC nesting programming software with independent intellectual property rights which researched by famous university research team after more than twenty years. It fully absorbs the strengths of a number of similar products at home and abroad in the development and improvement process, improves and perfects according to the actual situation of Chinese enterprises and operating habits of Chinese engineers.

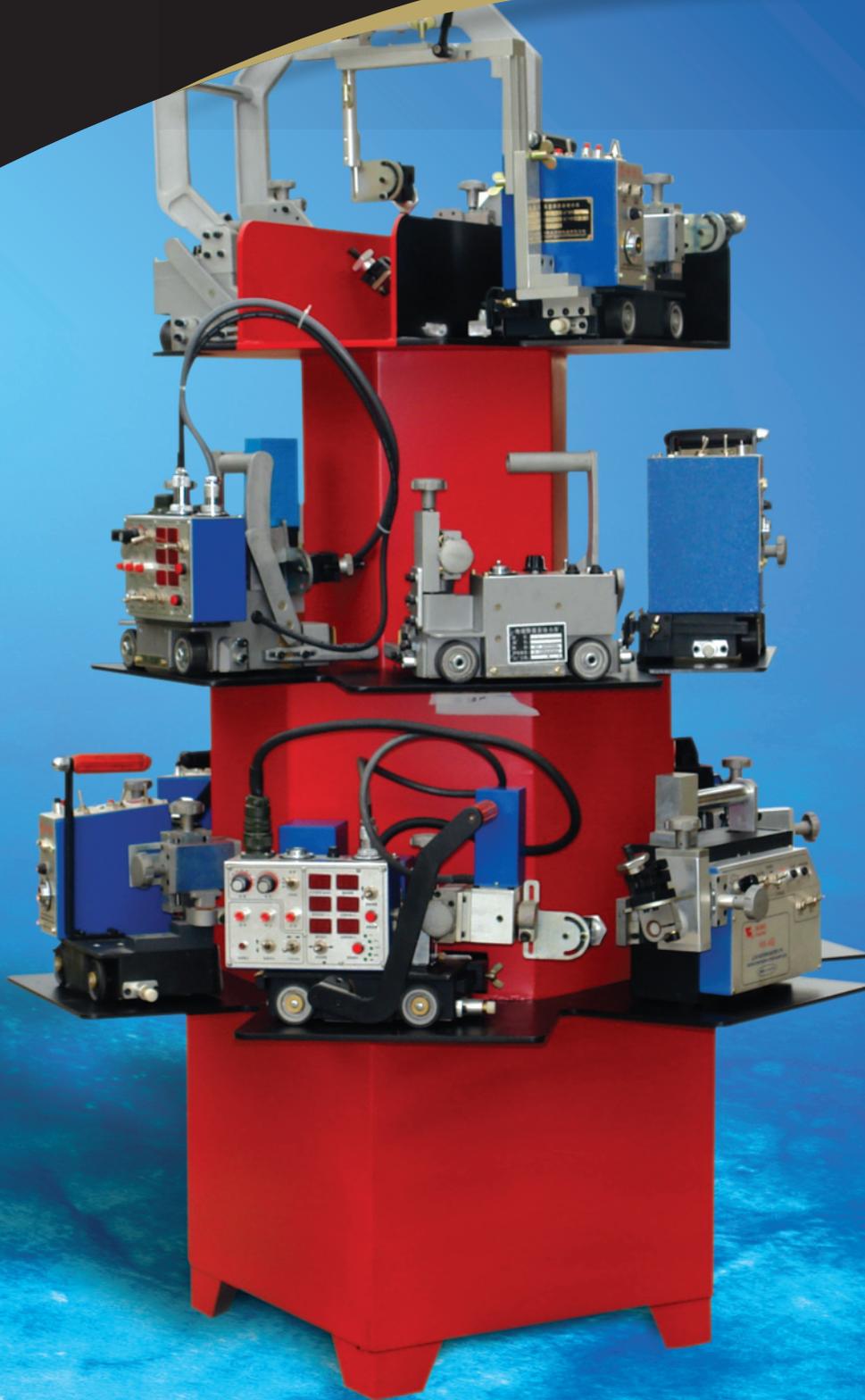
FastCAM Nesting Software

FastCAM is one of the most famous and best nesting software in the world. It has CAD drawing, AutoCAD compatible, nesting by manual, array, auto and interactive, remnant nesting, common line cutting and continual cutting. FastCAM supply multilingual and technical support and training in North America, Asia Pacific and China. In order to improve productivity, quality and reduce costs, FastCAM promote brand new cutting technology and method to realize full-time cutting, auto cutting, high efficient cutting, and high quality and utility cutting.



Meticulously Design · Precisely Production · Excellent Service · Scientific Management

Automatic Welding Tractor



Auto Welding Carriage

HK-4A Mini Welding Carriage



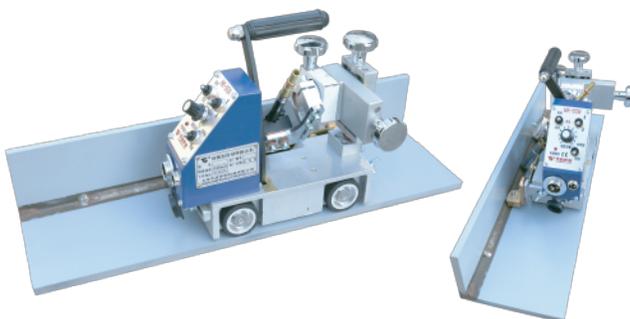
- ▶ Portable design easy for setting up and carrying.
- ▶ Permanent magnet to ensure machine in to run followed welding line.
- ▶ Inductor can stop the machine when it is out of workpiece.
- ▶ Application in corner welding for container girder, and suitable for bevel welding and in narrow room.

HK-4B Electromagnetic Auto Welding Machine



- ▶ Permanent magnet and electromagnetic steel is good for installing of machine, and make machine to run followed welding line.
- ▶ Permanent magnet can avoid damaging the machine when power cut.
- ▶ Suitable for corner welding for container girder and suitable for bevel welding and in narrow room.
- ▶ Inductor can stop the machine when it is out of workpiece.

HK-5SN Protoble Auto Welding Carriage

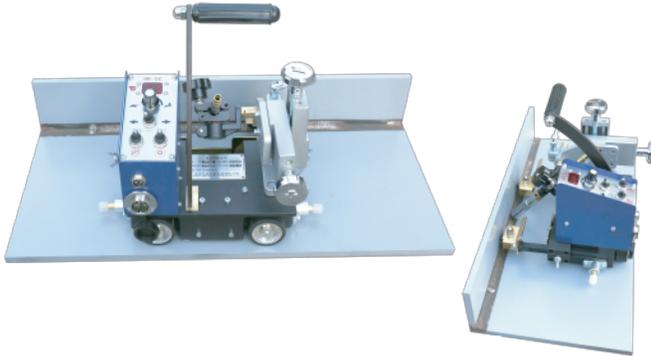


- ▶ This carriage can walk forward and backward for welding
- ▶ This carriage is small in size and light in weight. It is easy to move and install under different conditions.
- ▶ This carriage adopts four-wheel drive and has high stability in walking.
- ▶ This carriage is adjusted to the automatic control state, and the welding starts.
- ▶ Reduce the number of operators, one worker can operate multiple trolleys for welding at the same time.

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Forward backward	Work angle	Proceeing angle			
HW1250	HK-4A	AC 220/50	188×193×221	60mm	60mm	45°	±10°	150-1500	Rubber wheel four-drive	6.9
HW1251	HK-4B	AC 220/50	360×230×310	60mm	60mm	45°	±10°	150-1000	Iron wheel four-drive	11.6
HW1311	HK-5SN	AC 220/50	340×150×250	60mm	60mm	45°	±10°	50-800	Rubber wheel four-drive	5.8

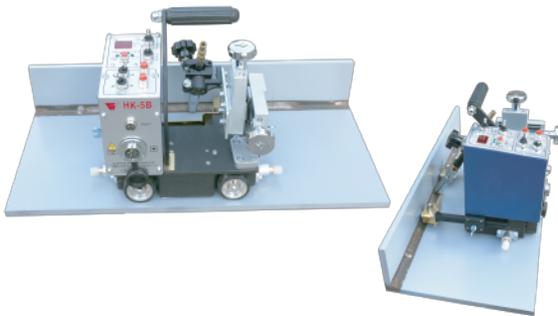
Auto Welding Carriage

HK-5C Standard Fillet Welding Machine



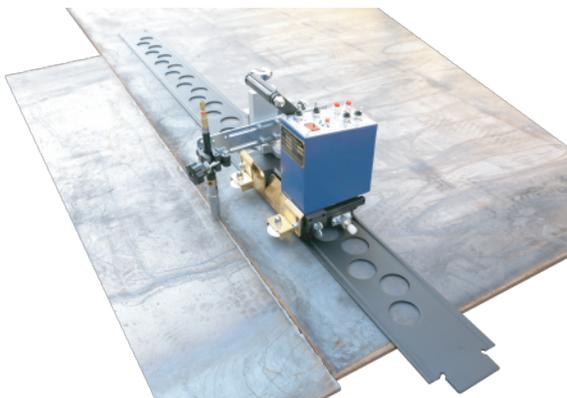
- ◀ The main body is made of aluminum alloy, compact and portable. good for horizontal angle welding and side up welding.
- ◀ Permanent magnet and guiding unit can avoid machine out of welding line.
- ◀ Can welding both in left and right side.
- ◀ Aspect sensor in both end can make machine stop when welding is finished.

HK-5B Continuous/Incontinuous Welding Carriage



- ◀ Suitable for discontinuous or continuous welding for straight angle.
- ◀ Digital display of speed, distance of discontinuous / continuous welding and time of end.
- ◀ With no welding, carriage speed is regarded as most fast, more efficient.
- ◀ Magnet type of handle, which can control magnet force more or less.
- ◀ Welding in both left and right, induction switch fixed in both end.
- ◀ Carriage stop running while welding ends.
- ◀ Permanent magnet and guide unit fixed in carriage, which can prevent it from deviating welding line.
- ◀ End welding unit is attached. the time of end welding is adjusted from 0-8S.
- ◀ Wide use in shipbuilding, bridge, vehicle, oil and metal structure plant.

HK-5B-D Auto Welding Carriage (Flat Rail Type)



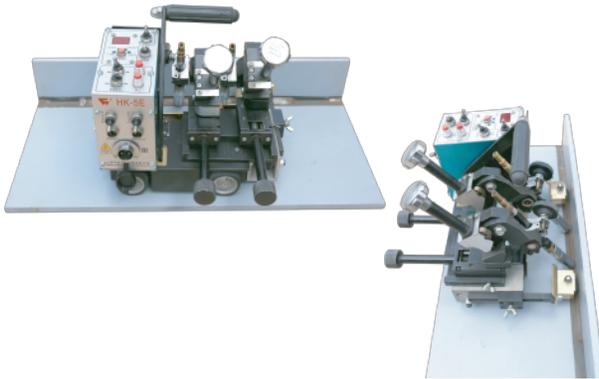
- ◀ The main body is made of high strength alloy aluminum, compact structure, light and portable.
- ◀ Suitable for horizontal joint welding and straight angle welding.
- ◀ Running on flat rail. suitable for long straight line welding.
- ◀ Induction-switch on both end of carriage, which will automatically stop when welding is ending.
- ◀ The standard rail is 1.8m long. also can prolong it as required.
- ◀ Permanent alnico is fixed under main body, which insure the body moving and welding more steadily.
- ◀ The running speed is shown by number, welding can be continuous or discontinuous with high precision and easy operation.

Note: 1.8M Rail 1 Set per standard

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Forward backward	Work angle	Proceeing angle			
HW1294	HK-5C	AC 220/50	330×230×280	60mm	60mm	45°	±10°	50-800	Rubber wheel four-drive	8.5
HW1291	HK-5B	AC 220/50	330×230×280	60mm	60mm	45°	±10°	30-1900	Rubber wheel four-drive	8.3
HW1292	HK-5B-D	AC 220/50	330×300×280	40mm	50mm	45°	±10°	30-1900	Iron wheel four-drive	8.5

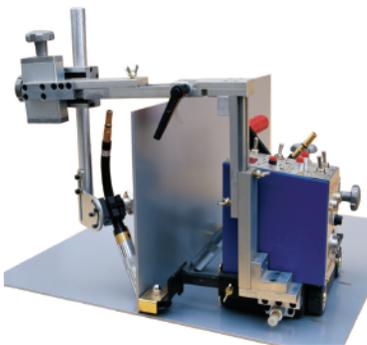
Auto Welding Carriage

HK-5E Single Side Double Torch Welding



- ◀ Small size, low center of gravity, lightweight and easy to carry.
- ◀ The high-strength magnetic magnet obviously enhances the reliability of the profiling operation and increases the traction force to ensure the smooth operation of the operation.
- ◀ On the basis of enhancing the reliability of profiling operation and automatic stop function, multiple devices can be operated at the same time.
- ◀ The direction changeover switch can realize right/left movement.
- ◀ The guide is a screw lock type.
- ◀ Two welding guns with a certain distance are installed on the same surface, and the two guns are welded at the same time, and the welding efficiency is high.
- ◀ The two guns can use the same kind of welding wire at the same time, or one can use flux-cored welding wire and the other can use solid-core welding wire.
- ◀ The new limit switch system greatly relaxes the height limit range of the limit positioning block.

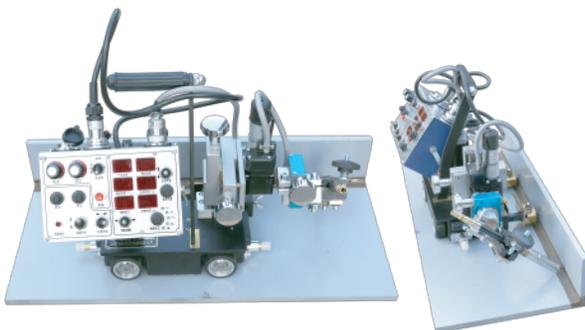
HK-5B-II Double Side Auto Welding Carriage

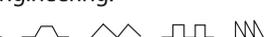


- ◀ The main body is made of high strength alloy aluminum, compact structure, light and portable.
- ◀ With auto-welding device for double face horizontal welding; Option for one torch or two torch as required; the fixing holder for carriage can be adjusted in width and height depending on workpiece; application widely.
- ◀ Distortion can be reduced when two face welding by this carriage.
- ◀ Permanent Alnico and guide device are fixed under main body, which can prevent the carriage from deviating from the jointing line: The running speed is shown by number, welding can be continuous or discontinuous with high precision and easy operation.
- ◀ Induction- switch on both end of carriage which will automatically turn off when welding is ending.

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Forward backward	Work angle	Proceeing angle			
HW1303	HK-5E	AC 220/50	340×280×290	60mm	60mm	45°	±10°	150-1500	Rubber wheel four-drive	9.5
HW1293	HK-5B-II	AC 220/50	500×290×420	60mm	60mm	45°	±10°	30-1900	Rubber wheel four-drive	10

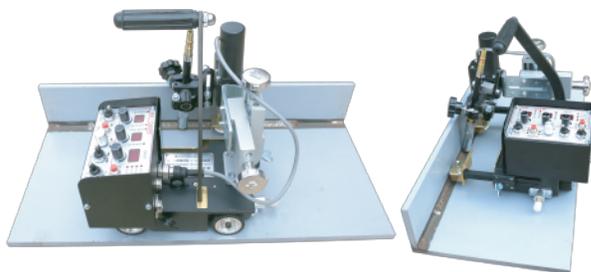
HK-5W Oscillation Auto Welding Carriage



- ◀ It has wavering fuction for various welding path so as to make best welding result.
- ◀ Wavering speed, angle, central shifting and left/right pause time can be adjusted, all data can be shown on the meter.
- ◀ The control device can be used as remove controller.
- ◀ Both for vertical and level angle welding, suitable for intersect position of reinforce parts.
- ◀ Widely use in shipbuilding ,bridge ,vehicle oil&chemical and steel structure engineering.
- ◀ Wavering mode: 

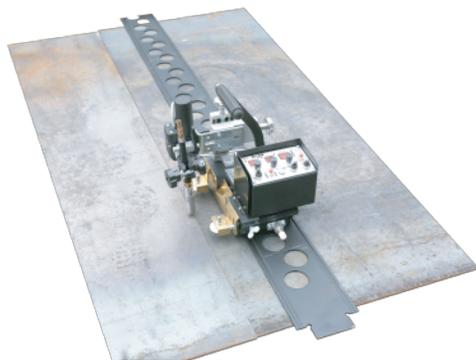
Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control				Weight (kg)	
				Up down	Forward backward	Work angle	Proceeing angle	Left/right pause time	Speed (mm/min)	Oscillating Motor	Wavering speed		Wavering angle
HW1295	HK-5W	AC 220/50	340×230×280	60mm	60mm	45°	±10°	0~2.5s	50-800	Brushed Motor	0~100	±15°	12

Auto Welding Carriage



HK-5BW Oscillating Intermittent/Continuous Welding Carriage

- ◀ The HK-5BW type welding carriage is a welding automatic device suitable for intermittent or continuous horizontal fillet welding structures.
- ◀ The high precision of dimensions and uniform running speed enable precision welding.
- ◀ Equipped with arc closing device, the arc closing time can be adjusted from 0-2.5 S.
- ◀ High degree of intelligence with memory storage function for break point recovery.



HK-5BW-D Oscillating Intermittent/Continuous Welding Carriage (flat rail type)

- ◀ The HK-5BW type welding carriage is a welding automatic device suitable for intermittent or continuous horizontal fillet welding structures.
- ◀ High precision of dimensions and uniform running speed enable precision welding.
- ◀ Equipped with arc closing device, the arc closing time can be adjusted from 0-2.5 S.
- ◀ High degree of intelligence with memory storage function for break point recovery.
- ◀ Based on rail use, wider application scenario.

Note: 1.8M Rail 1 Set per standard

T-shaped automatic wavering welding carriage

- ◀ Possessing swinging function, and available with welding modes of different specifications, and can thus achieve the best welding effect.
- ◀ Swinging speed, angle, off-centering position, and left and right stay time can be modulated at ease, and the digital tube displays various modulation data.
- ◀ Can deliver vertical angle welding and horizontal angle welding, and suitable for welding of cross section of reinforcer, etc.



HK-5T-W

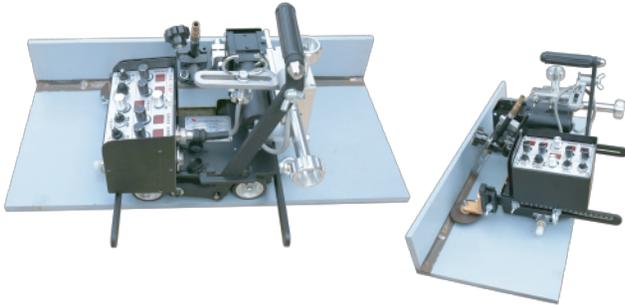
HK-5T-WN

(Diameter range for welding : Φ600~2000mm)

HK-5T-II

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control				Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Left right	Work angle	Proceeing angle	Left/right pause time	Oscillating Motor	Wavering speed	Wavering angle			
HW1304	HK-5BW	AC 220/50	270×230×320	60mm	60mm	45°	±10°	0~2.5s	Brushless motor	0-99	±15°	50~1200	Rubber wheel four-drive	9
HW1305	HK-5BW-D	AC 220/50	270×230×320	60mm	60mm	45°	±10°	0~2.5s	Brushless motor	0-99	±15°	50~1200	Iron wheel four-drive	9
HW 1301	HK-5T-W	AC 220/50	350×460×450	350mm	150mm	45°	±10°	0~2.5s	Brushless motor	0-99	±15	150~800	Magnetic roller-drive	11.5
HW1309	HK-5T-WN	AC 220/50	350×460×450	350mm	150mm	45°	±10°	0~2.5s	Brushless motor	0-99	±15	150~800	Magnetic roller-drive	9.2
HW 1302	HK-5T-II	AC 220/50	300×180×330	350mm	100mm	45°	±10°	/	/	/	/	50~900	Magnetic roller-drive	13.5

Auto Welding Carriage



HK-5WF All-position Automatic Welding Carriage

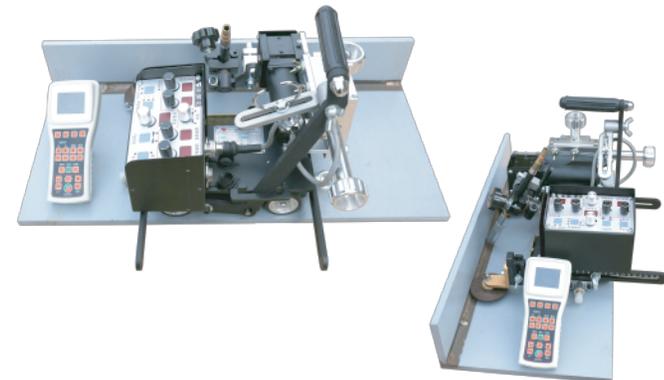
- ▶ The HK-5WF oscillating welding carriage is an automatic device that can achieve a wide welding seam in a single pass.
- ▶ The oscillation speed, oscillation angle, center offset position, and left/right dwell time can be adjusted to suit a wide range of welding channels.
- ▶ The handle is magnetically controlled. Moving this handle can partially reduce the magnetic force, which is convenient for cleaning ferrous waste and moving the trolley.
- ▶ The carriage is equipped with an inductive stop switch, so that the carriage can stop automatically after the welding is finished, making it easy for one worker to operate multiple machines at the same time.
- ▶ Permanent magnets and flat guide rails are installed to prevent the trolley from falling off the welding line.



Optional: Linear guide
(1.8m, linear guide, 3 magnets)

Optional: 2D rail
(1.8m, flexible rail, 8 magnets)

Optional: 3D rail
(1.5m, flexible rail, 5 magnets)



HK-5WF-RC All-position Automatic Welding Carriage (wireless remote control)

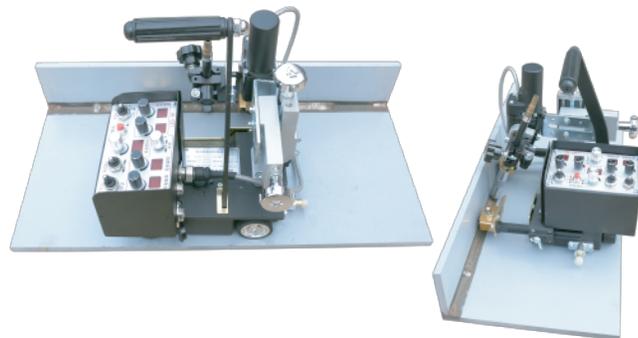
- ▶ The HK-5WF-RC oscillating welding carriage is an automatic device that can achieve a wide weld seam in a single weld.
- ▶ The oscillating speed, oscillating angle, center offset position and left/right dwell time can be adjusted to suit various welding channels.
- ▶ The handle is magnetically controlled, so moving the handle can partially reduce the magnetic force, which is convenient for cleaning ferrous waste and moving the trolley.
- ▶ The carriage is equipped with an inductive stop switch, so that the carriage can stop automatically after the welding is finished, making it easy for one worker to operate multiple machines at the same time.
- ▶ Permanent magnets and flat guide rails are installed to prevent the trolley from falling off the welding line.
- ▶ Wireless remote control operation saves effort and energy.



Optional: Linear guide
(1.8m, linear guide, 3 magnets)

Optional: 2D rail
(1.8m, flexible rail, 8 magnets)

Optional: 3D rail
(1.5m, flexible rail, 5 magnets)



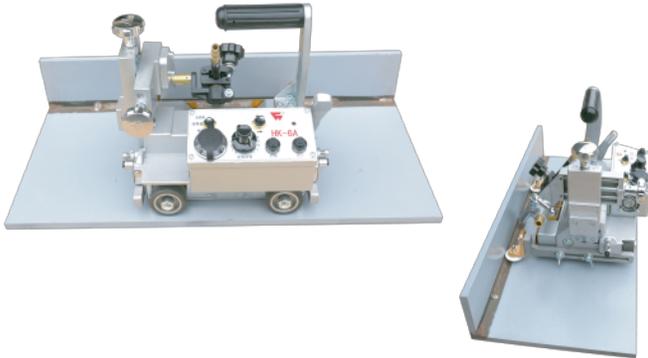
HK-5WT All-position Automatic Welding Carriage

- ▶ The HK-5WT oscillating welding carriage is an automatic device that can achieve a wide welding seam in a single pass.
- ▶ The oscillation speed, oscillation angle, center offset position and left/right dwell time can be adjusted to suit various welding channels.
- ▶ The handle is magnetically controlled. Moving this handle can partially reduce the magnetic force, which is convenient for cleaning ferrous waste and moving the trolley.
- ▶ The carriage is equipped with an inductive stop switch, so that the carriage can stop automatically after the welding is finished, making it easy for one worker to operate multiple machines at the same time.
- ▶ Permanent magnets and flat guide rails are installed to prevent the trolley from falling off the welding line.

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)	
				Up down	Left right	Work angle	Proceeing angle	Left/right pause time	Oscillating Motor	Wavering speed				Wavering angle
HW1364	HK-5WF	AC 220/50	300×360×280	50mm	50mm	45°	±10°	0~2.5s	Brushless motor	0-99	±15°	50~600	Rubber wheel four-drive	10
HW1307	HK-5WF-RC	AC 220/50	300×360×280	50mm	50mm	45°	±10°	0~2.5s	Brushless motor	0-99	±15°	50~600	Rubber wheel four-drive	10
HW1308	HK-5WT	AC 220/50	270×230×320	60mm	60mm	45°	±10°	0~2.5s	Brushless motor	0-99	±15	50~800	Rubber wheel four-drive	8.5

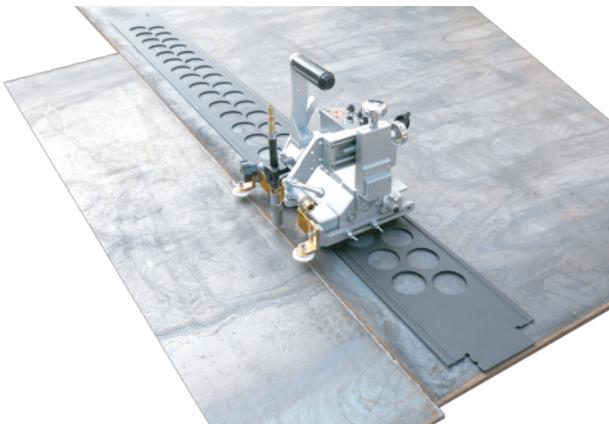
Auto Welding Carriage

HK-6A Standard Fillet Welding Carriage



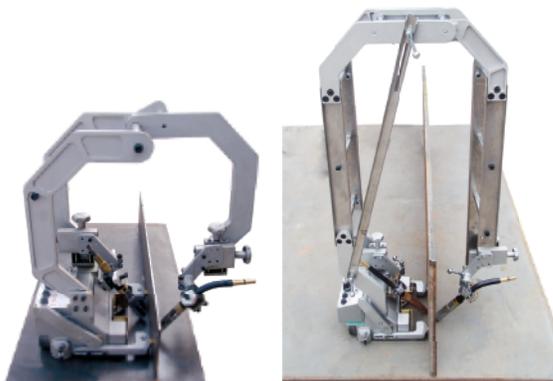
- ◀ Machine body strong, durable and portable.
- ◀ Low barycenter designing, with haul of 16kg, smoothly moving.
- ◀ Magnet controlling handle makes setting up easy, welding both in left and right, inductor in both end can make machine stop when welding end.

HK-6A-D Flat Rail Welding Carriage



- ◀ The main body is made of high strength alloy aluminum, compact structure, light and portable.
- ◀ Suitable for horizontal joint welding and straight angle welding.
- ◀ Running on flat rail. suitable for long straight line welding.
- ◀ Induction-switch on both end of carriage, which will automatically stop when welding is ending.
- ◀ Permanent alnico is fixed under main body, which insure the body moving and welding more steadily.
- ◀ The running speed is shown by number, welding can be continuous or discontinuous with high precision and easy operation.

Note: 1.8M Rail 1 Set per standard



★ Remark: Rib height ≤ 400mm

★ Remark: The rib height ≤ 800mm (Heightened)

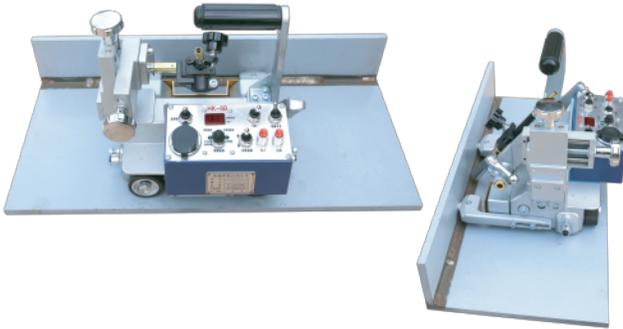
HK-6A-II Double Side Welding Carriage

- ◀ Strong machine body, durable and portable.
- ◀ Low barycenter designing, with haul of 16kg, smoothly moving.
- ◀ Magnet controlling handle makes setting up easy.
- ◀ Welding both in left and right; inductor in both end can make machine stop when welding end.
- ◀ Simultaneous welding in both side has high work efficiency, and avoids distortion.

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Forward backward	Work angle	Proceeing angle			
HW1253	HK-6A	AC 220/50	259×259×264	45mm	45mm	45°	±10°	150~800	Rubber wheel four-drive	8
HW1252	HK-6A-D	AC 220/50	259×259×264	45mm	45mm	45°	±10°	150~800	Iron wheel four-drive	8
HW1255	HK-6A-II	AC 220/50	500×280×520	45mm	45mm	45°	±10°	150~800	Rubber wheel four-drive	12.5

Auto Welding Carriage

HK-6B Continuous/Incontinuous Welding Carriage



- ◀ Strong machine body, durable and portable.
- ◀ Low barycenter designing, with haul of 16kg, can smoothly moving.
- ◀ Magnet controlling handle makes setting up easy.
- ◀ Welding both in left and right; inductor in both end can make machine stop when welding end.
- ◀ High intelligentizing with storage memory function.
- ◀ Digital display for welding length and traveling speed.

HK-6B-D Continuous/Incontinuous Welding Carriage (Flat Rail Type)

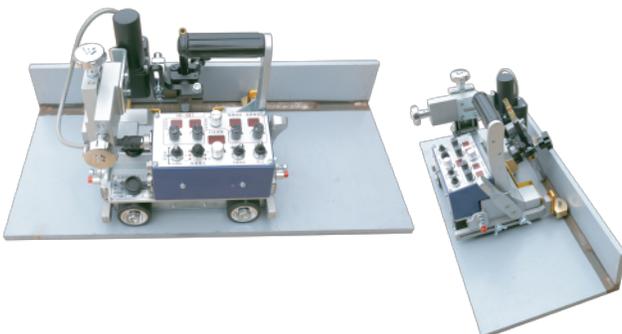


- ◀ The main body is made of high strength alloy aluminum, compact structure, light and portable.
- ◀ Suitable for horizontal joint welding and straight angle welding.
- ◀ Running on flat rail. suitable for long straight line welding.
- ◀ Induction-switch on both end of carriage, which will automatically stop when welding is ending.
- ◀ Permanent alnico is fixed under main body, which insure the body, moving and welding more steadily.
- ◀ The running speed is shown by number, welding can be continuous or discontinuous with high precision and easy operation.

Note: 1.8M Rail 1 Set per standard

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Forward backward	Work angle	Proceeing angle			
HW1254	HK-6B	AC 220/50	300×270×270	45mm	45mm	45°	±10°	150-1500	Rubber wheel four-drive	8
HW1300	HK-6B-D	AC 220/50	300×270×270	45mm	45mm	45°	±10°	150-1500	Iron wheel four-drive	8

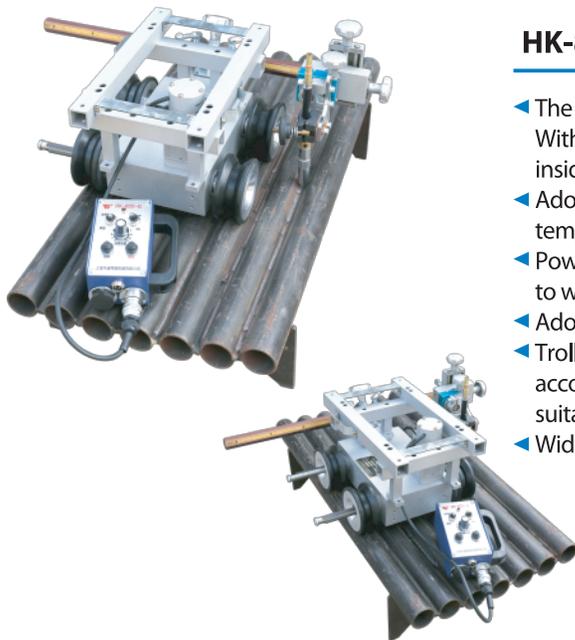
HK-6WT Wavering Angle Welding Carriage



- ◀ Strong machine body, durable and portable.
 - ◀ Low barycenter designing, with haul of 16kg, smoothly moving.
 - ◀ Magnet controlling handle makes setting up easy.
 - ◀ Welding both in left and right; inductor in both end can make machine stop when welding end.
 - ◀ With wavering function in different mode as required.
 - ◀ Digital display for wavering angle, time, etc.
- Optional wavering mode: \square \sin \square \square \square

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Weight (kg)	
				Up down	Left right	Work angle	Proceeing angle	Left/right pause time	Oscillating Motor	Wavering speed		Wavering angle
HW1296	HK-6WT	AC 220/50	300×280×270	45mm	45mm	45°	±10°	0~2.5s	Brushless motor	0~99	±15°	9

Auto Welding Carriage



HK-8SS-G Welding Carriage

- ◀ The machine has small volume, light weight, easy to move and install. With dustproof, magnetization of the transmission system is arranged inside, simple structure, long service life.
- ◀ Adopted four round wheel drive, combination of good material, high temperature resistant, stable welding walking.
- ◀ Powerful solenoid with guide wheel for the car has always been close to weld, welding is accurate.
- ◀ Adopted the electromagnet, easy to clean up garbage and iron.
- ◀ Trolley track can be used welding parent material, can also be ordered according to the customer, can be horizontal fillet welding, especially suitable for welding the internal position of large pipe.
- ◀ Widely used in ships, bridges, petrochemical pipeline engineering, etc.

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Forward backward	Work angle	Proceeing angle			
HW1245	HK-8SS-G	AC220/50	430×400×230	60mm	60mm	45°	±10°	50-900	Rubber wheel four-drive	13.5

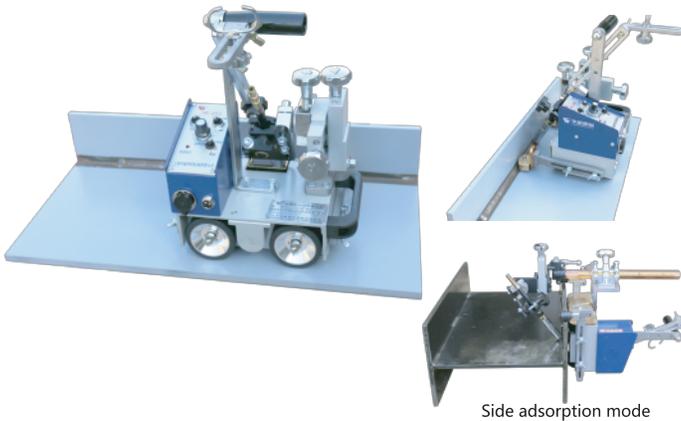


HMZ-1000 Automatic Submerged Arc Welding Machine

HMZ-1000 submerged arc welding machine, composed of the tractor and power source, can be used for welding seams of lap, butt and fillet of different medium and thick plates of carbon, low alloy, stainless and heat resistant steels.

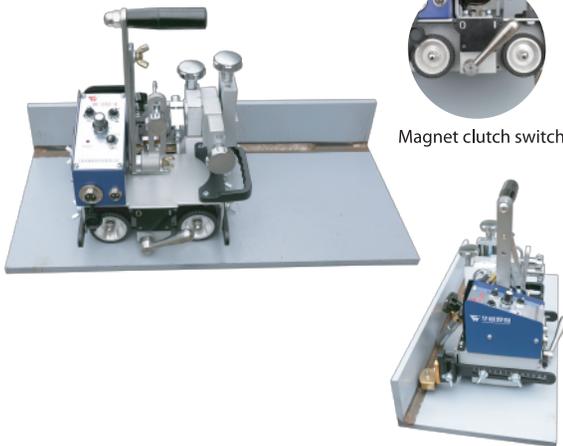
Order NO.	Model NO.	Rated Input		Rated Input Voltage Of Wire Feeding Mechanism	Rated Input Current Of Wire Feeding Mechanism	Type Of Wire Feeding	Type Of Wire Feeding	Wire Feeding Speed	Rated Power Source	Wire Diameters			
		Voltage Of Traveling Mechanism	Current Of Traveling Mechanism										
		DC110V	0.4A	DC110V	1A	Continuous	0.2~2.2m/min 0.2~1.5m/min	0.3~3.0m/min	630A 1000A 1250A	2.0/3.0 3.0/4.0/5.0 4.0/5.0/6.0			
HW1318	HMZ-1000	Type Of Wires Applicable	Adjustable Height Of Cross Beam	Adjustable Distance Of Tractor Head	Rotatable Angle Of Cross Beam Around Vertical Column	Tractor Head Inclination	Torch Indination	Specification Of Flux	Flux Container Volume	Inner Diameter Of Wire Spool	Wire Spool Capacity	Dimension (L×W×H)	Weight
		Soft steel, solid core	70mm	100×100×70 (updown left right forward backward)	±90°	±45°	±45°	HJ431 (other fluxes could be applied depending on actual needs)	6L	Ø300	25kg	1080×480×740	55kg (does not include wire)

Auto Welding Carriage



HK-8SS Light Automatic Welding Carriage

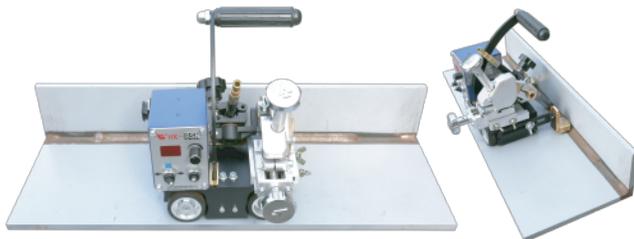
- ◀ Small volume, light weight, and easy for movement and installation.
- ◀ Adopting built-in dustproof and anti-magnetization transmission system, simple structure, and long service life.
- ◀ Adopting synchronous four-wheel drive, with rubber tires featuring excellent materials, high temperature resistance, and steady welding movement.
- ◀ The mighty permanent magnet guide wheel enables the trolley to always adhere to the welding bead closely, guaranteeing precise welding.
- ◀ Adopting gear drive and avoiding the phenomenon that traditional chains have looseness and vibration in running.
- ◀ Can deliver vertical angle welding and horizontal angle welding, and suitable for welding of cross section of reinforcer, etc.
- ◀ Widely applied to ship, bridge, engine, petrochemical complex, and steel structure work, etc.



HK-8SS-A Light Automatic Welding Carriage

- ◀ Small volume, light weight, and easy for movement and installation. Adopting built-in dustproof and anti-magnetization transmission system, simple structure, and long service life.
- ◀ Adopting synchronous four-wheel drive, with rubber tires featuring excellent materials, high temperature resistance, and steady welding movement.
- ◀ The mighty permanent magnet guide wheel enables the trolley to always adhere to the welding bead closely, guaranteeing precise welding.
- ◀ Adopting gear drive and avoiding the phenomenon that traditional chains have looseness and vibration in running.
- ◀ The magnet owns a leveling switch, which is convenient for centering and clearing iron garbage.
- ◀ Can deliver horizontal angle welding, and suitable for welding of cross section of reinforcer, etc.
- ◀ Widely applied to ship, bridge, engine, petrochemical complex, and steel structure work, etc.

Protoble Auto Welding Carriage

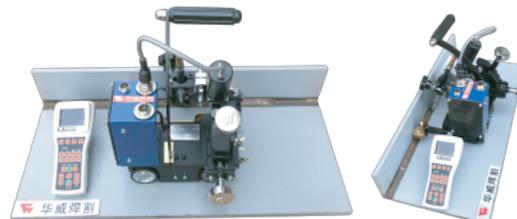


HK-8SN Protoble Auto Welding Carriage

- ◀ This carriage can walk forward and backward for welding
- ◀ This carriage is small in size and light in weight. It is easy to move and install under different conditions.
- ◀ This carriage adopts four-wheel drive and has high stability in walking.
- ◀ This carriage is adjusted to the automatic control state, and the welding starts.
- ◀ Reduce the number of operators, and one worker can operate multiple trolleys for welding at the same time.



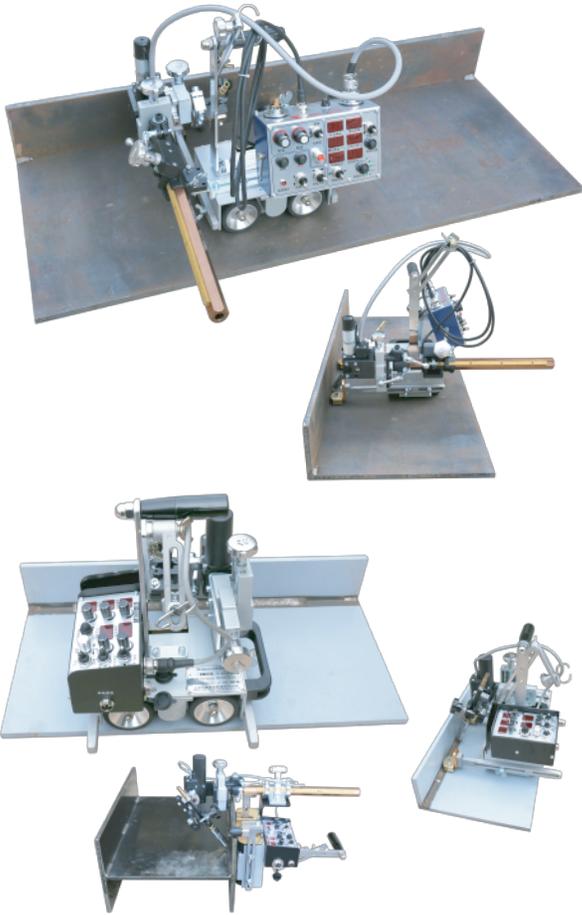
HK-8SNW Oscillating Protoble Welding Carriage



HK-8SNW-RC Oscillating Protoble Welding Carriage (wireless remote control)

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control				Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Left right	Work angle	Proceeing angle	Left/right pause time	Oscillating Motor	Wavering speed	Wavering angle			
HW1240	HK-8SS	AC220/50	280×230×340	50mm	50mm	45°	±10°	/	/	/	/	50~900	Rubber wheel four-drive	7.6
HW1241	HK-8SS-A	AC220/50	280×230×340	50mm	50mm	45°	±10°	/	/	/	/	50~900	Rubber wheel four-drive	8.8
HW1312	HK-8SN	AC220/50	230×200×250	50mm	50mm	45°	±10°	/	/	/	/	50~900	Rubber wheel four-drive	5
HW1313	HK-8SNW	AC220/50	280×190×290	50mm	50mm	45°	±10°	0~2.5s	Brushless motor	0~99	±15°	50~800	Rubber wheel four-drive	6.5
HW1318	HK-8SNW-RC	AC220/50	280×190×290	50mm	50mm	45°	±10°	0~2.5s	Brushless motor	0~99	±15°	50~800	Rubber wheel four-drive	6.5

Auto Welding Carriage



Side adsorption mode

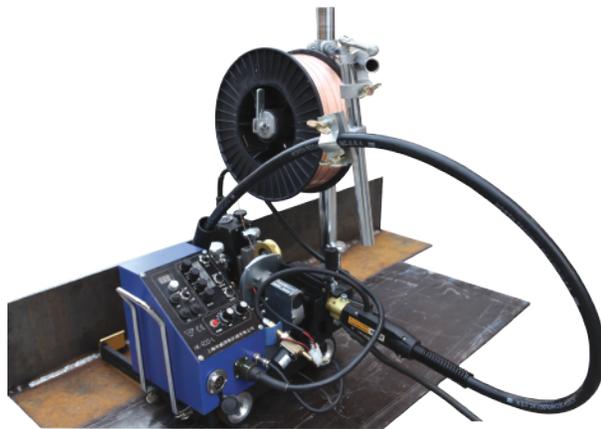
HK-8SS-W Swing-Type Vertical Welding Automatic Carriage

- ▶ Small volume, light weight, and easy for movement and installation.
- ▶ Adopting built-in dustproof and anti-magnetization transmission system, simple structure, and long service life.
- ▶ Adopting synchronous four-wheel drive, with rubber tires featuring excellent materials, high temperature resistance, and steady welding movement.
- ▶ The mighty permanent magnet guide wheel enables the trolley to always adhere to the welding bead closely, guaranteeing precise welding.
- ▶ Adopting gear drive and avoiding the phenomenon that traditional chains have looseness and vibration in running.
- ▶ Possessing swinging function, and available with welding modes of different specifications, and can thus achieve the best welding effect.
- ▶ Swinging speed, angle, off-centering position, and left and right stay time can be modulated at ease, and the digital tube displays various modulation data.
- ▶ Can deliver vertical angle welding and horizontal angle welding, and suitable for welding of cross section of reinforcer, etc.
- ▶ Widely applied to ship, bridge, engine, petrochemical complex, and steel structure work, etc.

HK-8SSWT Swing-Type Vertical Welding Automatic Carriage

- ▶ The swing speed, swing angle, center offset position, and left and right residence time can be adjusted, which is suitable for various welding beads of different specifications.
- ▶ The handle is a magnetic control type, moving this handle can partially reduce the magnetic force, which is convenient for cleaning iron garbage and moving the trolley.
- ▶ Permanent magnets and flat guide rails are installed to prevent the trolley from leaving the welding line.

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)	
				Up down	Left right	Work angle	Proceeing angle	Left/right pause time	Oscillating Motor	Wavering speed				Wavering angle
HW1242	HK-8SS-W	AC220/50	435×280×360	50mm	50mm	45°	±10°	0~2.5s	Brushed Motor	0~99	±15°	50~900	Rubber wheel four-drive	11.6
HW1267	HK-8SSWT	AC220/50	280×250×360	50mm	50mm	45°	±10°	0~2.5s	Brushless motor	0~99	±15°	50~900	Rubber wheel four-drive	9



HK-8SS-L Auto Welting Machine (Wire Feeder)

- ▶ The machine is made with a simple and compact structure, which including walking trolley, welding torch and wire feedes. Additionally, the total weight of this machine is about 30KG (without welding wire).
- ▶ The machine has a strong power and walking speed is stable. Especially, the machines has a system to monitoring and adjust speed so that the machine works with a constant speed.
- ▶ Additionally, the machine also have a quick-run model which allows the machine to back to the starting-welding position quickly.
- ▶ The machine has a swinging function, and there has a various welding modes can be chosen to achieve the best welding performance.
- ▶ Wavering speed, angle, off-centering position, and left and right stay time can be adjusted. Additionally, all parameters are displayed by digital tube.
- ▶ The machine is widely used for ship, bridge, engine, petrochemical and steel structure works, ect.

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Forward backward	Work angle	Proceeing angle			
HW1268	HK-8SS-L	AC220/50	530×580×700	60mm	100mm	45°	±10°	50-750	Rubber wheel four-drive	30

Auto Welding Carriage

HK-8SS-N No-blind-area Welding Machine

- ▶ The machine is used for angle welding, and a welding torch is designed to start moving when the tracker is not able to go forward. Therefore, the machine has able to weld front and rear area to prevent welding blind area.
- ▶ The machine is made with a small and compact structure, and it is easy to move and installed.
- ▶ The machine has a stabilized voltage supply inside to prevent interference by the arc welding. Based on the works of magnet and guide wheel, the machine can track welding trajectory perfectly.
- ▶ The machine uses a high-quality copper gear to avoid the magnetic interference of the magnet at the bottom of the tracker. Additionally, its rubber wheels are high temperature resistant. As a result, the tracker can move stably.



Section Automatic Welding Carriage

- ▶ Mainly sued for welding of U-shaped materials during bridge or box girder making;
- ▶ Small size, light weight, and integrated body which is solid and durable.
- ▶ Low gravitational center design with built-in high strength magnet and the high temperature proof rubber wheel drive leads to stable running.
- ▶ The X-Y adjustment of the welding pistol is very convenient, and support synchronous welding of two welding pistols, and also single welding pistol.
- ▶ Can conduct welding in both left and right directions, with both ends installed with the route sensing switch, which can make the trolley stop automatically upon ending of welding.
- ▶ Possessing the function of arc welding, and improving the quality of welding line of arc.
- ▶ Can be widely applied to ship, bridge, engine, and steel structure work, etc.



HK-8H

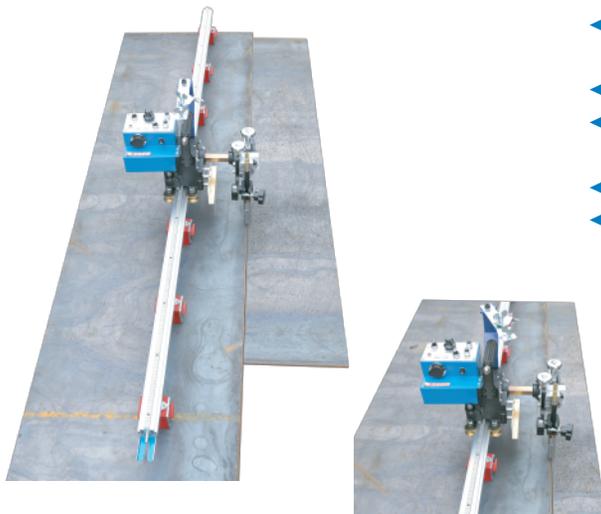


HK-8U

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Forward backward	Work angle	Proceeing angle			
HW1318	HK-8SS-N	AC220/50	220×300×225	60mm	60mm	45°	±10°	50~780	Rubber wheel four-drive	7.5
HW1258	HK-8U	AC220/50	380×680×700	60mm	10mm	45°	±10°	50~1000	Rubber wheel four-drive	17.8
HW1259	HK-8H	AC220/50	340×650×370	60mm	10mm	45°	±10°	50~1000	Rubber wheel four-drive	17.8

Auto Welding Carriage

HK-20 Mini-Rail Welding Carriage

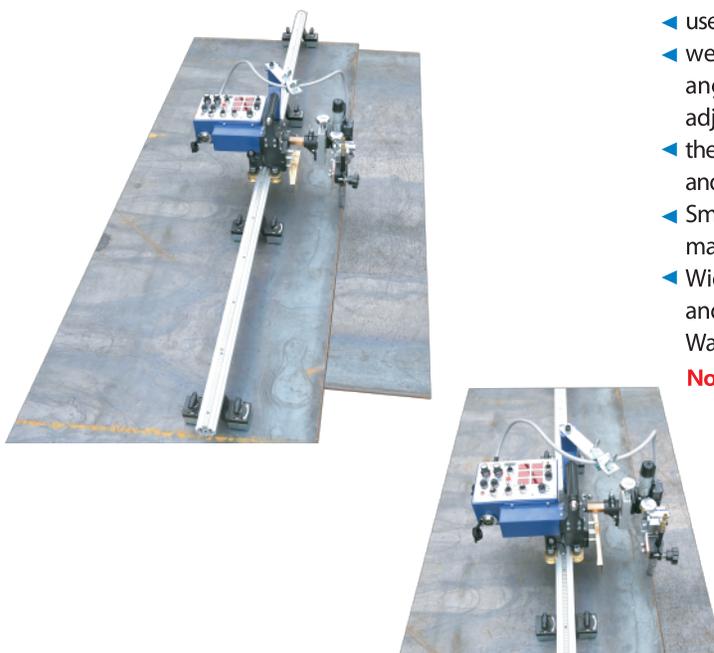


- ◀ Automatic fillet and butt welding in all position without torch weaving.
- ◀ Light weighted, simple and easy operation.
- ◀ Quick release clutch mechanism is provided to freely move the carriage into the desired position on the rail.
- ◀ Suitable to use in limited space.
- ◀ One piece of 1.8m long rail is included as standard. - the rail length can be.

Note: 1.8M Rail 1 Set per standard

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Forward backward	Work angle	Proceeing angle			
HW1256	HK-20	AC 220/50	350×250×250	45mm	45mm	0°~45°	±10°	50-800	Rack and pinion	5

HK-100 Wavering Auto Welding Carriage



- ◀ used for the auto-welding of jointing, vertical and horizontal
- ◀ welding touch has wavering function. Waving speed, angle, central shifting and left/right pause time can be adjusted so as to make the best welding result.
- ◀ the driven is equipped with manual clutch for easy position and returning to the starting position of the welding.
- ◀ Small rail is easy to move and equipped with permanent magnet, easy to operate.
- ◀ Widely use in shipbuilding ,bridge ,vehicle oil&chemical and steel structure engineering.

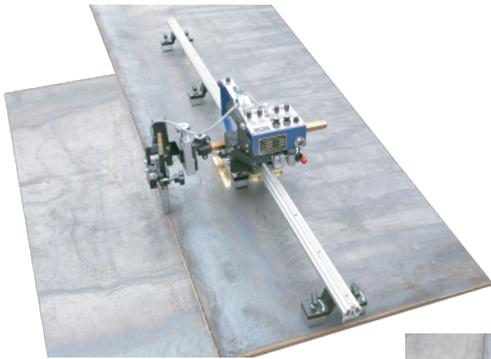
Wavering mode: NN

Note: 1.8M Rail 1 Set per standard

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)	
				Up down	Forward backward	Work angle	Proceeing angle	Left/right pause time	Oscillating motor	Wavering speed				Wavering angle
HW1257	HK-100	AC 220/50	480×260×100	60mm	150mm	0°~45°	±10°	0~2.5s	Brushed Motor	0~100	±15°	50-800	Rack and pinion	9

Auto Welding Carriage

HK-100 Wavering Auto Welding Carriage (2021V)



- used for the auto-welding of jointing, vertical and horizontal
- welding touch has wavering function. Waving speed, angle, central shifting and left/right pause time can be adjusted so as to make the best welding result.
- the driven is equipped with manual clutch for easy position and returning to the starting position of the welding.
- Small rail is easy to move and equipped with permanent magnet, easy to operate.
- Widely use in shipbuilding ,bridge ,vehicle oil&chemical and steel structure engineering.

Wavering mode: 

Note: 1.8M Rail 1 Set per standard

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)	
				Up down	Forward backward	Work angle	Proceeing angle	Left/right pause time	Oscillating motor	Wavering speed				Wavering angle
HW1273	HK-100	AC 220/50	480×260×100	60mm	150mm	0°~45°	±10°	0~2.5s	Brushless motor	0~99	±15°	50-800	Rack and pinion	8

HK-100-RC Standard Angle Welding Machine



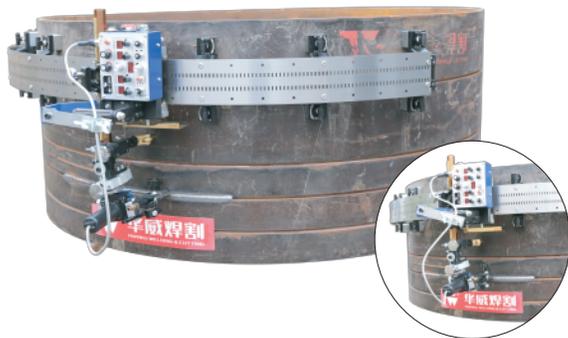
- used for the auto-welding of jointing, vertical and horizontal
- welding touch has wavering function. Waving speed, angle, central shifting and left/right pause time can be adjusted so as to make the best welding result.
- the driven is equipped with manual clutch for easy position and returning to the starting position of the welding.
- Small rail is easy to move and equipped with permanent magnet, easy to operate.
- Wireless remote control operation saves effort and energy

Wavering mode: 

Note: 1.8M Rail 1 Set per standard

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)	
				Up down	Forward backward	Work angle	Proceeing angle	Left/right pause time	Oscillating motor	Wavering speed				Wavering angle
HW1264	HK-100-RC	AC 220/50	480×260×100	60mm	150mm	0°~45°	±10°	0~2.5s	Brushless motor	0~99	±15°	50-800	Rack and pinion	8

Auto Welding Carriage



Vacuum suction flexible track (options)



Rigid rail (optional)



Rigid rail with vacuum suction cup (optional)

HK-100S Straight Welding Swing-type Automatic Welding Carriage

- ▶ Possessing swinging function, and available with welding modes of different specifications, and can thus achieve the best welding effect.
- ▶ Swinging speed, angle, off-centering position, and left and right stay time can be modulated at ease, and the digital tube displays various modulation data.
- ▶ Relatively wide section aluminum track makes the whole machine more stable in center of gravity; the under part of the track is installed with permanent magnet with switch, making it convenient for installation and movement.
- ▶ The drive is partially installed with manually operated clutch, which is convenient for rapid positioning of the machine on the track; the guide wheel is also provided with the engaging and disengaging gear, which is very convenient for install and uninstall of trolley and guide rail.
- ▶ Can deliver vertical angle welding and horizontal angle welding, and suitable for welding of cross section of reinforcer, etc.
- ▶ Vacuum sucker guide rail may be selected for welding of stainless steel or aluminum materials.
- ▶ Widely applied to ship, bridge, engine, petrochemical complex, and steel structure work, etc.

Wavering mode: **Note: 2M Flexible Rail: 2 Set per Standad package**

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)	
				Up down	Forward backward	Work angle	Proceeing angle	Left/right pause time	Oscillating motor	Wavering speed				Wavering angle
HW1243	HK-100S	AC 220/50	540×260×280	60mm	150mm	0°~45°	±10°	0~2.5s	Brushless motor	0~99	±15°	150~900	Sprocket drive	10

HK-100S-RC Straight Welding Swing-type Automatic Welding Carriage



Vacuum suction flexible track (options)



Rigid rail (optional)



Rigid rail with vacuum suction cup (optional)

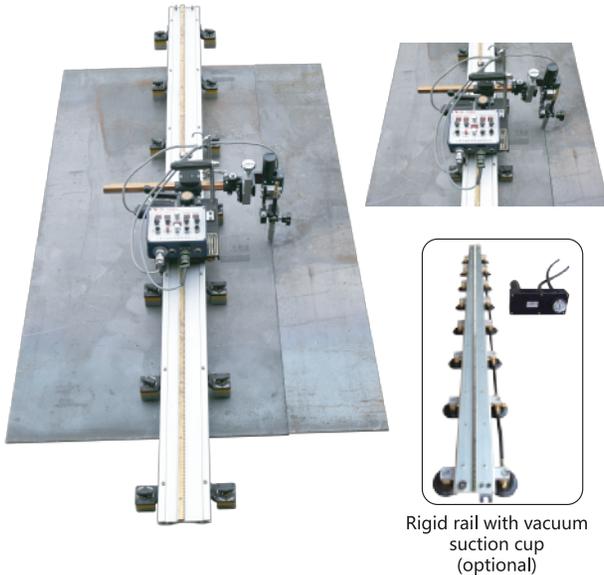
- ▶ Possessing swinging function, and available with welding modes of different specifications, and can thus achieve the best welding effect.
- ▶ Swinging speed, angle, off-centering position, and left and right stay time can be modulated at ease, and the digital tube displays various modulation data.
- ▶ Relatively wide section aluminum track makes the whole machine more stable in center of gravity; the under part of the track is installed with permanent magnet with switch, making it convenient for installation and movement.
- ▶ The drive is partially installed with manually operated clutch, which is convenient for rapid positioning of the machine on the track; the guide wheel is also provided with the engaging and disengaging gear, which is very convenient for install and uninstall of trolley and guide rail.
- ▶ Can deliver vertical angle welding and horizontal angle welding, and suitable for welding of cross section of reinforcer, etc.
- ▶ Vacuum sucker guide rail may be selected for welding of stainless steel or aluminum materials.
- ▶ Wireless remote control operation saves effort and energy

Wavering mode: **Note: 2M Flexible Rail: 2 Set per Standad package**

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)	
				Up down	Forward backward	Work angle	Proceeing angle	Left/right pause time	Oscillating motor	Wavering speed				Wavering angle
HW1263	HK-100S-RC	AC 220/50	540×260×280	60mm	150mm	0°~45°	±10°	0~2.5s	Brushless motor	0~99	±15°	150~900	Sprocket drive	10

Auto Welding Carriage

HK-100KE Straight Oscillation Welding Machine



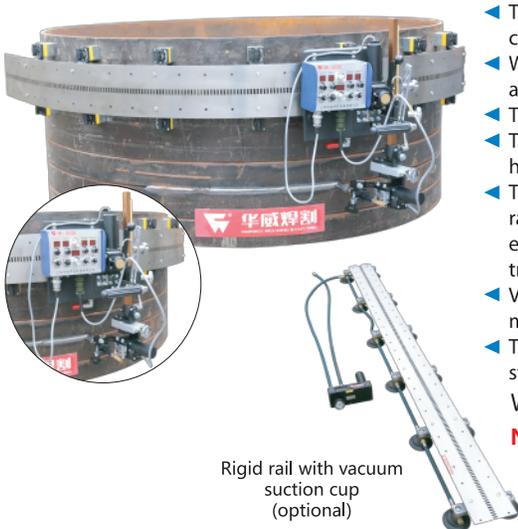
Rigid rail with vacuum suction cup (optional)

- ▶ The machine has a swinging function, and there has a various welding modes can be chosen to achieve the best welding performance.
- ▶ Wavering speed, angle, off-centering position, and left and right stay time can be adjusted. Additionally, all parameters are displayed by digital tube.
- ▶ The machine can be used for straight welding, and wavering function also is able to do wide welding seam.
- ▶ The machine uses a brushless-motor-driven to ensure the machine move steadily and high-quality welding performance.
- ▶ The drive is partially installed with manually operated clutch, which is convenient for rapid. positioning of the machine on the track; the guide wheel is also provided with the engaging and disengaging gear, which is very convenient for install and uninstal of trolley and guide rail.
- ▶ The machine can be used for vertical and horizontal welding, and it is suitable for welding of cross section of reinforce, etc.
- ▶ Vacuum sucker guide rail may be chosen for welding of stainless steel or aluminum materials. The machine is widely used for ship, bridge, engine, petrochemical complex, and steel structure works, etc.

Note: 2M Flexible Rail: 2 Set per Standad package

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)	
				Up down	Forward backward	Work angle	Proceeing angle	Left/right pause time	Oscillating motor	Wavering speed				Wavering angle
HW1265	HK-100KE	AC 220/50	540×360×280	60mm	180mm	0°~45°	±10°	0~2.5s	Brushless motor	0~99	±15°	50-850	Rack and pinion	8

HK-100SE Oscillation Welding Machine(Flexible Rails)



Rigid rail with vacuum suction cup (optional)

- ▶ The machine has a swinging function, and there has a various welding modes can be chosen to achieve the best welding performance.
- ▶ Wavering speed, angle, off-centering position, and left and right stay time can be adjusted. Additionally, all parameters are displayed by digital tube.
- ▶ The machine has flexible rails, is suit for welding of pipe with large diameter.
- ▶ The machine uses a brushless-motor-driven to ensure the machine move steadily and high-quality welding performance.
- ▶ The drive is partially installed with manually operated clutch, which is convenient for rapid positioning of the machine on the track; the guide wheel is also provided with the engaging and disengaging gear, which is very convenient for install and uninstal of trolley and guide rail.
- ▶ Vacuum sucker guide rail may be chosen for welding of stainless steel or aluminum materials
- ▶ The machine is widely used for ship, bridge, engine, petrochemical complex, and steel structure works, etc.

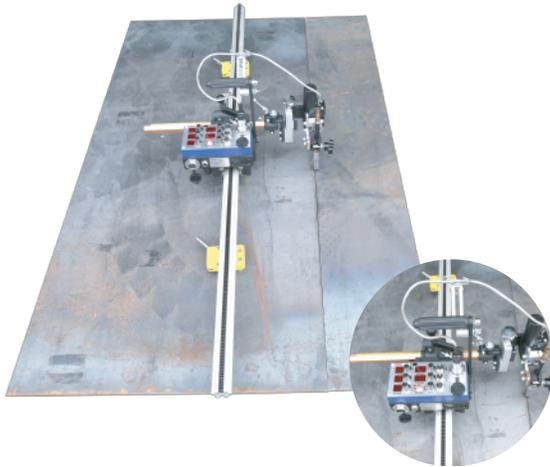
Wavering mode:

Note: 2M Flexible Rail: 2 Set per Standad package

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)	
				Up down	Forward backward	Work angle	Proceeing angle	Left/right pause time	Oscillating motor	Wavering speed				Wavering angle
HW1266	HK-100SE	AC 220/50	540×350×290	60mm	180mm	0°~45°	±10°	0~2.5s	Brushless motor	0~99	±15°	50-850	Sprocket drive	9

Auto Welding Carriage

HK-200WK Waveing Auto Welding Carriage



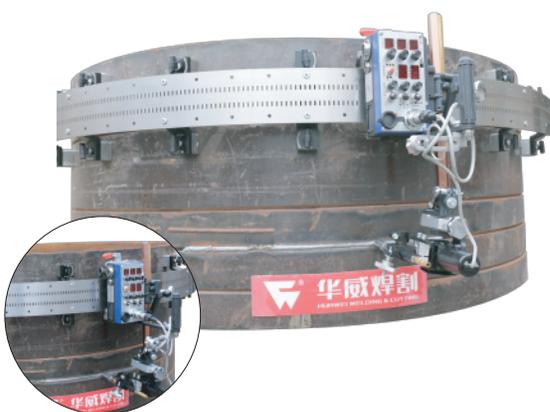
- ◀ used for the auto-welding of jointing, vertical and horizontal
- ◀ welding touch has wavering function. Waving speed, angle, central shifting and left/right pause time can be adjusted so as to make the best welding result.
- ◀ the driven is equipped with manual clutch for easy position and returning to the starting position of the welding.
- ◀ Small rail is easy to move and equipped with permanent magnet, easy to operate.
- ◀ Widely use in shipbuilding ,bridge ,vehicle oil&chemical and steel structure engineering.

Wavering mode:

Note: 1.5M Flexible Rail: 1 Set per Standad package

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)	
				Up down	Forward backward	Work angle	Proceeing angle	Left/right pause time	Oscillating motor	Wavering speed				Wavering angle
HW1360	HK-200WK	AC 220/50	540×240×300	60mm	150mm	0°~45°	±10°	0~2.5s	Brushless motor	0~99	±15°	50-700	Rack and pinion	7.5

HK-200WSF Straight Welding Swing-type Automatic Welding Carriage



- ◀ Possessing swinging function, and available with welding modes of different specifications, and can thus achieve the best welding effect.
- ◀ Swinging speed, angle, off-centering position, and left and right stay time can be modulated at ease, and the digital tube displays various modulation data.
- ◀ Relatively wide section aluminum track makes the whole machine more stable in center of gravity; the under part of the track is installed with permanent magnet with switch, making it convenient for installation and movement.
- ◀ The drive is partially installed with manually operated clutch, which is convenient for rapid positioning of the machine on the track; the guide wheel is also provided with the engaging and disengaging gear, which is very convenient for install and uninstall of trolley and guide rail.
- ◀ Can deliver vertical angle welding and horizontal angle welding, and suitable for welding of cross section of reinforcer, etc.
- ◀ Vacuum sucker guide rail may be selected for welding of stainless steel or aluminum materials.
- ◀ Widely applied to ship, bridge, engine, petrochemical complex, and steel structure work, etc.

Wavering mode:

Note: 2M Flexible Rail: 1 Set per Standad package

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)	
				Up down	Forward backward	Work angle	Proceeing angle	Left/right pause time	Oscillating motor	Wavering speed				Wavering angle
HW1359	HK-200WSF	AC 220/50	520×240×300	60mm	150mm	0°~45°	±10°	0~2.5s	Brushless motor	0~99	±15°	150~900	Sprocket drive	8

Auto Welding Carriage



HK-11WE Pipe All-position Automatic Welding Carriage

- ◀ This device is mainly used for pipeline engineering and pressure vessel welding.
- ◀ The machine is small in size, light in weight, and the integrated body is sturdy and durable.
- ◀ Low center of gravity design, high strength magnet placed inside, ferromagnetic wheel drive, smooth walking.
- ◀ The welding torch X-Y adjustment is very convenient, and the steel belt track guide, accurate alignment welding.
- ◀ The control box is equipped with LED display, various parameters are displayed intuitively and clearly.
- ◀ With arc closing function to improve the welding quality at the closing arc.
- ◀ Equipped with oscillating device.



HK-11WS Pipe All-position Automatic Welding Carriage (wireless remote control)

- ◀ This device is mainly used for pipeline engineering and pressure vessel welding.
- ◀ The machine is small in size, light in weight, and the integrated body is sturdy and durable.
- ◀ Low center of gravity design, high strength magnet placed inside, ferromagnetic wheel drive, smooth walking.
- ◀ The welding torch X-Y adjustment is very convenient, and the steel belt track guide, accurate alignment welding.
- ◀ Wireless remote control operation saves effort and energy.
- ◀ With arc closing function to improve the welding quality at the closing arc.
- ◀ Equipped with oscillating device.

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Left right	Work angle	Proceeing angle	Left/right pause time	Wavering speed	Wavering angle			
HW1299	HK-11WE	AC 220/50	380×279×180	60mm	110mm	0°~45°	±10°	0~2.5s	0~100	±15°	50~500	Iron wheel four-drive	14.5
HW1289	HK-11WS	AC 220/50	300×310×180	60mm	110mm	0°~45°	±10°	0~2.5s	0~100	±15°	50~500	Iron wheel four-drive	11

HK-11WG Pipe All-position Automatic Welding Carriage (wireless remote control)



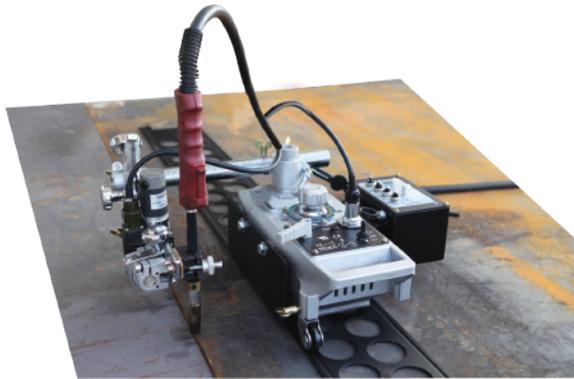
- ◀ HK-11WG automatic all-position welding machine for pipeline adopts the way of pipe fixing and welding carriage walking to realize the automatic all-position welding of pipeline, and the welding process adopts high-efficiency and low-cost melt gas shielded welding;
- ◀ The main features of the HK-11WG automatic all-position welding machine for pipes are its light and portable design, especially suitable for automatic welding of pipes at construction sites, easy to learn to operate, fast welding speed, high production efficiency, low labor intensity and stable welding performance.
- ◀ The equipment is applicable to a wide range of pipes with diameter $\Phi 150\text{mm}$ and above. Theoretically, there is no limitation of welding wall thickness, and thick-walled pipes can be welded in multiple layers.



Optional:
special steel strip guide
for threaded steel pipe

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Left right	Work angle	Proceeing angle	Left/right pause time	Wavering speed	Wavering angle			
HW1365	HK-11WG	AC 220/50	380×180×279	60mm	110mm	0°~45°	±10°	0~2.5s	0~100	±15°	0~750	Iron wheel four-drive	14.5

Auto Welding Carriage



CG1-30SW Automatic Oscillating Welding Carriage

The CG1-30-S Automatic oscillating welding carriage is made of high-strength aluminum ingot material by precision die-casting, its reasonable structural design to ensure good walking stability. When this carriage is running at standard speed, it can be used for automatic oscillating welding with the control box and oscillating device. This machine can also be equipped with a flame cutting torch for cutting.

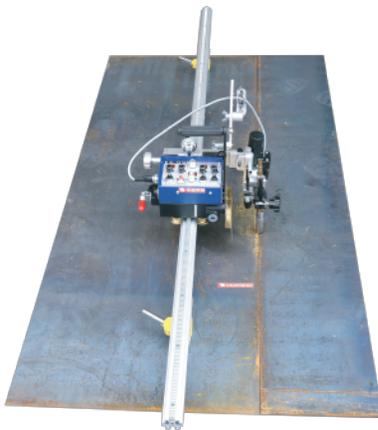
Note: 1.8M Flexible Rail: 2 Set per Standad package

HK-12MAX-3-S Swing Auto Welding Carriage

- ◀ The machine adopts high-strength aluminium alloy ingot materials and is manufactured through accurate die-casting. Its structure is designed reasonably to ensure good stability in movement
- ◀ The speed control system of the device adopts a mechanical two-cone stepless speed change system to control the speed more intuitively.
- ◀ The machine adopts an imported alternator with cooling fan, in which the carbon brush need not be changed
- ◀ The machine can use different troches such as plasma, gas cutting and welding troches. Additionally, it also has a high-speed mode to be used with plasma cutting.
- ◀ The machine has a welding control box and a wavering part to do the wavering welding works.

Note: 1.8M Flexible Rail: 1 Set per Standad package

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Left right	Work angle	Proceeing angle	Left/right pause time	Wavering speed	Wavering angle			
HW1314	CG1-30SW	AC 220/50	445×600×260	80mm	200mm	0°~45°	±10°	0~2.5s	0~100	±15°	50-750	Iron wheel four-drive	17
HW1315	HK-12MAX-3-S	AC 220/50	220×300×225	80mm	120mm	0°~45°	±10°	0~2.5s	0~100	±15°	80~800/ 240-2400	Iron wheel four-drive	12.5



HK-72T-W Standard Angle Welding Machine

- ◀ used for the auto-welding of jointing, vertical and horizontal
- ◀ welding touch has wavering function. Waving speed, angle, central shifting and left/right pause time can be adjusted so as to make the best welding result.
- ◀ the driven is equipped with manual clutch for easy position and returning to the starting position of the welding.
- ◀ Small rail is easy to move and equipped with permanent magnet, easy to operate.
- ◀ Widely use in shipbuilding ,bridge ,vehicle oil&chemical and steel structure engineering.

Wavering mode:

Note: 1.8M Rail 1 Set per standard

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Wavering control			Speed (mm/min)	Method of driving	Weight (kg)	
				Up down	Forward backward	Work angle	Proceeing angle	Left/right pause time	Oscillating motor	Wavering speed				Wavering angle
HW1057	HK-72T-W	AC 220/50	350×230×280	50mm	80mm	0°~45°	±10°	0~2.5s	Brushless motor	0~99	±15°	50-800	Rack and pinion	6.8

Auto Welding Carriage



HK-22MZ Automatic Submerged Arc Welding Tractor

- ◀ This machine has a light weight and steady movement
- ◀ It equips a wire feeder which is suit for wire diameter from $\Phi 0.8 \sim \Phi 1.6$.
- ◀ The wire feeds provide tractive effort and high accuracy with lower energy consumption
- ◀ The welding torch and wire feeder use the one-piece design to provide convenience to adjustment and installed.
- ◀ The Flux container can be adjust by different angle and height.
- ◀ It used for butt welding, angle welding and overlap welding with medium-thick plate and thick plate.

HK-31 Butt-welding Carriage

- ◀ Portable design is good for installing and carrying.
- ◀ Adopting build-in dustproof and anti-magnetization transmission system, simple structure and long service life.
- ◀ Adopting synchronous four-wheel drive, with rubber tires featuring excellent materials, high temperature resistance, and steady welding movement.
- ◀ It use gear drive to avoid looseness and vibration of traditional chain drive during the movement.
- ◀ It has wavering function with various welding paths to ensure high welding quantity.
- ◀ Waving speed, angle, central shifting and left/right pause time can be adjusted, and all parameter can be shown on the meter.
- ◀ It is suit for long-distance butt welding etc.,
- ◀ It is widely applied to ship, bridge, petrochemical and steel structure work, etc.

Note: 1.8M Flexible Rail: 2 Set per Standad package

Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch				Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Forward backward	Work angle	Proceeing angle			
HW1317	HK-22MZ	Power supply for welding machine DC24V	470×230×750	110mm	80mm	45°	±15°	50~1500	Iron wheel four-drive	19
HW1316	HK-31	AC220/50	425×268×230	120mm	320mm	0°~45°	±10°	50~780	Rubber wheel four-drive	13.8



ITP-58 Automatic Tube and Plate Welding Machine

- ◀ It is mainly used for automatic welding of boiler tube plate, tube box tube plate, air preheater tube plate and various heat exchanger tube plate.
- ◀ It can realize the automatic welding of flat angle welding seam of tube extension and butt welding seam of tube flush type.
- ◀ It adopts programmable controller for control, Chinese character human-machine interface, intuitive operation, high reliability and strong expandability.



Order NO.	Model NO.	Supply Voltage V/Hz	L×W×H (mm)	Rang for adjusting torch			Weldable Tube Diameter (mm)	Speed (mm/min)	Method of driving	Weight (kg)
				Up down	Left and Right	Adjustment Angle				
HW1366	ITP-58	AC220/50	300×170×520	±60mm	±60mm	±90°	Φ40~58	0~100	Stepper motor	8.5

Meticulously Design · Precisely Production · Excellent Service · Scientific Management

Pneumatic & Electric Beveler



Pipe Beveler



GPK-80

GPK-150

GPK-351

GPK-500

GPK-850-II

GPK series pneumatic pipe beveling machine.

Technical parameters: pneumatic motor drive, air pressure 0.6MPa-0.8MPa, air consumption 650-2000L / min.
Standard tool: 0° flat tool, 30° beveling tool, 37° beveling tool.

(Note: For beveling other degrees or other material alloy steel, cast steel, please inform us before ordering)

Product Description: This product design with internal expansion and self-centering structure, easy to operate. Pneumatic motor drive does not produce spark, safe and reliable during use. Use an air compressor during operation. It is applicable to flammable and explosive workplace. The II type of pipe beveling machine with automatic tool feeding structure design, the feeding speed is adjustable, the beveling degree can be adjusted in the range of 0° -37°, suitable for thick-walled pipe beveling processing.

Order NO.	Model NO.	Processing range (mm)	Beveling thickness (mm)	Cutter speed (rpm)	Weight of machine (kg)
HW5501	GPK-28	Φ16-28	≦ 8	50	8.5
HW5502	GPK-80	Φ28-78	≦ 15	56	11
HW5510	GPK-150	Φ65-161	≦ 15	25	24.5
HW5515	GPK-250	Φ80-240	≦ 15	20	45.2
HW5516	GPK-250- II	Φ80-240	≦ 75	20	44.6
HW5520	GPK-351	Φ150-330	≦ 15	14	58.2
HW5521	GPK-351- II	Φ150-330	≦ 75	14	66.4
HW5524	GPK-500	Φ250-520	≦ 15	8	94
HW5530	GPK-630	Φ280-610	≦ 15	10	115.3
HW5531	GPK-630- II	Φ280-610	≦ 75	10	119.3
HW5534	GPK-850- II	Φ610-820	≦ 75	9	167

Pipe Beveler



ISY-28



ISY-80



ISY-150



ISY-250



ISY-351



ISY-351-II



ISY-500



ISY-850-II

ISY series of electric pipe beveling machine

Technical parameters: carbon brush motor drive, voltage 220V, frequency 50-60Hz.

Standard tool: 0° flat tool, 30° beveling tool, 37° beveling tool.

(Note: For beveling other degrees or other material alloy steel, cast steel, please inform us before ordering)

Product Description: This product design with internal expansion and self-centering structure, easy to operate. It uses carbon brush motor drive, high speed, low power consumption, motor power 1.5KW-1.8KW. Widely used in petroleum, chemical, natural gas, boilers, nuclear power, stadium construction and other industries pipeline installation works and repair operations. The II type of pipe beveling machine with automatic tool feeding structure design, the feeding speed is adjustable, the beveling degree can be adjusted in the range of 0°-37°, suitable for thick-walled pipe beveling processing.

Order NO.	Model NO.	Processing range (mm)	Beveling thickness (mm)	Cutter speed (rpm)	Weight of machine (kg)
HW5504	ISY-28	Φ16-28	≤ 8	50	10.5
HW5503	ISY-80	Φ28-78	≤ 15	56	13.5
HW5512	ISY-150	Φ65-161	≤ 15	19	27
HW5513	ISY-250	Φ80-240	≤ 15	11	51.2
HW5514	ISY-250- II	Φ80-240	≤ 75	20	47
HW5522	ISY-351	Φ150-330	≤ 15	9.5	61.3
HW5523	ISY-351- II	Φ150-330	≤ 75	9.5	69.4
HW5526	ISY-500	Φ250-520	≤ 15	8	95
HW5532	ISY-630	Φ280-610	≤ 15	6	118.3
HW5533	ISY-630- II	Φ280-610	≤ 75	6	122.3
HW5535	ISY-850- II	Φ610-820	≤ 75	8	169.5

Pipe Beveler



GPX-300

GPX-450

GPX-750

GPX Series Pneumatic Pipe Beveler

It is an external mounting type machine suitable for processing at working site and where with danger of explosion.

Drive motor: GPX pneumatic motor

Working pressure: 0.6MPa-0.8MPa

Air flow: 1500-2000L / min

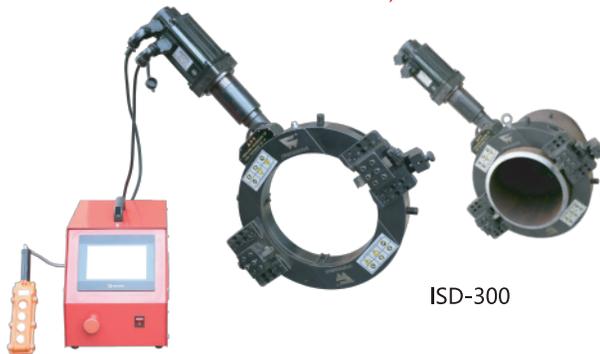
Single tool max cutting thickness: ≤ 25 mm

Order NO.	Model NO.	Processing range OD(mm)	Beveling thickness		Cutter speed (rpm)
			Single tool(mm)	Multi-tool(mm)	
HW5567	GPX-150	$\Phi 65-150$	≤ 25	≤ 50	16
HW5560	GPX-300	$\Phi 150-300$	≤ 25	≤ 50	15
HW5561	GPX-450	$\Phi 300-450$	≤ 25	≤ 50	14
HW5562	GPX-600	$\Phi 450-600$	≤ 25	≤ 50	13
HW5563	GPX-750	$\Phi 600-750$	≤ 25	≤ 50	12.2
HW5564	GPX-900	$\Phi 750-900$	≤ 25	≤ 50	11.2
HW5565	GPX-1050	$\Phi 900-1050$	≤ 25	≤ 50	10.2
HW5566	GPX-1116	$\Phi 1050-1116$	≤ 25	≤ 50	8.5

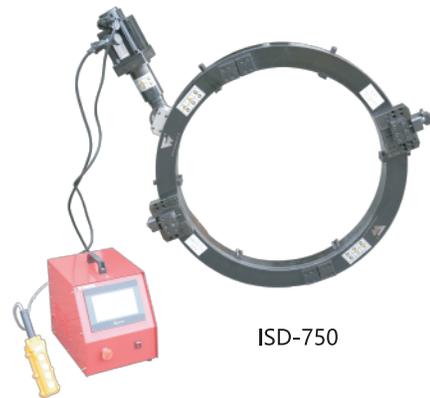
Pipe Beveler



ISD-150
(Equipped with German Metabo motor)



ISD-300



ISD-750



ISD-450



ISD-900

ISD Servies Electric Pipe Beveler

It is an external mounting type machine suitable for processing at working Site and where with danger of explosion.

Drive motor: ISD electric motor Motor power: 1100W-2200W Frequency: 50Hz
Current: 6A Single tool max cutting thickness: ≤ 25 mm

Order NO.	Model NO.	Processing range OD(mm)	Beveling thickness		Cutter speed (rpm)
			Single tool(mm)	Multi-tool(mm)	
HW 5550	ISD-150	$\Phi 65-150$	≤ 25	≤ 50	20
HW 5551	ISD-300	$\Phi 150-300$	≤ 25	≤ 50	20
HW 5552	ISD-450	$\Phi 300-450$	≤ 25	≤ 50	20
HW 5553	ISD-600	$\Phi 450-600$	≤ 25	≤ 50	20
HW 5554	ISD-750	$\Phi 600-750$	≤ 25	≤ 50	19
HW 5555	ISD-900	$\Phi 750-900$	≤ 25	≤ 50	18
HW 5556	ISD-1050	$\Phi 900-1050$	≤ 25	≤ 50	18
HW 5557	ISD-1116	$\Phi 1050-1116$	≤ 25	≤ 50	12

Facing Machine



hydraulic flange facing machine



hydraulic station



electric flange facing machine



electric control box

Internal expansion type flange facing machine

This series of products for large-scale pipeline or flange processing. With the internal expansion type positioning installation and mechanical multi-support claws fixed inside of the flange or pipe wall. The machine could work in safe and reliable condition. Could work for flange facing, seal groove and flange sealing surface. Widely used in oil, ships, boilers, nuclear power and other areas of the pipeline and flange surface repair processing. Two power supply option CNC model or hydraulic drive model.

Order NO.	Model NO.	Drive Model	Processing Range (mm)	Cutter rotational speed (rpm)	Flange sealing surface process	Plane and groove process	Beveling process
HW5600	HCI-500	Hydraulic	Φ200~500	18	x	√	√
HW5601	SCI-500	CNC					
HW5602	HCI-1000	Hydraulic	Φ500~1000	12	x	√	√
HW5603	SCI-1000	CNC					
HW5604	HCI-1500	Hydraulic	Φ1000~1500	8	√	√	√
HW5605	SCI-1500	CNC					
HW5606	HCI-2000	Hydraulic	Φ1000~2000	8	√	√	√
HW5607	SCI-2000	CNC					
HW5608	HCI-3000	Hydraulic	Φ1500~3000	5	√	√	√
HW5609	SCI-3000	CNC					

Remarks: large beveling surface processing need to purchase automatic beveling accessories.
Non-standard products can be designed and manufactured according to the user.

Pipe Beveler



ZPK Series Circumscribed pipe Beveler

ZPK series pipe beveling machine is mainly used for pressure pipe beveling before welding special equipment, electric fire island for some site work space is limited pipeline maintenance, repair characteristics of large quantities of design and manufacture of special type equipment.

- ▶ For water wall, superheater, reheater, economizer tubes and other professional equipment on-site conditions and the dimensions of the machine designed to maximize the machine's overall weight reduction.
- ▶ Simplified methods of operation, improve work efficiency.
- ▶ Choose low alloy steel tips, can adapt to a variety of labels for steel pipe processing.
- ▶ Imported from Germany metabo motor, powerful engine and durable endurance.
- ▶ Chips machine can automatically feed, automatic retraction reset, simple operation, safe and reliable.

Order NO.	Model NO.	Power Supply V/HZ	Bevel angle V Type	Longitudinal travel(mm)	Bevel range Φ (mm)	Beveling thickness range (mm)	Weight (Kg)
HW5570	ZPK-63	AC220/50	30°45°60° 平口	0-16	25、28、32、38、42、44.5、48、51、54、57、60、63	< 12	11.5
HW5572	ZPK-114	AC220/50	30°45°60° 平口	0-18	76、83、89、95、102、108、114	< 12	/



PQX-15-S Chamfering Machine

It is mainly used for beveling of metal plates and end faces of holes. It can completely replace the previous thermal processing of flame and arc cutting and slow manual grinding process, and can achieve the beveling accuracy that cannot be achieved by the above processes, so as to meet the requirements of welding specifications. The machine is easy to operate, easy to adjust the beveling rules, economical and reliable, and 10-15 times more efficient than economic equipment.

Order NO.	Model NO.	ELECTRIC POWER V/HZ	MOTOR POWER W	OSCILLATINGP MOTOR (MM)	BEVELING ANGLE	Minimum fillet radius of workpiece(Depending on the chamfer width)	Minimum aperture (Depending on the chamfer width)	WEIGHT (Kg)
HW5549	PQX-15-S	AC220/50	2020W	≤15	Standard 30° (Other angles need to be customized)	12-20MM	45-60MM	8.5



PQX-15 Series Pipe & Plate Beveler

This machine is specialized in beveling process for pipe and plate, as well as milling. It features portable and compact and reliable performance. It is widely used and with unique advantage in cutting process of copper, aluminum, stainless steel and other metals. It's efficiently 30-50 times the original hand milling.



Order NO.	Model NO.	ELECTRIC POWER V/HZ	MOTOR POWER W	BEVELING RANGE MM	BEVELING ANGLE	BLADE NUMBER	WEIGHT (Kg)	Minimum slope mouth diameter (mm)
HW5545	PQX-15	AC220/50	1100W	≤15	15°-45°	12	23	≥ Φ 168

Automatic plate milling machine



CHP-60L
 (Spindle speed is not adjustable)
 Note: Suitable for carbon steel,
 aluminum alloy, copper

CHP-60S
 (Adjustable spindle speed)
 Note: Suitable for carbon steel,
 stainless steel, copper, aluminum alloy

Automatic plate milling machine

This product is an auto feeding milling equipment, processing beveling while milling. It could reduce the use of cost and labor intensity. With cold cutting operation the beveling surface without oxidation. The processed surface finish can reach to Ra3.2 ~ 6.3. It fully meet the welding industry requirements. No burring are required to start welding. This product is simple and non-polluting.

Order NO.	Model NO.	Model NO.	Beveling power (W)	Beveling speed (mm/min)	Minimum plate length (mm)	Minimum clamping plate width (mm)	Total power (W)	Feed power (W)	Steel plate beveling degree	Beveling steel plate thickness (mm)	Weight (kg)
HW5580	CHP 60L	AC 380V 50Hz	4000	0-1500 (Adjustable)	200	≥100mm	4400	400	0~90°	8~60	218
HW5581	CHP 60S	AC 380V 50Hz	4000	0-1500 (Adjustable)	200	≥100mm	4400	400	0~90°	8~60	220

Automatic plate milling machine



Bevel the upside of steel plate

Bevel the downside of steel plate



CHP-80

(The spindle speed can be adjusted)
 Note: Suitable for carbon steel,
 stainless steel, copper, aluminum alloy



CHP-80R

(The spindle speed can be adjusted)
 (Automatically reversible)
 Note: Suitable for carbon steel,
 stainless steel, copper, aluminum alloy

Automatic plate milling machine

This product is an auto feeding milling equipment, processing beveling while milling. It could reduce the use of cost and labor intensity. With cold cutting operation the beveling surface without oxidation. The processed surface finish can reach to Ra3.2 ~ 6.3. It fully meet the welding industry requirements. No burring are required to start welding. This product is simple and non-polluting.

Order NO.	Model NO.	Model NO.	Beveling power (W)	Beveling speed (mm/min)	Single-pass beveling width (mm)	Maximum slope width (mm)	Minimum damping plate width (mm)	Total power (W)	Feed power (W)	Steel plate beveling degree	Beveling steel plate thickness (mm)	Weight (kg)
HW5585	CHP 80	AC 380V 50Hz	4400	0-1500 (Adjustable)	15-20mm	67mm	≥200mm	4800	400	0~60°	8~60	245
HW5586	CHP 80R	AC 380V 50Hz	4400	0-1500 (Adjustable)	0-20mm	67mm	≥200mm	4800	400	0~60°	8~80	310

Pipe & Plate Beveler



CHP-12



CHP-28



CHP-12G

Automatic Walking Style Plate Beveling Machine

- ▶ This machine is the production equipment with high working efficiency, ready for self propelled operation as well as steady running.
- ▶ Suitable for high-volume centralized production, flexible to use in every place of workshop.
- ▶ A small investment, no limit working length and high working flexibility.
- ▶ During processing, the machine automatically feeds along the edge of plate with high feeding speed and high efficiency. Without any change of plate shape and plate metallography.
- ▶ At the same time, an operator can take care of several devices, the working condition is simple.
- ▶ Suitable for the cutting of ordinary carbon steel, medium carbon steel, stainless steel, aluminum alloy and other materials
- ▶ CHP-12 can bevel the 12mm width of the slope in a single pass (when the common carbon steel plate is the 400MP)
- ▶ CHP-28 can bevel the 28mm width of the slope in a single pass (when the common carbon steel plate is 400MP)

Order NO.	Model NO.	Power Supply V/Hz	Motor Power W	Processing minimum width (mm)	Thick steel plate processing (mm)	Beveling speed (m/min)	Pipe beveling Minimum diameter(mm)	Weight (Kg)
HW5542	CHP-12	AC 380V 50Hz	2200	55	6-40	2.6	100	99
HW5544	CHP-12G	AC 380V 50Hz	2200	85	6-40	2.6	/	175
HW5543	CHP-28	AC 380V 50Hz	2200	100	6-50	2.1	/	415

Meticulously Design · Precisely Production · Excellent Service · Scientific Management

Electrode Dryer & Oven



Portable Electrode Dryer



TRB-5

W-3

TRB-10

Portable Welding Rod Dryer For 5Kg Rod

TRB Series: heating by arc welder with secondary side power of both DC and AC.
Drying speed will be slowed down when welder is working.
Can be 45° Slope placed. easy for getting rod.

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)	Remarks
HW2510	TRB-2.5	400	2.5	140/90	1800×590H	1.8	Zinc coated inner tube
HW2520	TRB-5	400	5	140/90	1800×590H	2.0	Zinc coated inner tube
HW2511	TRB-2.5A	450	2.5	140/90	1800×640H	2.0	Zinc coated inner tube
HW2521	TRB-5A	450	5	140/90	1800×640H	2.2	Zinc coated inner tube
HW2512	TRB-2.5B	400	2.5	140/90	1800×590H	2.0	Stainless steel inner tube
HW2522	TRB-5B	400	5	140/90	1800×590H	2.0	Stainless steel inner tube

Portable Welding Rod Dryer For 5Kg Rod

W-3 Series: heating by arc welder with secondary side power of both DC and AC.
Drying speed will be slowed down when welder is working.
Can be 45° Slope placed. easy for getting rod.

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)	Remarks
HW2530	W-3	400	5	140/90	1600×500H	1.6	Zinc coated inner tube
HW2531	W-3A	450	5	140/90	1600×550H	1.8	Zinc coated inner tube
HW2532	W-3B	400	5	140/90	1600×500H	1.6	Stainless steel inner tube

Portable Welding Rod Dryer For 10kg Rod

TRB-10 Series: heating by arc welder with secondary side power of both DC and AC.
Drying speed will be slowed down when welder is working.
Can be 45° Slope placed, easy for geeing rod.

Order NO.	Model NO.	WORK VOLTAGE (V)	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)	Remarks
HW2540	TRB-10	60-90	450	10	280	2350×560H	4.4	Zinc coated inner tube
HW2541	TRB-10A	60-90	450	10	280	2350×560H	4.4	Zinc coated inner tube
HW2542	TRB-10B	60-90	450	10	280	2350×560H	4.4	Stainless steel inner tube

Portable Electrode Dryer



Portable Welding Rod Dryer For 5kg Rod

F Tpye

Welder secondary side Both for AC and DC

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)
HW8880	F-5	450	5	500/80	1900×660H	3.50
HW8890	F-5	550	5	600/80	1900×760H	4.50



Portable Welding Rod Dryer For 10kg Rod

F Tpye

Welder secondary side Both for AC and DC

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)
HW8850	F-10	450	10	700/80	2350×635H	6
FW8860	F-10	550	10	700/80	2300×735H	7
HW8870	F-10	750	10(20)	800/80	2300×835H	11



K-5

K-5A

Portable Welding Rod Dryer For 5kg Rod

K Tpye

Welder secondary side for AC and DC

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)
HW8810	K-5	450	5	750/220 180/110	1800×600H	4
HW8820	K-5	550	5	750/220 180/110	1800×700H	5
HW8811	K-5A	450	5	750/220 180/110	1800×600H	4
HW8821	K-5A	550	5	750/220 180/110	1800×700H	5

Portable Welding Rod Dryer For 10kg Rod

K Tpye

Welder secondary side for AC and DC



Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)
HW8830	K-10	450	10	1500/220 200/80	2350×675H	5
HW8840	K-10	550	10	1500/220 200/80	2300×775H	5

Portable Electrode Dryer



Portable Welding Rod Dryer For 5Kg Rod

D Tpye

Welder secondary side (AC/DC 120V)
MAX Temperature 150°

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)
HW8750	D-5V	500	5	75/120	180×575	3.8



Portable Heat Tetainable Dryer For 10kg Rod

D Tpye

Welder secondary side (AC/DC 120V 230V)
(Temp.reguration: 50°C to 150°C Steplessly) Single phase

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)
HW8990	D-10V	500	100	150	235×575	5.5



Portable Welding Rod Dryer For 5Kg Rod

D Tpye

Welder secondary side
for AC only

D Tpye (110V)

AC/DC 100V/110V

D Tpye (220V)

Single phase 200V/220V

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)
HW8712	D-5E	450	5	300	210×505	2.8



Portable Heat Retainable Dryer For 10kg Rod

D Tpye

Welder secondary side
for AC

D Tpye (110V)

AC/DC 100V/110V

D Tpye (220V)

Single phase 200/220V

(Temp.reguration: 100°C to 300°C Steplessly)

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)
HW8930	D-10	450	10	600/110.200	280×180×610H	9.5
HW8940	D-10	550	10	600/110.200	280×180×710H	10
HW8950	D-10	750	10(15)	600/110.200	280×180×910H	13

Portable Electrode Dryer

Electrode Dryer & Oven

Portable Electrode Dryer



Portable Heat Retainable Dryer For 5kg Rod

H Tpye	H Tpye (110V)	H Tpye (220V)
Welder secondary side Both for AC and DC (Temp.reguration: 100°C to 400°C Steplessly)	100/110V	Single phase 200/220V

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)
HW8900	H-5	450	5	320/220	180Φ×600H	3.5
HW8910	H-5	550	5	320/220	180Φ×700H	4
HW8920	H-5	750	5	320/220	180Φ×900H	6



Portable Welding Rod Dryer For 5kg Rod

J Tpye	J Tpye (110V)	J Tpye (220V)
Welder secondary side for AC and DC	90/110V	Single phase 200/220V

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)
HW8730	J-5	450	5	50w-120w	190Φ×505H	3
HW8731	J-5	550	5	50w-120w	190Φ×605H	4



Portable Welding Rod Dryer For 10kg Rod

U Tpye	U Tpye (100V)	U Tpye (220V)
Welder secondary side for AC and DC	90/110V	Single phase 200/220V

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)
HW8720	U-10	450	10	500×380w-180w	170Φ×680H	4.6
HW8721	U-10	550	10	500×380w-180w	170Φ×780H	5.6



Portable Welding Rod Dryer For 10kg Rod

S Tpye (TRB-10-220V)	S Tpye (110V)	S Tpye (220V)
Welder secondary side for AC only (Temp.reguration: 100°C to 400°C Steplessly)	100/110V	Single phase 200/220V

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Power (W/V)	L×W×H (mm)	Weight (Kg)
HW8960	S-10 (TRB-10-220V)	450	10	1000/220	230Φ×635H	6
HW8970	S-10 (TRB-10-220V)	550	10	1000/220	230Φ×735H	7
HW8980	S-10 (TRB-10-220V)	750	10(20)	1200/220	230Φ×835H	11

Portable Electrode Dryer



Portable Welding Rod Dryer For 5kg Rod

D Tpye

Welder secondary side
Both for AC and DC

D Tpye (110V)

90/110V

D Tpye (220V)

Single phase 200/220V

Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Capacity (W/V)	L×W×H (mm)	Weight (Kg)
HW8710	D-5	450	5	500×380w-180w	1700×615H	3
HW8711	D-5	550	5	500×380w-180w	1700×715H	4



Portable Welding Rod Dryer For 5kg Rod

D Tpye

Welder secondary side for AC and DC
(Temp.reguration: 50°C to 200°C Steplessly)



Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Capacity (W/V)	L×W×H (mm)	Weight (Kg)
HW8714	D-5B	450	5	70-180	2700×580H	3.4
HW8718	D-10B	450	10	150-380	3100×600H	6



Portable Heat Retainable Dryer For 5kg Rod

D Tpye

Single phase 200/220V
(Temp.reguration: 50°C to 200°C Steplessly)



Order NO.	Model NO.	Rod Length (mm)	Capability (Kg)	Capacity (W/V)	L×W×H (mm)	Weight (Kg)
HW8715	D-5H	450	5	500	2700×580H	3.5
HW8713	D-10H	450	10	500	3100×600H	6



ZRB-10 Flex Rod Dryer

Order NO.	Model NO.	Capability (Kg)	Φ×Over All Height (mm)	Weight (Kg)
HW8990	ZRB-10	10	225×230×530H	5.2
HW8991	ZRB-20	20	285×300×560H	8.6

Automatic Control Far-infrared Electrode Oven



ZYH-10W



ZYH-10K



ZYH-10



ZYH-20

ZYHC-20



ZYH-30

ZYHC-30

Automatic Control Far-infrared Electrode Oven

- ▶ Inner housing; stainless steel good for erosion resistance.
- ▶ Heating by radiant heater of far-infrared
- ▶ Heating evenly with high efficiency and less heat consumption.
- ▶ Temperature by automatic accurate control and timing alarming.
- ▶ This oven is mainly 1br rod's dehydrating and drying to extreme extent.
- ▶ Widely used in electricity power, mechanism, metallurgy, chemical, boiler and other construction projects.

Order NO.	Model NO.	Supply Voltage (V/HZ)	Power (KVA)	Max. Temperature °C	Capability (Kg)	Temperature Homogeneity	Electrode Length (mm)	L×W×H (cm)	Weight (Kg)	Remarks
HW2201	ZYH-10W	AC220/50	0.8	400	10	±15°C	450	66×30×42	20	The portable
HW2202	ZYH-10K	AC220/50	1	400	10	±15°C	450	38×45×70	25	The portable
HW2203	ZYH-10	AC220/50	1	500	10	±15°C	450	42×74×74	56	
HW2204	ZYH-20	AC220/50	1.6	500	20	±15°C	450	42×74×87	68	
HW2205	ZYHC-20	AC220/50	2.1	500	20	±15°C	450	42×74×115	107	With storage box
HW2206	ZYH-30	AC220/50	2.6	500	30	±15°C	450	54×76×104	92	
HW2207	ZYHC-30	AC220/50	3.1	500	30	±15°C	450	54×76×134	125	With storage box
HW2208	ZYH-40	AC220/50	2.6	500	40	±15°C	450	59×76×104	102	
HW2209	ZYHC-40	AC220/50	3.1	500	40	±15°C	450	59×76×135	132	With storage box

Automatic Control Far-infrared Electrode Oven



ZYH-60

ZYHC-60



ZYH-100

ZYHC-100



ZYHC-150



ZYHC-200

Automatic Control Far-infrared Electrode Oven

- ◀ Inner housing;stainless steel good for erosion resistance.
- ◀ Heating by radiant heater of far-infrared.
- ◀ Heating evenly with high efficiency and less heat consumption.
- ◀ Temperature by automatic accurate control and timing alarming.
- ◀ This oven is mainly for rod's dehydrating and drying to extreme extent.
- ◀ Widely used in electricity, power, mechanism, metallurgy, chemical, boiler and other construction projects

Order NO.	Model NO.	Supply Voltage (V/Hz)	Power (KVA)	Max. Temperature (°C)	Capability (Kg)	Temperature Homogeneity	Electrode Length (mm)	L×W×H (cm)	Weight (Kg)	Remarks
HW2210	ZYH-50	AC220/50	2.6	500	50	±15 °C	450	59×76×104	102	
HW2211	ZYHC-50	AC220/50	3.1	500	50	±15 °C	450	59×76×135	132	With storage box
HW2212	ZYH-60	AC220/50	4.6	500	60	±15 °C	450	64×76×104	122	
HW2213	ZYHC-60	AC220/50	5.1	500	60	±15 °C	450	64×76×135	160	With storage box
HW2214	ZYH-100	AC220/50	5.2	500	100	±15 °C	450	64×76×120	145	
HW2215	ZYHC-100	Three-phase AC380/50	7.3	500	100	±15 °C	450	105×78×132	260	With storage box
HW2216	ZYHC-150	Three-phase AC380/50	8.6	500	150	±15 °C	450	117×78×132	280	With storage box
HW2217	ZYHC-200	Three-phase AC380/50	11.9	500	200	±15 °C	450	132×78×143	330	With storage box

Self-Controlled Flux Drying Machine



YJJ Suction Self-Controlled Flux Drying Machine

Its features including automatic material feeding and dust eliminating. the inner housing adopts stainless steel plate, the heating unit is composed of stainless steel electric heating components in tube state, which can let the flux to be heated evenly to most ideal drying extent.

Order NO.	Model NO.	L×W×H (cm)	Available flux Capacity (Kg)	Power (KVA)	Supply Voltage (V/HZ)	Maximum working temperature °C	Heating Speed °C / H	Insulation Time H	Suction Speed KG/H	After drying the water content%
HW2301	YJJ-A-100	1370×585×1620	100	6	Three-phase AC380/50	450	200	0-10	180	0.06
HW2302	YJJ-A-200	1470×670×1720	200	7.5						
HW2303	YJJ-A-300	1470×670×1920	300	11.1						
HW2304	YJJ-A-500	1570×670×2120	500	19.5						



XZYH Rotary Self-Controlled Far-infrared Flux Drying Machine

Drying by radiant heater of far-infrared; Temperature control alarming accutomatically; By circumrotating, flux can be heated evenly to an ideal doing efficiency.

Order NO.	Model NO.	L×W×H (cm)	Flux can be installed capacity (Kg)	Power (KVA)	Rotating speed of drum (Round/min)	Supply Voltage (V/HZ)	Maximum working temperature °C	Holding time adjustment range H
HW2305	XZYH-60	1450×510×1250	60	5.6	6	Three-phase AC380/50	400	0-10
HW2306	XZYH-100	1520×610×1320	100	7.2	6			
HW2307	XZYH-200	1860×650×1600	200	11.1	2.7			
HW2308	XZYH-300	2000×860×1620	300	13.5	2.7			



100L/200L Automatic Far-infrared Flux Dryer

This machine uses the far-infrared to ensure heating with high efficiency and less heat consumption. Additionally, the temperature can be control by an automatic controller and timing alarm.

Order NO.	Model NO.	Voltage	Dimensions (mm)	Flux can be installed capacity (Kg)	Power (mm)	Heating temperature (°C)	Holding time (min)
HW2400	100L	220V/50Hz	630×530×1155	100Kg	3KW	400	0~10
HW2401	200L	220V/50Hz	730×600×1200	200Kg	3KW	400	0~10



HHJ-50 Flux Recovery Machine

This machine can automatically reclaim flux after submerged arc welding, and also can reclaim the flux by hang, or fix the absorbing hose to the submerged arc welding machine to reclaim the flux while the machine is working.

Order NO.	Model NO.	Supply Voltage (V/HZ)	Power (KVA)	Recycling capacity (Kg)	Recycling tube length (m)	Dimensions (mm)	Weight (Kg)
HW2630	HHJ-50	Three-phase AC380/50	1.5	50	3.5	900×500×1250	110

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PRODUCT CATALOG



SHANGHAI HUAWEI WELDING & CUTTING MACHINE CO.,LTD.

Add: 201 Chungui Rd. Xingta industry zone, Anting town, Jiading district, Shanghai

Tel: +86 21 69591999 69597773

Fax: +86 21 69597771 P.C: 201804

E-mail: info@huawei.sh.cn

www.huawei.sh.cn

General agent

The machine pictures are for your visual reference, may have trivial difference from the actual machines.