

**FoShan QuanJiu Industry Automation Co., Ltd**

**XLC Machinery Factory (20 years)**

**Professional Metal Wire Processing Machinery Manufacturer!**

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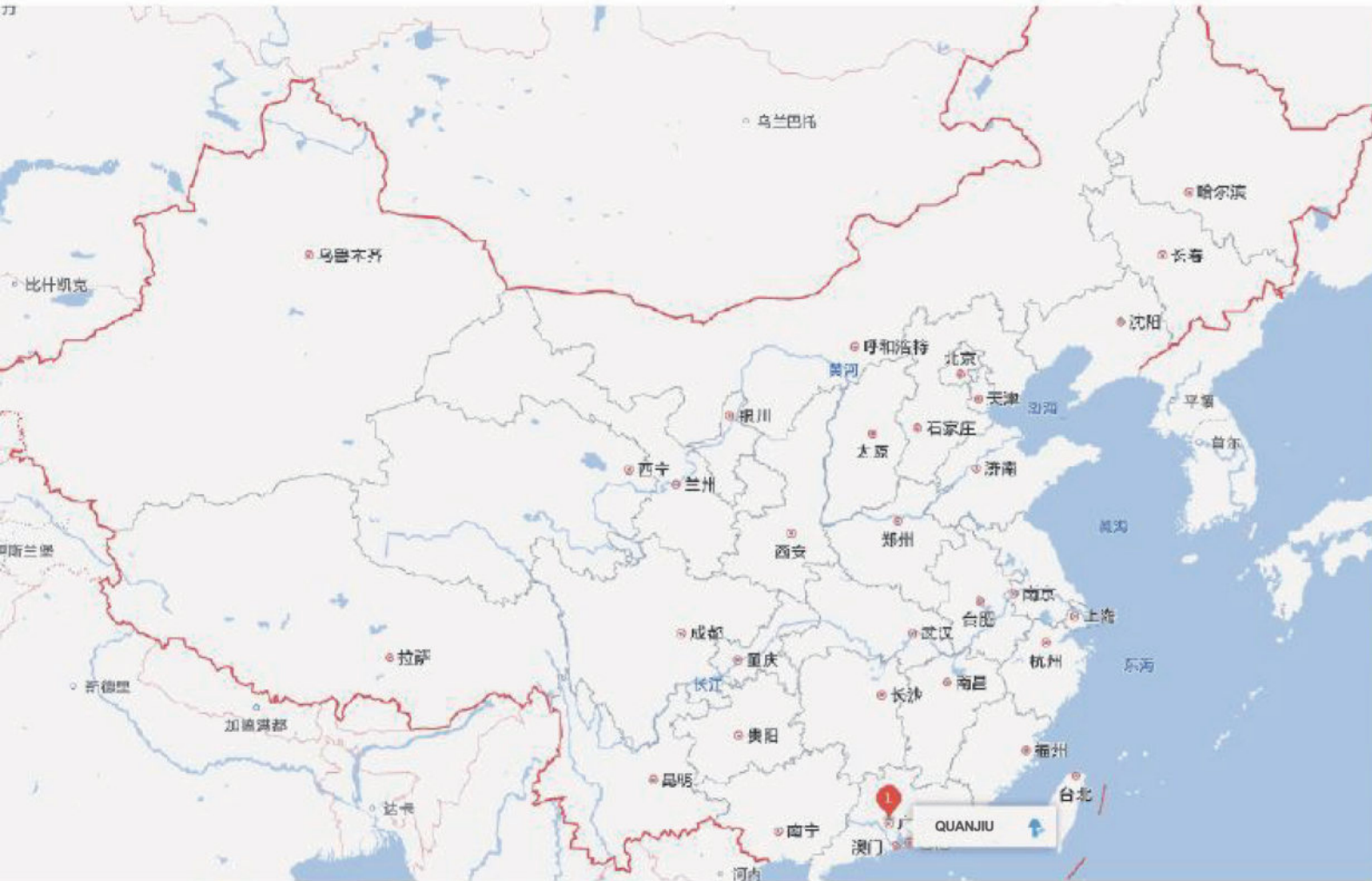
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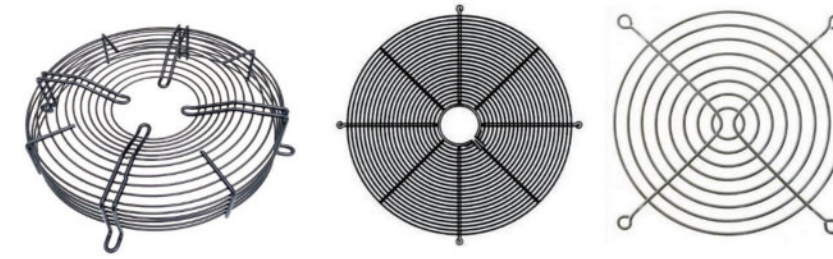
**20年**

**专注机械设备生产研发**  
RESEARCH DEVELOPMENT





# FAN COVERS WIRE MAKING MACHINE



## INDUSTRIAL FAN COVERS MAKING MACHINES

<p><b>BRICKET MAKING MACHINE</b></p>	 <p>ELIPS MAKING and WELDING MACHINE</p>	 <p>3DCNC WIRE BENDING MACHINE With PLATE</p>	 <p>2D CNC FLAT WIRE BENDING MACHINE</p>
<p><b>RING MAKING MACHINE and WIRE STRAIGHTENING and CUTTING MACHINE</b></p>	 <p>RING MAKING MACHINE</p>	 <p>WELDED RING MAKING MACHINE</p>	 <p>WIRE STRAIGHTENING and CUTTING MACHINE</p>
<p><b>SINGLE and DOUBLE WINDING MACHINES - SPIRAL LOOPING FOR FLAT AND CAMBERED MODELS</b></p>	 <p>DOUBLE STATION HUMPED AND FLAT MODELS</p>	 <p>DOUBLE STATION FLAT MODELS</p>	 <p>SINGLE STATION LOOPING MACHINE</p>
<p><b>COMPLEMENTARY MACHINES</b></p>	 <p>PINOMATIC BUTT WELDING MACHINES</p>	 <p>TRIMMING MACHINE</p>	 <p>ROBOTIC SOLUTIONS</p>
<p><b>SPIRAL LOOPING MACHINE</b></p>	 <p>SPIRAL LOOPING MACHINE</p>	 <p>RIVET MACHINE</p>	 <p>PACKAGING SOLUTIONS</p>



**Basic information for custom made:**

- 1.Round wire required: 1) Wire material; 2) Wire Diameter; 3) Product Size/ picture/ drawing;
- 2.Flat/ Sheet required: 1) Wire material; 2) Wire thickness/ width/ length; 3) Product Size/ picture/ drawing;

**Customize Machine Series:**

**1. Basket/ Shelf/ Cage Manufacturing:**

- 1)2D CNC Wire Bending Machine with Butt Welding – 2) XY Axis Welding Machine – 3) Oil Pressing Machine
- 4) Row Welding Machine – 5) Trimming Machine

**Extra machine for cage:** 1) Inner Ring Welding Machine; 2) Middle Ring Welding Machine

**2. Skimmer Manufacturing:**

- 1)Automatic Spiral Wire Filling Machine – 2) Automatic Ross Wire Welding Machine – 3) Automatic Spiral Wire Welding Machine
- 4)2D CNC Wire Bending Machine – 5) Handle Assembling Welding Machine – 6) Automatic Servo Wire Ring Making Machine with TIG Butt Welding
- 7) Oil Pressing Machine – 8) Pneumatic Spot Welding Machine

**3.Furnace Frame Manufacturing:**

- 1)Flat Ring Making Machine – 2) Flat Ring Butt Welding Machine – 3) Furnace Ear Making Machine– 4) Position Spot Welding Machine



# 线材成型设备

## WIRE MOLDING EQUIPMENT



3D head rotating machine  
转头 3D 机



### Details 细节展示



## 3D CNC Head Rotating Wire Bending Machine

### Features and Functions

- The wire feeding roller is driven by precision servo motor, with professional wire bending machine computer system to control the drive implementation of each forming. The servo motor rise and fall curve and rotating speed can be changed according to needs to eliminate the mechanical transmission and ensure the actual transmission iron length in consistent with the theoretical calculation length.
- In planning calculation, each MM length has been divided into 10 sections of impulse to further ensure that the length accuracy of the setting. The wire feeding accuracy can be controlled at 300±10um.
- Adjustable servo cutting can ensure the tidiness of the circle cut. The cutting time and retract time can be directly modified on the text display.
- The button has manual slow feed, slow back material function with easy operation and less material loss.
- External torsion bending can be lifted or lowered separately.  
Advantage: the internal torsion can not rise and fall during processing. The external torsion can rise and fall singly with left and right processing. There is no need for the wire to exit the bending groove. The internal torsion can do double layer bending cottong or bending nail. It will be faster and more stable.

- The whole rotating head can be shifted on left and right.  
Advantages: Internal torsion can be eccentric processing, can process torsional spring, etc. More R angle are available and more flexible. Require to pass through the straight line mechanism for 2 times. Make sire more stable. When processing long spare parts, the wire feeding box moves back to have more space. When processing short products, move forward to bend products faster and more stable.
- The cutter can move back and forth.  
Advantages: The cutter can move back and forth when processing short products, it will be faster and more stable. When processing long products, move back to make more space so that the product will no touch the cutter.
- The wire can be rotated for 360° without limitation.  
Advantages: External motor will not pull the motor and inductor line. It's more convenient to make the wire rotating angle more than 360° for complex products. More quick and convenient for machine adjustment.
- Adopt a new type of computer. Advantages: Easier to operate, more convenient and faster.
- The wire feeding motor is fixed on the bottom base to reduce the weight of the wire feeding box and make the wire turn faster and lighter, and the corner is more accurate and stable. The steering head is designed in copper pipe transport to be more stable and stronger than bearing transfer.

3D CNC Head Rotating Wire Bending Machine		
Model No.	ZT3D 3-8	ZT3D 3-10
Wire diameter range	Soft iron wire: $\phi$ 3.0mm- $\phi$ 8mm Hard iron wire: $\phi$ 3.0mm- $\phi$ 6.0mm	Soft iron wire: $\phi$ 3.0mm- $\phi$ 10.0mm Hard iron wire: $\phi$ 3.0mm- $\phi$ 8.0mm
CNC fixed axles	5 axles (Janapanes Sanyo servo motor)	6 axles(Janapanes Sanyo servo motor)
Inflexion length	750mm	750mm
Wire feeding group	3 Group	3 Group
Wire rotating angle	0° -300°	0° -300°
Max wire feeding speed (m/min)	100m	60m
Wire feeding servo motor	2. 7KW	4. 5KW
Head rotating servo motor	2. 7KW	2. 7KW
Bevel servo motor	1. 0KW	2. 0KW
Lifting servo motor	1. 5KW	2. 0KW
Intorsion servo motor	/	2. 0KW
Cutter servo motor	1. 0KW	1. 0KW
Total power (KW)	8. 9KW	14. 2KW
Control system	Taiwan Yitu/ Yaqi	Taiwan Yitu/ Yaqi
Power Supply	380V (Can be customized)	380V (Can be customized)
Internal voltage in the machine	220V	220V
Wire feeding precision (mm)	±0.2	±0.2
Program storing quantities	10000	10000
Language	Chinese/ English	Chinese/ English
Power Supply	3. 8KW	3. 8KW
380v-220v Transformer electric capacity (KVA)	30 KVA	30 KVA
Machine weight (kgs)	1900KG	1800KG
Machine dimension (L*W*H)	2600mm*1400mm*1600mm	3100mm*1500mm*1650mm
Auto decoiler max bearing weight (kgs)	500KG	1000KG
Auto decoiler round plate diameter	1200mm	1600mm
Auto decoiler weight (kgs)	500KG	800KG
Auto decoiler dimension	1200mm*1200mm*1600mm	1800mm*1800mm*1600mm
Wire straightening wheels	18 pcs	18 pcs
Screw guide	WIHIN	WIHIN
Control system composition	Control screen	Control screen
	System control board	System control board
	Programming format	Programming format
	CNC wire forming dedicated system	CNC wire forming dedicated system
1. Common decoiler : without power;		2. Auto decoiler : Can adjust speed and rotate automatically



### 3D CNC Wire Rotating Wire Bending Machine

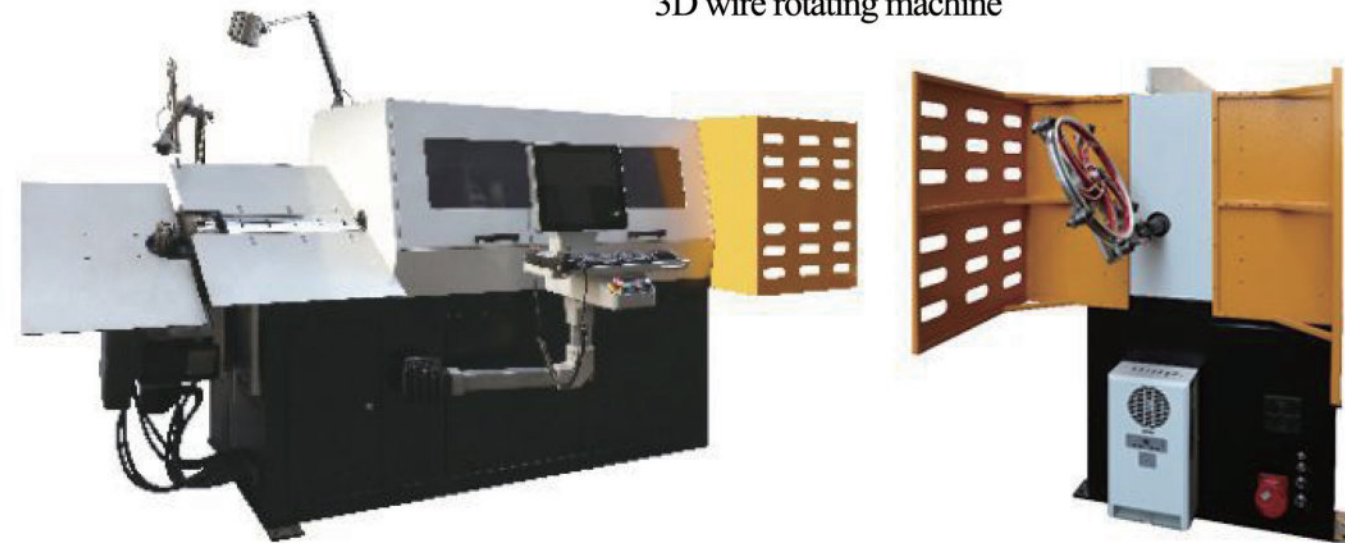
#### Features and Functions

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- In planning calculation, each MM length has been divided into 10 sections of impulse to further ensure that the length accuracy of the setting. The wire feeding accuracy can be controlled at 300±10um.
- Adjustable servo cutting can ensure the tidiness of the circle cut. The cutting time and retract time can be directly modified on the text display.
- The button has manual slow feed, slow back material function with easy operation and less material loss.
- External torsion bending can be lifted or lowered separately.  
Advantage: the internal torsion can not rise and fall during processing. The external torsion can rise and fall singly with left and right processing. There is no need for the wire to exit the bending groove. The internal torsion can do double layer bending cottoning or bending nail. It will be faster and more stable.

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- The wire can be rotated for 360° without limitation.  
Advantages: External motor will not pull the motor and inductor line. It's more convenient to make the wire rotating angle more than 360° for complex products. More quick and convenient for machine adjustment.
- Adopt a new type of computer. Advantages: Easier to operate, more convenient and faster.
- The wire feeding motor is fixed on the bottom base to reduce the weight of the wire feeding box and make the wire turn faster and lighter, and the corner is more accurate and stable. The steering head is designed in copper pipe transport to be more stable and stronger than bearing transfer.



转线 3D 机  
3D wire rotating machine



#### Details 细节展示



3D CNC Wire Rotating Wire Bending Machine Specification		
Model No.	ZX3D 3-8	ZX3D 3-10
Wire diameter range	Soft iron wire: $\phi$ 3.0mm- $\phi$ 8mm Hard iron wire: $\phi$ 3.0mm- $\phi$ 6.0mm	Soft iron wire: $\phi$ 3.0mm- $\phi$ 10.0mm Hard iron wire: $\phi$ 3.0mm- $\phi$ 8.0mm
CNC fixed axles	8 axles (Janapanes Sanyo servo motor)	9 axles(Janapanes Sanyo servo motor)
Inflexion length	750mm	750mm
Wire feeding group	3 Group	3 Group
Wire rotating angle	0°- unlimit	0°-unlimit
Lifting height	From +50 to -170mm	From +25mm to -120mm
Rotating head lifting height	From +20mm to -100mm	From +25mm to -180mm
Outer torsion lifting height	From +20mm to -55mm	From +20mm to -55mm
Left and right moving range	Left:80mm Right:40mm	Left: 100mm Right: 60mm
Whole wire feeding front and back moving	Front: 300mm back:100mm	Front: 300mm Back:100mm
Outer torsion servo motor power	2.0KW	2.7KW
Platform lifting servo motor	1.0KW	1.5KW
Left and right moving ( 7 axles without this function)	2.0KW	2.0KW
Front and back moving ( 7 axles and 8 axles without this function)	/	4.5KW
Intorsion	2.0KW	2.7KW
Whole lifting	2.0KW	2.0KW
Wire feeding	4.5KW	5.5KW
Wire rotating	2.7KW	2.7KW
Cutter	2.0KW	2.0KW
Total power (KW)	18.2KW	25.6KW
Max wire feeding speed (m/min)	40m	40m
Wire feeding precision (mm)	±0.2	±0.2
Program storing quantities	10000	10000
Language	Chinese/ English	Chinese/ English
Power Supply	380V (Can be customized)	380V (Can be customized)
Internal voltage in the machine	220V	220V
Auto decoiler motor power (kw)	3.8KW	3.8KW
380v-220v Transformer electric capacity	30 KVA	30 KVA
Machine weight (kgs)	1700KG	2000KG
Machine dimension (L*W*H)	3300mm*1600mm*1950mm	3500mm*1700mm*1400mm
Max bearing weight of auto decoiler(kgs)	500KG	1000KG
Round plate diameter of auto decoiler	1200mm	1600mm
Auto decoiler weight (kgs)	530KG	800KG
Auto decoiler dimension	1200mm*1200mm*1600mm	1800mm*1600mm*1600mm
Wire straightening wheels	18 pcs	18 pcs
Screw guide	WIHIN	WIHIN
Control system composition	Control screen	Control screen
	System control board	System control board
	Programming format	Programming format
	CNC wire forming dedicated system	CNC wire forming dedicated system

1. Common decoiler : without power; 2. Auto decoiler : Can adjust speed and rotate automatically



# 弯线设备 2D CNC Wire Bending Machine



伺服切弯线机

2D CNC servo wire bending machine

Chamfering Function	Chamfering motor power: 1.5KW
	Function: Lifting, rotating and chamfering
	Separate start and stop operation
	Chamfering range: Adjust the chamfering knife position to realize chamfering effect.



伺服切倒角弯线机

2D CNC Servo Wire Bending Machine with Chamfering

## 细节展示 Details



### Advantage:

The machine has the function of wire straightening, wire cutting and wire bending without interference for one-time forming to make higher efficiency about 4-5 times comparing to traditional machines. Design philosophy: Replace human labors with machines. Make production directly without straightening material and opening mould. When your products are 2D products, our machines can meet your requirements for different shapes.

**Application:** Available for iron wire, steel wire, stainless steel wire and other non-ferrous metal wires with round, square or flat for 2D product irregular shapes such as square, round, hexagon, oval and other buckles and various hooks, etc.

It is mainly designed for car seat frame, sunshade frame, square snake spring, special-shaped spring, pet cage breeding cage, bicycle net basket, motorcycle accessories, garden flower rack, wire crafts, wire bathroom kitchen products and various wire forming products. Have higher processing capacity, higher processing speed and precision.

### Features:

1. Adopt servo motor feeding, servo cutting and servo forming. Use PLC computer control system to control the working time of each servo motor.
2. The controller is operated by touch screen. It has automatic bending, Chinese and English display, simple and intuitive programming. The system has the function of multiple parameter settings. It is more convenient for parameter change maintenance.
3. The servo system adopts high precision, high torque, high speed to make sure the production capacity.
4. Set a certain quantities on the interface. When the setting quantities are reached, the machine will alarm, but it will not stop working. It will start next counting.
5. The machine has emergency stop and alarm function. For example, the machine cannot feed due to some issues, it will stop automatically and give an alarm.

## 2D CNC wire bending machine Specifications:

Machine Model	2.5-6mm	3-8mm	4-10mm or 4-12mm	
Power Supply	3Phases 4 wires+ground wire, 380V, 50HZ	3Phases 4 wires+ground wire, 380V, 50HZ	3Phases 4 wires+ground wire, 380V, 50HZ	
Wire Straightening Wheel Quantity	22 groups (made by Cr12 with national standard)	22 groups (made by Cr12 with national standard)	28 groups (made by Cr12 with national standard)	
Bending Mould	Made of SKD11/51 with hardness 62°	Made of SKD11/51 with hardness 62°	Made of SKD11/51 with hardness 62°	
Wire Feeding Roller No.	3 groups (made of Cr12, fine polishing heat treat hardness reaches 58°, with high wear resistance )	3 groups (made of Cr12, fine polishing heat treat hardness reaches 58°, with high wear resistance )	3 groups (made of Cr12, fine polishing heat treat hardness reaches 58°, with high wear resistance )	
Servo Motor Capacity	6.3KW servo motor(3.8KW for wire feeding, 1.5KW for bending, 1KW for cutting)	6.3KW servo motor(3.8KW for wire feeding, 1.5KW for bending, 1KW for cutting)	6.3KW servo motor(3.8KW for wire feeding, 3.8KW for bending, 3.8KW for cutting)	
Cutter Suitable Strength	Iron wire diameter 6mm	Iron wire diameter 8mm	Iron wire diameter 10mm or 12mm	
Suitable Wire Material	Round wire, flat wire, square wire and other related metal wire	Round wire, flat wire, square wire and other related metal wire	Round wire, flat wire, square wire and other related metal wire	
Suitable wire range	Standard iron wire 2.5-6mm	Standard iron wire 3-8mm	Standard iron wire 4-12mm	
Wire Feeding Length	no limit	no limit	no limit	
Data Storage No.	10000 groups of data, each group has 300pcs of actions			
Wire Feeding Speed	Max 100m/min	Max 100m/min	Max 27m/min	
Maximum Bending Speed	300 r/min, Angle ±180°	300 r/min, Angle ±180°	50 r/min, Angle ±180°	
Action Direction	Inner Mold: move lower and upper, Outer mold: move lower and upper. Directions are 360° clockwise and counterclockwise.			
Production Speed	20-25pcs/min(take square 200*200mm as an example)	20-25pcs/min(take square 200*200mm as an example)	8-10pcs/min(take square 200*200mm as an example)	
Bending Precision	±0.5mm	±0.5mm	±0.5mm	
Wire Feeding Precision	±0.5mm	±0.5mm	±0.5mm	
Machine polywood packaging dimension	L2440*W1000*H1870mm	L2440*W1000*H1870mm	L3150*W1000*H1900mm	
Machine Weight	850kgs	850kgs	1100kgs	
Pneumatic System	Cylinder	3 Group	3 Group	
	Magnetic Valve	3 Group	3 Group	
Servo System	Language	English/ Chinese with download and upload cuntion		
	Max Bending	400N.M	400N.M	650N.M
	Control Screen	Touch screen + button		
	Control Mode	32 bits high performance processor		
Mechanical Functions	1) This machine's mechanical actions are controlled by programs in computer to realize bending action and bending speed and form different shapes and sizes according to the instruction.			
	2) Automatic wire feeding, straightening and cutting, and bending and forming.			
	3) Each shape is realized by group settings of maximum 300pcs of actions.			



# 弯框对焊机设备

## 2D CNC Wire Bending Machine with Butt Welding



定制抓手伺服切弯线机 4-10

Customized Clamp Servo Cutting Wire Bending Machine 4-10mm



弯框对焊一体机

2D CNC Wire Bending Machine with Pneumatic Butt Welding



中频弯框对焊一体机 4-10

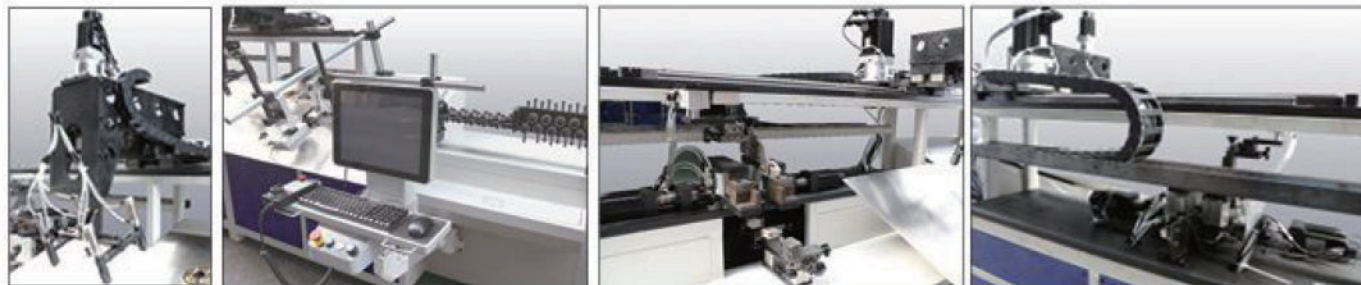
2D CNC Wire Bending Machine with Intermediate Frequency Butt Welding 4-10mm



氩弧弯框对焊一体机

2D CNC Wire Bending Machine with TIG Butt Welding

### 细节展示 Details



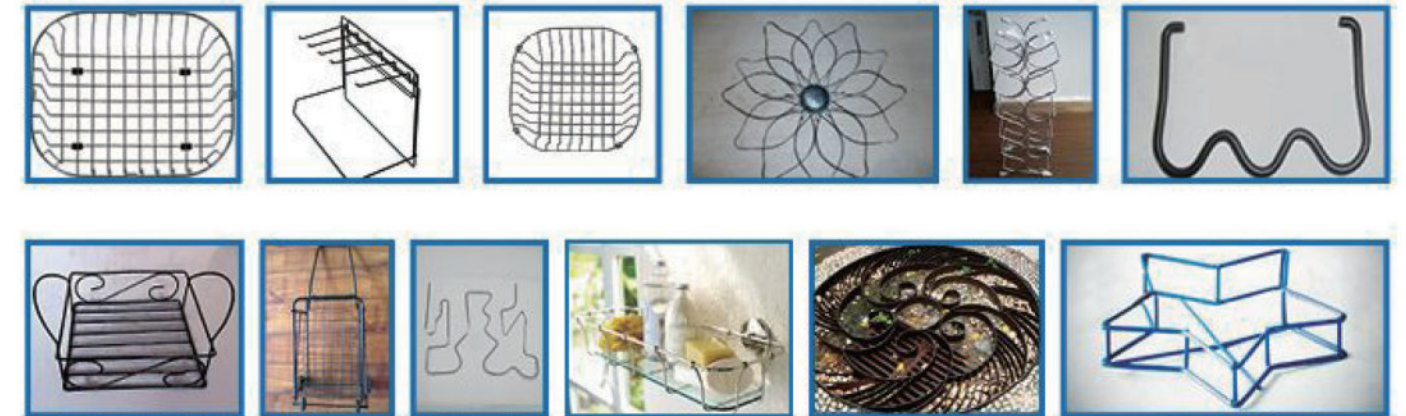
### Features:

1. Adopt the numerical control interface. Easy to operate, easy to adjust. Have high bending and butt welding accuracy with smooth welding joints and high efficiency. High working accuracy and repeated positioning accuracy and good anti-eccentric load performance.
  2. Be stable and professional in structure. Improve the welding yield rate. Have compact structure, small volume, reasonable layout, low noise, beautiful appearance, advanced control technology, stable movement performance and fast production speed. The product has higher accuracy. It can realize power saving, high yield and low cost in production.
  3. It is not only used for making square frames, but also can be used for forming and welding regular plane shapes, such as fan, oval, and trapezoid. It has high efficiency, good flatness, precise welding alignment and easy to use and greatly save manpower.
  4. Adopt PLC control and integrate straightening, bending, cutting and butt welding integrated automatically. The whole process does not require manual operation and can complete production quickly, accurately and reliably.
- Wide application range and convenient operation. The welding part uses resistance welding with smooth and firm welding joint. Small smoke and dust occurs during welding. Pollution-free to comply with environmental protection regulations. Fully automatic production solves the issue of staff shortage.
5. It is widely used in metal mesh, chopstick cage, handicrafts, dust removal skeleton (environmental protection bag cage), hardware kitchen utensils, bathroom, mop and other industries, etc.

### Specification:

Model/ wire diameter	2.5-6mm	3-8mm	4-10mm or 4-12mm (12 will be slower according to the current situation)
Pneumatic butt belding	2 sets of manipulator clamps	2 sets of manipulator clamps	2 sets of manipulator clamps
	40KW welding transformer	63KW welding transformer	80KW welding transformer (to be determined)
	Horizontal travel stroke 1000mm	Horizontal travel stroke 1000mm	Horizontal travel stroke 1000mm
	Longitudinal travel stroke 100mm	Longitudinal travel stroke 100mm	Longitudinal travel stroke 100mm
Intermediate frequency butt welding	2 sets of manipulator clamps	2 sets of manipulator clamps	2 sets of manipulator clamps
	Intermediate frequency 80	Intermediate frequency 120	Intermediate frequency 180 (undetermined)
	Horizontal travel stroke 1000mm	Horizontal travel stroke 1000mm	Horizontal travel stroke 1000mm
	Longitudinal travel stroke 100mm	Longitudinal travel stroke 100mm	Longitudinal travel stroke 100mm
TIG butt welding	2 sets of manipulator clamps	2 sets of manipulator clamps	2 sets of manipulator clamps
	400A*2	400A*2	400A*3
	Horizontal travel stroke 1000mm	Horizontal travel stroke 1000mm	Horizontal travel stroke 1000mm
	Longitudinal travel stroke 100mm	Longitudinal travel stroke 100mm	Longitudinal travel stroke 100mm
Gripper moving distance 500mm	Gripper moving distance 500mm	Gripper moving distance 500mm	

### Application:



### 细节展示 Details



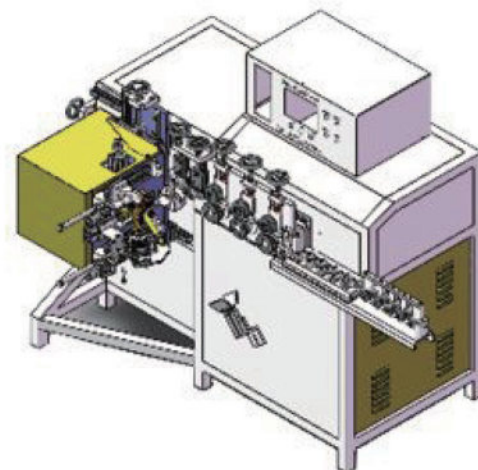


# 打圈对焊机设备

## Wire Ring Making Machine with Butt Welding



打圈对焊一体机  
Ordinary Resistance Welding



两枪 / 三枪打圈对焊一体机  
2 or 3 Gun TIG Welding



Intermediate Frequency Welding  
中频打圈对焊一体机



Customized Machine  
定制打圈对焊一体机

### 细节展示 Details



The automatic ring making and butt welding machine mainly completes a series of processes of manual butt welding after the traditional wire is circled with one device, and the butt welding is performed directly after the circle is completed, in one step. It can be fast, slow, reverse feeding, and avoid waste, which can greatly save labor, save production costs, and improve production efficiency. The two ends of the steel wire are welded and aligned accurately, and the production efficiency is high, one person can manage and operate multiple circle welding all-in-one machines for production at the same time, and the cost performance is very high.

**Features: Welding includes: ordinary resistance welding, intermediate frequency welding, 2 or 3 Gun TIG welding.**

1. The circular welding machine adopts hydraulic tangent, which has strong power, stable performance, high precision, compact structure and small volume; reasonable layout and low noise; exquisite workmanship and beautiful appearance.
2. The control system of this machine adopts the special controller for the circle machine, which has accurate counting, stable performance, strong high-quality resistance, long service life, fast production speed, accurate product size and high precision; it has the function of forward and reverse rotation; it is easy to operate and save electricity, high yield and low production cost.
3. In terms of welding, the automatic circular butt welding machine adopts resistance butt welding, the welding part is smooth and flat, and the burr is small, which is very beneficial for the production of handicrafts.
4. The wire feeding wheel, straightening wheel, forming wheel, etc. of the circular welding integrated machine are made of high-quality alloys, and after vacuum heat treatment, they have high wear resistance and long service life.

Model No.	2-6	3-8	8-10	2-6 Three Gun TIG butt welding
Wire diameter range	2mm-6mm (MS wire)	3mm-8mm (MS wire)	8mm-10mm (MS wire)	2mm-6mm (MS wire)
Ring range	For MS wire material, ring 25~550mm: 1)Wire $\Phi \geq 3$ mm, ring $\Phi$ : 400mm-550mm; 2)Wire $\Phi = 2$ mm, $\Phi$ : 80-300mm; 3)Wire $\Phi = 3$ mm, ring $\Phi$ : max 400mm; 4)Wire $\Phi = 4$ mm, $\Phi$ : max 500mm; 5)Wire $\Phi$ : 5mm - 8mm, ring $\Phi$ : max 600mm	For MS wire material, ring $\Phi$ : 30~600mm: 1)Wire $\Phi \geq 3$ mm, ring $\Phi \geq 600$ mm; 2)Wire $\Phi = 2$ mm, ring $\Phi$ : 80-300mm; 3)Wire $\Phi = 3$ mm, ring $\Phi$ : max 400mm; 4)Wire $\Phi = 4$ mm, ring $\Phi$ : max 500mm; 5)Wire $\Phi$ : 5mm - 8mm, ring $\Phi$ : max 600mm 6)Wire $\Phi$ : 7mm - 8mm, ring $\Phi$ : max 700mm (customized)	100mm-500mm	80mm-550mm
Available Wire Material	MS wire/ SS wire/ Galvanized wire	MS wire/ SS wire/ Galvanized wire	MS wire/ SS wire/ Galvanized wire	MS wire/ SS wire/ Galvanized wire
Servo wire feeding motor	2.6KW/r 3000 (Chinese brand)	3.8KW/r 3000 (Chinese brand)	3.8KW/r 3000 (Chinese brand)	2.6KW/r 3000 (Chinese brand)
Hydraulic motor	2.2KW (Chinese brand)	2.2KW (Chinese brand)	4KW (Chinese brand)	2.2KW (Chinese brand)
Wire feeding speed	35m/min	35m/min	22m/min	35m/min
Productivity	10pcs-20pcs per min (Take diameter 80mm as example, the speed is as slow as the diameter is big.)	15pcs-18pcs per min (Take diameter 80mm as example, the speed is as slow as the diameter is big.)	15pcs-18pcs per min (Take diameter 80mm as example, the speed is as slow as the diameter is big.)	15pcs-18pcs per min (Take diameter 80mm as example, the speed is as slow as the diameter is big.)
Ring diameter tolerance	$\pm 0.5$ mm	$\pm 0.5$ mm	$\pm 0.5$ mm	$\pm 0.5$ mm
Perimeter tolerance	$\pm 0.2$ mm	$\pm 0.2$ mm	$\pm 0.2$ mm	$\pm 0.2$ mm
Ring plainness	$\leq 0.5$ mm	$\leq 0.5$ mm	$\leq 0.5$ mm	$\leq 0.5$ mm
Input power supply	380V	380V	380V	380V
Welding power	50KVA/ 80 Intermediate frequency	50KVA/ 80 Intermediate frequency	50KVA/ 80 Intermediate frequency	3 set of 300 TIG butt welding machine
Welder duty cycle	50%	50%	50%	/
Compressed air pressure	0.6MPa	0.6MPa	0.6MPa	0.6MPa
Cooling water flow	50L/min	50L/min	50L/min	/
Machine dimension(L*W*H)	1950*1450*1500mm	1950*1450*1500mm	2000*1500*1750mm	1950*1450*1500mm
Machine polywood dimension	L2320mm*W 1600mm*H1690mm	L2320mm*W 1600mm*H1690mm	L2320mm*W 1600mm*H1850mm	L2320mm*W 1600mm*H1690mm
Machine weight	800KG	800KG	1000KG	600KG
Decoiler	Common decoiler without power or Auto decoiler			



# 打圈机设备 Automatic Ring Making Machine



Hydraulic Ring Making Machine

打圈机

## Hydraulic Ring Making Machine:

**Feature: simple, stable, fast and accurate**

This machine brings together the advantages of Japan, Taiwan, Hong Kong and domestic products. It has compact structure, small volume, reasonable layout and low noise, beautiful appearance, advanced control technology, balanced operation performance, fast production speed, accurate product size and high precision. The function of forward and reverse rotation realizes the characteristics of power saving, high yield and low production cost.

1. High speed and high precision, the tolerance can reach below 0.5mm (imported encoder can be selected to improve the stable precision);
2. Adjustable cutter to hit straight line, arc, single circle, double circle and spring function;
3. The parameter setting is intuitive and the operation is simple and convenient;
4. Multiple function control modes: manual, automatic and test running functions;
5. Manual mode has fast forward/slow feed, fast reverse/slow return function options;
6. You can make circles according to the preset number, and automatically stop and alarm after completion;
7. Energy-saving control, start the main motor during running operation and automatically stop the main motor after three minutes of no running operation;
8. Power failure memory setting parameters, no need to set repeatedly.

## Servo Ring Making Machine

**Features: simple, stable, fast, accurate, clean**

This machine brings together the advantages of Japan, Taiwan, Hong Kong and domestic products. It has compact structure, small volume, reasonable layout, low noise, beautiful appearance, advanced control technology, balanced operation performance, fast production speed, accurate product size and high precision. The function of forward and reverse rotation realizes the characteristics of power saving, high yield and low production cost.

1. High speed and high precision, the tolerance can reach below 0.2mm (imported encoder can be selected to improve the stable precision);
2. Adjustable cutter to hit straight line, arc, single circle, double circle and spring function;
3. The parameter setting is intuitive and the operation is simple and convenient;
4. Multiple function control modes: manual, automatic and test running functions;
5. Manual mode has fast forward/slow feed, fast reverse/slow return function options;
6. You can make circles according to the preset number, and automatically stop and alarm after completion;
7. Energy-saving control, start the main motor during running operation, and automatically stop the main motor after three minutes of no running operation;
8. Power failure memory setting parameters, no need to set repeatedly.



Servo Ring Making Machine

伺服打圈机

## Application



## Automatic Ring Making Machine Specification

Model No.	2-6mm	2-8mm	2-10mm	6-14mm	8-16mm	Large 6 axis	Large 8 axis
Wire diameter range	Iron wire 2-6mm	Iron wire 2-8mm	Iron wire 2-10mm	Iron wire 4-13mm	Iron wire 5-16mm	Iron wire 8-18mm	Iron wire 8-20mm
Power supply	3Phase 380V	3Phase 380V	3Phase 380V	3Phase 380V	3Phase 380V	3Phase 380V	3Phase 380V
Number of wire feed wheels	2	2	3	4	5	6	8
Hydraulic motor power	1.5	2.2	4	5.5	7.5	11	18
Hydraulic motor flow	100ml/min	160ml/min	320ml/min	100ml/min	125ml/min	200ml/min	200ml/min
Cutter cylinder cutting force	63	63	80	80	100	HOB100	HOB125
Oil pressure range	0.3-0.4mpa	0.3-0.5mpa	0.3-0.6mpa	0.3-1mpa	0.3-1.2mpa	0.3-1.5mpa	0.3-1.5mpa
Hydraulic oil model	46#68#	46#68#	46#68#	46#68#	46#68#	46#68#	46#68#
Available Wire Material	Round/flat/square						
Machine polywood	1160*680*1450	1300*750*1450	1750*780*1450	1800*950*1550	1980*950*1550	2300*1500*1700	2700*1500*1700
Ring range	80-750	80-750	80-800	80-800	80-850	80-950	80-950
Hydraulic system	Pressure regulating valve	yes	yes	yes	yes	yes	yes
	pressure relief	no	no	1	1	2	2
	The	3	3	3	3	3	3
	pressure gauge	1	1	1	1	2	2
	oil circuit board	1	1	1	1	1	1
	cooling pump	no	no	yes	yes	yes	yes
computer system	wire feed motor	/	/	/	/	/	/
	stepper motor	/	/	/	/	/	/
	driver	/	/	/	/	/	/
	Control panel	1	1	1	1	1	1
	PLC	/	/	/	/	/	/
	check code	1000	1000	1000	1000	1000	1000
Mechanical behavior	The wire feeding data is read by the encoder, and the microcomputer controls the circumference of the wire to determine the size of the circle. The control is simple, and the production is automatically produced after inputting the output and the line speed.						
	The machine has manual automatic control, controlled slow feed and withdrawal (easy to debug the machine)						
	Can be programmed to modify different setting data						



# 调直机设备

## STRAIGHTENING MACHINE EQUIPMENT

### Automatic Wire Straightening and Cutting Machine

## 定切调直机

Fixed-cut Straightening and Cutting



### Details

#### 细节展示



### Performance:

The fixed-cut straightening and cutting machine is suitable for a wide range of wire diameters, with wire diameters ranging from 1.5mm to 3mm. It is suitable for all kinds of wire rods such as: iron, steel, stainless steel, copper, aluminum, and so on. The accuracy is plus or minus 0.5mm, the straightening efficiency is fast, the performance is stable, and the operation is simple. In the working state, the wire is not twisted. There is no back break. The incision is flat, and the surface is not scratched. The fixed-length cutting is more accurate, the straightening speed can be infinitely variable according to the toughness of the wire material, and the straightening speed is automatically tracked to automatically compensate for straightening loss and wear.

### Features:

1. Humanized operation, you can use it if you understand "123", the whole process adopts PLC program and numbers, and the Chinese display interface explains and guides, automatic feeding, automatic straightening, automatic cutting, automatic blanking, and smooth incision.
2. Electronic counter, no need for mechanical ruler gun.
3. Input the length and quantity at the same time, the computer stores the memory, and it is convenient to read and store.
4. Stable operation, adjustable speed operation, low failure rate, easy maintenance
5. During the operation of the equipment, the wear and tear of the straightening loss are automatically tracked and automatically compensated, so as to achieve the consistent high quality and high efficiency of the product.
6. The equipment has safety precaution detection electronic control system facilities and early warning, and Chinese display indication function. Corresponding alarms have their own response and processing prompts to increase operability.
7. The basic mode has a manual mode for the operator to debug the machine, and the automatic mode is suitable for multi-functional modes such as mass production by workers.
8. Power-off memory function, no need to return the wire when starting up
9. Smart correction bar length (computer recognizes whether to correct or not)
10. It is easy to operate, easy to use and safe, easy to learn and understand, and it can be used immediately.
11. Low dry noise, stepless speed regulation, straightening and cutting according to the toughness of each wire material; compact structure, stable operation and easy maintenance.
12. The device has a comprehensive stainless steel structure and is small in size. It occupies less space and is easy to disassemble and assemble.

### Fixed-cut Wire Straightening and Cutting Machine Specification

Model and wire diameter	Φ1.5-3mm
Applicable wire	Steel wire/ spring steel wire/ iron wire
cutting length	Length adjustable
Straightening speed	About 6-20m/min, depending on the wire material, wire diameter and cutting length, the corresponding speed needs to be adjusted
Maximum value of a batch	1~9999999
length error	± 0.5mm depending on the cutting length, the cutting mode is changed, and the error is different
Power supply	380V/50HZ
Straightening motor power	2.2KW-2P
Wire feeding servo motor	110 series reducer 1.5KW servo motor
Cutting off servo motor	80 series 0.75KW servo motor
degree of automation	Full-automatic
Machine dimension	1200*400*600mm
Machine weight	150KG
Wire decoiler:	ordinary wire decoiler (without power)/ automatic wire decoiler (speed-adjustable automatic rotation)



# High Speed Wire Straightening and Cutting Machine

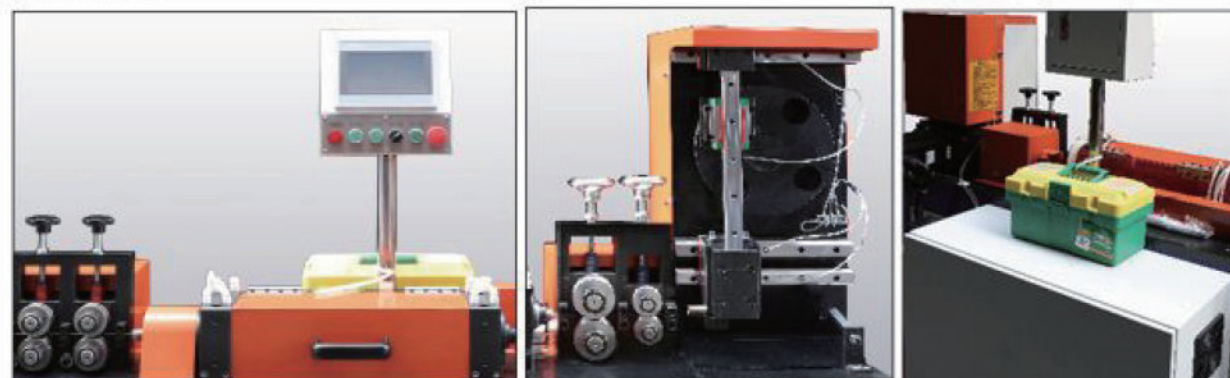


飞剪调直机 2-4 Flying shear 2-4



飞剪调直机 4-7  
Flying shear 4-7

## Details 细节展示



### Performance:

The flying shear straightening and cutting machine is suitable for a wide range of wire diameters. The wire diameter can be selected from 1.2mm to 7mm. The shortest section that can be cut is 50mm, and the longest is not limited. It is suitable for all kinds of wire rods such as: iron, steel, stainless steel, copper, aluminum, and so on. The accuracy is plus or minus 0.5mm, the straightening efficiency is fast and the fastest speed can reach 120m/min, which is equivalent to the speed output of 10 old-fashioned mechanical straightening machines, with stable performance and easy operation. In the working state, the wire is not twisted. There is no back break. The incision is flat, and the surface is not scratched. The flying shear is accurate, the straightening speed can be infinitely variable according to the toughness of the wire material, and the straightening speed is automatically tracked to automatically compensate for straightening loss and wear.

### Features:

- Humanized operation, you can use it if you understand "123", the whole process adopts PLC program and numbers, and the Chinese display interface explains and guides, automatic feeding, automatic straightening, automatic cutting, automatic blanking, and smooth incision.
- The straightening shaft is set to open the automatic shutdown protection function and the automatic shutdown protection of disconnection.
- The servo motor is used to cut at the speed, which solves the bottleneck that the traditional straightening machine blocks the material and the efficiency cannot be improved.
- Tool out limit function (support travel switch type and proximity switch type, normally open and normally closed)
- The query function can modify, delete, and add data during the query process.
- Electronic counter, no need for mechanical ruler gun.
- Input the length and quantity at the same time, the computer stores the memory, and it is convenient to read and store.
- Stable operation, adjustable speed operation, low failure rate, easy maintenance.
- The length of the smart correction bar (the computer recognizes whether to correct it).
- The length of the smart correction bar (the computer recognizes whether to correct it).
- During the operation of the equipment, the wear and tear of the straightening loss are automatically tracked and automatically compensated, so as to achieve the consistent high quality and high efficiency of the product.
- The equipment has safety precaution detection electronic control system facilities and early warning, and Chinese display indication function. Corresponding alarms have their own response and processing prompts to increase operability
- The basic mode has a manual mode for the operator to debug the machine, and the automatic mode is suitable for multi-functional modes such as mass production by workers.
- Power-off memory function, no need to return the wire when starting up
- It is easy to operate, easy to use and safe, easy to learn and understand, and it can be used immediately.
- Low dry noise, stepless speed regulation, straightening and cutting according to the toughness of each wire material; compact structure, stable operation and easy maintenance.
- The device has a comprehensive stainless steel structure and is small in size. It occupies less space and is easy to disassemble and assemble.

### High Speed Wire Straightening and Cutting Machine Specification

Model No.	1.5--3	2--4	3--5	4--7
Cutting length range	100mm-Unlimited	100mm-Unlimited	100mm-Unlimited	100mm-Unlimited
Wire feeding speed	Adjustable speed 15-120 m/min (the smaller the wire diameter, the faster the speed)	Adjustable speed 18-120 m/min (the smaller the wire diameter, the faster the speed)	Adjustable speed 15-90 m/min (the smaller the wire diameter, the faster the speed)	Adjustable speed 15-80 m/min (the smaller the wire diameter, the faster the speed)
Length tolerance	±0.5mm	±0.5mm	±0.5mm	±0.5mm
Applicable wire	Ordinary carbon steel wire (electroplating wire, stainless steel wire will have spiral pattern on the surface, do not hurt the wire and do not scratch your hands)	Ordinary carbon steel wire (electroplating wire, stainless steel wire will have spiral pattern on the surface, do not hurt the wire and do not scratch your hands)	Ordinary carbon steel wire (electroplating wire, stainless steel wire will have spiral pattern on the surface, do not hurt the wire and do not scratch your hands)	Ordinary carbon steel wire (electroplating wire, stainless steel wire will have spiral pattern on the surface, do not hurt the wire and do not scratch your hands)
Material shelf	1000*300*150 (Customized)	1000*300*150 (Customized)	1000*300*150 (Customized)	1000*300*150 (Customized)
Wire feed servo motor	1.5kw servo motor	2.3kw servo motor	2.3kw servo motor	2.8kw servo motor
Straightening motor	3KW motor	3KW motor	4KW motor	7.5KW motor
Flying cut servo motor	2.8KW servo motor	2.8KW servo motor	5.5KW servo motor	7.5KW servo motor
Guide rail module	TaiWan	TaiWan	TaiWan	TaiWan
Wire Feeding Wheel No.	2 sets (4 pairs of wheels)	2 sets (4 pairs of wheels)	2 sets (4 pairs of wheels)	2 sets ( pairs of wheels)
Control screen	touch screen	touch screen	touch screen	touch screen
Number of straightening	10pcs	9pcs	7pcs	7pcs
Adjustable wire range	1.5-3.0mm (Common carbon steel)	2-4mm (Common carbon steel)	3-5mm (Common carbon steel)	4-7mm (Common carbon steel)
Machine dimension (L*W*H)	2350*750*1550 (mm)	2350*750*1550 (mm)	2450*750*1550 (mm)	2670*710*1450 (mm)

Wire stand: Since the machine runs very fast, it is recommended to use an automatic wire stand with automatic speed tracking

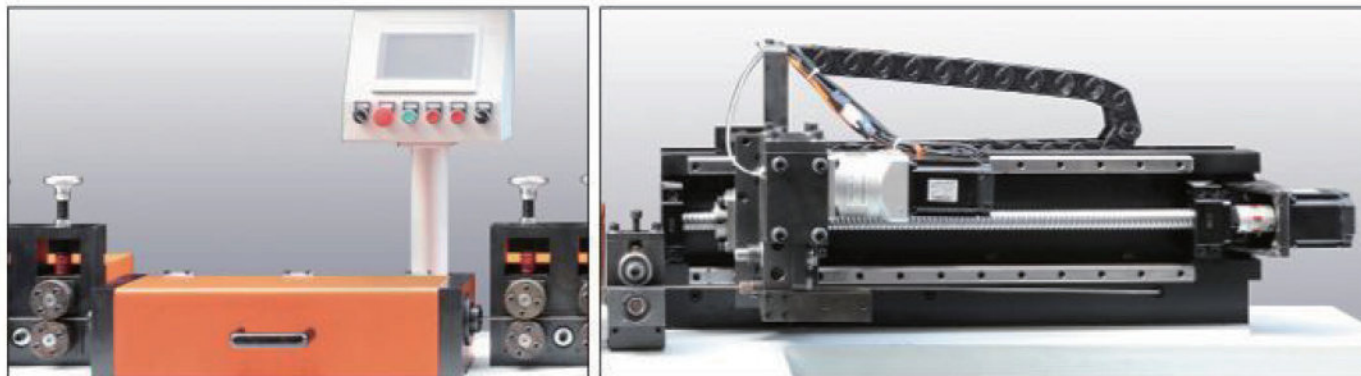


## 伺服切追剪调直机 2-6

### Servo Cut Wire Straightening and Cutting Machine



#### 细节展示 Details



#### Performance:

The cutting straightening and cutting machine is suitable for a wide range of wire diameters. The wire diameter can be selected from 2mm to 12mm. The shortest section that can be cut is 50mm, and the longest section is not limited. It is suitable for all kinds of wire rods such as: iron, steel, stainless steel, copper, aluminum, and so on. The accuracy is plus or minus 0.5mm, the straightening efficiency is fast and the fastest speed can reach 40m/min, which is equivalent to the speed output of 2-3 old-fashioned mechanical straightening machines, with stable performance and easy operation. In the working state, the wire is not twisted. There is no back break. The incision is flat, and the surface is not scratched. The chasing and cutting are accurate, the straightening speed can be infinitely variable according to the toughness of the wire material, and the straightening speed is automatically tracked to automatically compensate for straightening loss and wear.

#### Features:

1. Humanized operation, you can use it if you understand "123", the whole process adopts PLC program and numbers, and the Chinese display interface explains and guides, automatic feeding, automatic straightening, automatic cutting, automatic blanking, and smooth incision.
2. The straightening shaft is set to open the automatic shutdown protection function, and the automatic shutdown protection of disconnection.
3. The servo motor is used to cut at the speed, which solves the bottleneck that the traditional straightening machine blocks the material and the efficiency cannot be improved.
4. Tool out limit function (support travel switch type and proximity switch type, normally open and normally closed)
5. The query function can modify, delete, and add data during the query process.
6. Electronic counter, no need for mechanical ruler gun.
7. Input the length and quantity at the same time, the computer stores the memory, and it is convenient to read and store.
8. Stable operation, adjustable speed operation, low failure rate, easy maintenance
9. The length of the smart correction bar (the computer recognizes whether to correct it).
10. During the operation of the equipment, the wear and tear of the straightening loss are automatically tracked and automatically compensated, so as to achieve the consistent high quality and high efficiency of the product.
11. The basic mode has a manual mode for the operator to debug the machine, and the automatic mode is suitable for multi-functional modes such as mass production by workers.
12. Power-off memory function, no need to return the wire when starting up.



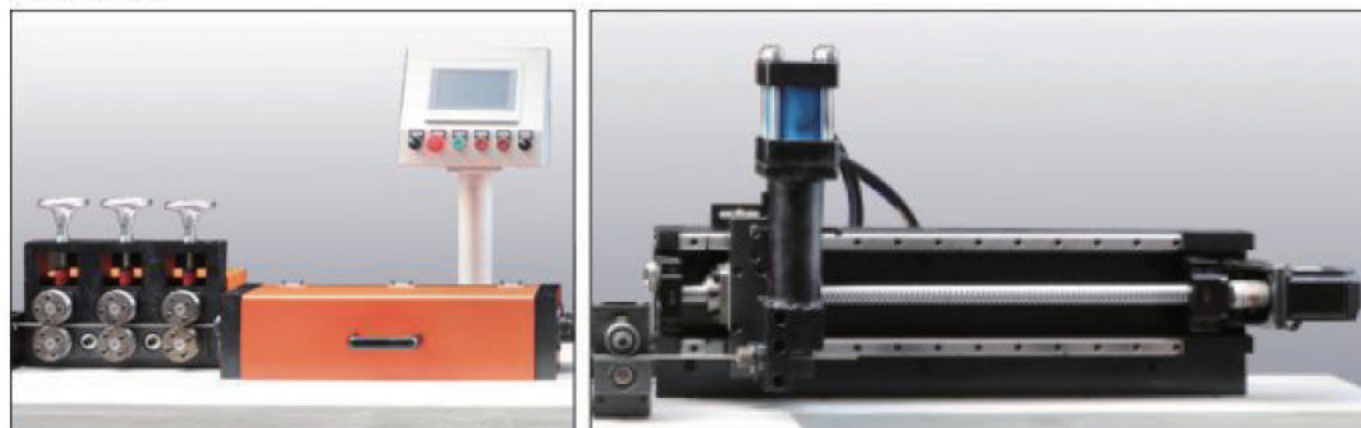
# 油压切追剪调直机 3-8

## Hydraulic Cut Wire Straightening and Cutting Machine



### Details

#### 细节展示



### Servo Cut/ Hydraulic Cut Wire Straightening and Cutting Machine

Model No.	2-6	2-8	5-9	9-12
Cutting length range	≥ 50mm	≥ 50mm	≥ 50mm	≥ 50mm
Wire Feeding Speed	Adjustable speed 7-35m/min	Adjustable speed 7-35m/min	Adjustable speed 7-30m/min	Adjustable speed 8-30m/min
length error	Within 500mm ±0.5mm (add 0.5mm for every 500)	Within 500mm ±0.5mm (add 0.5mm for every 500)	Within 500mm ±0.5mm (add 0.5mm for every 500)	Within 500mm ±0.5mm (add 0.5mm for every 500)
Applicable wire	Ordinary carbon steel wire, stainless steel	Ordinary carbon steel wire, stainless steel	Ordinary carbon steel wire, stainless steel	Ordinary carbon steel wire, stainless steel
Material Hopper	800*300*600mm	800*300*600mm	900*300*600mm	1000*500*600mm
Wire feeding motor	Feeding motor: 1.5KW with reducer--Dongguan Wanxin	Wire feeding motor: 2.2kw with reducer--Dongguan Wanxin 40 medium-sized reducer-GH40-2200W-3S	Wire feeding motor: 3.7kw with reducer 40 medium reducer-GH40, 3700W-3S	Wire feeding motor: 3.7kw with reducer -- Zhuolan
Straightening motor	Straightening motor: 3KW-2P--Jiangsu Huasheng	Straightening motor: 5.5KW-2P--Jiangsu Huasheng	Straightening motor: 7.5KW-2P --Zhuolan	Straightening motor: 11KW-2P --Zhuolan
Cutting servo motor	Chase shear servo motor: : 0.75KW, 1500 rpm--Wuxi Xinjie	Chase shear servo motor: servo motor 1KW- 1500 rpm-Wuxi Xinjie	Chase shear servo motor: Servo motor 1KW- 3000 rpm Zhuolan	Chase shear servo motor: servo motor 1.5KW-7.7N.N, 2500 rpm Zhuolan
Guide module	Taiwan seiko	Taiwan seiko	Taiwan seiko	Taiwan seiko
Ball Screw Module	Taiwan heqing	Taiwan heqing	shangyin	shangyin
Wire Feeding Wheel Count	2 sets (4 pairs of wheels)	2 sets (4 pairs of wheels)	2 sets (6 pairs of wheels)	2 sets (6 pairs of wheels)
Control screen	touch screen	touch screen	touch screen	touch screen
Straightening blocks No.	8pcs	8pcs	8pcs	8pcs
Cutting motor	1kw (3000 rpm) (servo cutting)	2.2KW	4KW	4KW
Type of cut cylinder		MOB63-20	MOB80-20	MOB100-20
Applicable wire range	2~6mm (ordinary carbon steel) (stainless steel 2~4.5mm)	2~8mm (ordinary carbon steel) (stainless steel 2~4.5mm)	4~9mm (ordinary carbon steel) (stainless steel 4~6mm)	8-12mm (ordinary carbon steel) (stainless steel 6~10mm)
Machine Dimension (L*W*H)	2670*710*1450 (mm)	2670*710*1450 (mm)	3070*900*1450 (mm)	3070*1050*1550 (mm)

Wire decoiler: ordinary wire frame (without power) automatic wire frame (speed-adjustable automatic rotation)



# Butt Welding Machine

焊接设备 (对焊类)  
WELDING EQUIPMENT



40kw 对焊机  
40KW Pneumatic Butt Welding Machine



63 80kw 对焊机  
63/80 KW Pneumatic Butt Welding Machine



TIG Butt Welding Machine  
氩弧对焊机



自动化双头碰焊机  
Automatic Double Head Touch Welding Machine



100-300KW 闪光对焊机  
100-300KW Flash Butt Welding Machine

### Main Parameter of Butt Welding Machine

No.	Item	Description
1	Machine Size (L*W*H)	L:650-850mm (customized); W:560mm; H:1380-1450mm (customized)
	Machine weight	280KG
2	Equipment color	White/ blue
3	Total power	63KVA/ 80KVA/ 100KVA or customized
4	Working environment	No strong acid, alkali and corrosiveness 2. Non open-air
5	Welding workpiece	Various wires:iron wire, stainless steel wire, etc.
6	Maximum welding capacity	Determined by transformer and arm length
7	Power and voltage	380V, 50HZ
8	Rate power	Customize
9	Temporary load rate	30%
10	Secondary no-load voltage	10V
11	Electrode distance	60mm

### Double gun argon arc butt welding machine 400A

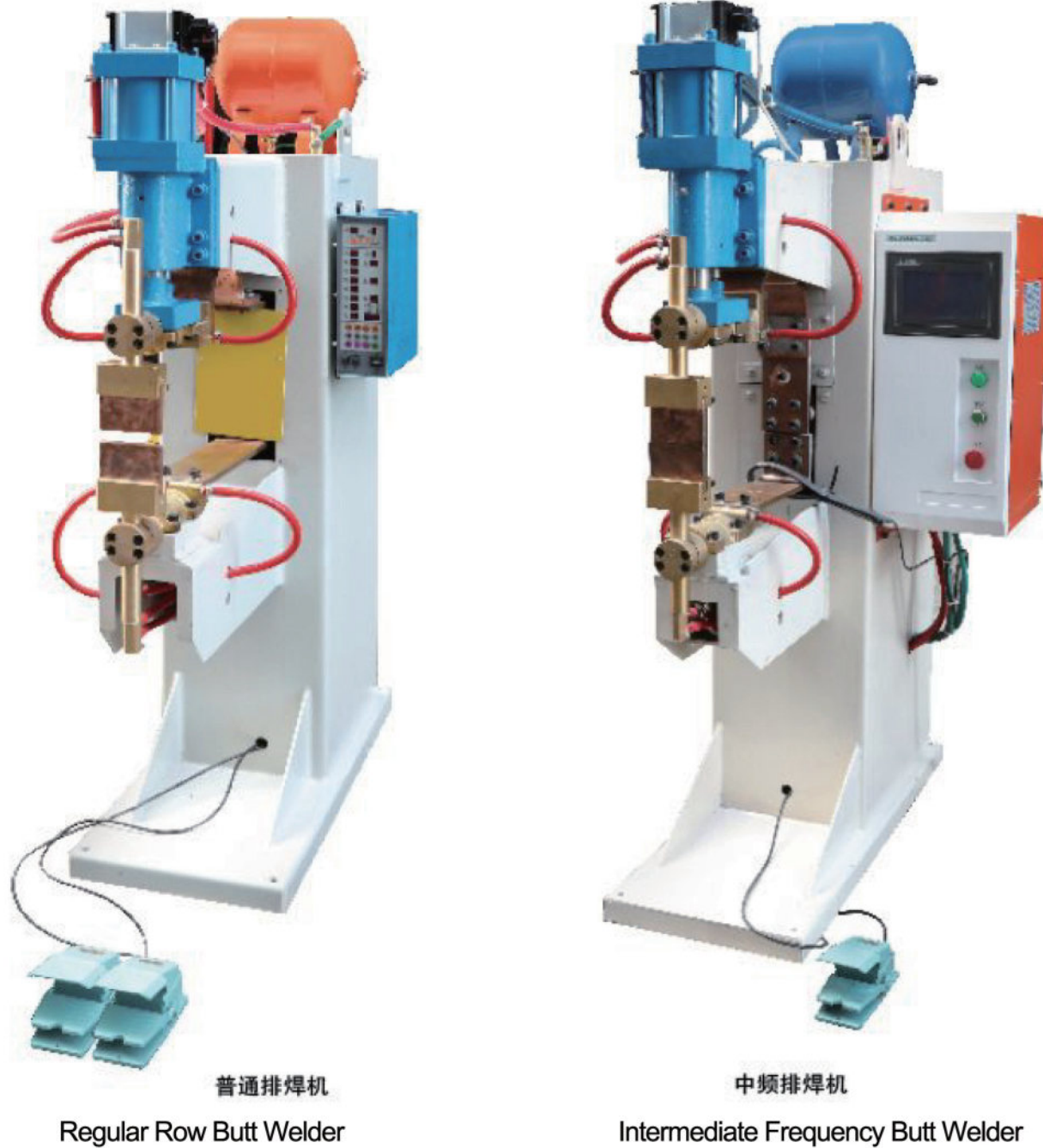
Machine	TIG butt welding machine
Operation interface	touch screen control
model No.	TIG welding model WS 400GT
Power supply(V)	Three-phase AC380V ± 15%
Frequency (Hz)	50/60HZ
Rated input current (A)	TIG welding: 22
No-load voltage (V)	60
Output current regulation (A)	Argon welding: 10-400
Rated output voltage (V)	TIG welding: 26
Thrust adjustment range (A)	0-50
Welder duty cycle	40%
No-load loss (W)	100
effectiveness(%)	80
power factor	0.9
Enclosure rating	IP21
Machine dimension	500*300*1200mm
total weight	800kgs

No.	Item	Brand	Parameter / QTY	Remarks
1	Control box	XLC	1pc	Button control, multi-function professional control box
	SCR	ZhenDa	undetermined	
	Magnetic valve	Air Tac	undetermined	
	Cylinder	Air Tac	2pcs	custom made
	Wire	huayang		
	Welding copper pole		1 pair	chromium-copper
	Foot switch	YuanDe	1pc	
	Transformer	XLC	100KVA/1set	Epoxy resin casting,secondary copper finishing

Item	Rated capacity	Input voltage	Rated frequency	Max short circuit current		Load duration	Max pressure	Upper electrode stroke	
				KA	KA			Work stroke	Auxiliary stroke
Model/unit	KVA	V	Hz	KA	KA	%	N	mm	mm
XLC-UN-16	16	380	50	25		30	200	40/80	
XLC-UN-25	25	380	50	30		30	230	40/80	
XLC-UN-40	40	380	50	45		30	300	40/80	
XLC-UN-63	63	380	50	70		30	400	50/100	
XLC-UN-80	80	380	50	90		30	500	50/100	
XLC-UN-100	100	380	50	110		30	550	50/100	



## PNEUMATIC WELDER COST-EFFECTIVE EQUIPMENT



普通排焊机

Regular Row Butt Welder

中频排焊机

Intermediate Frequency Butt Welder

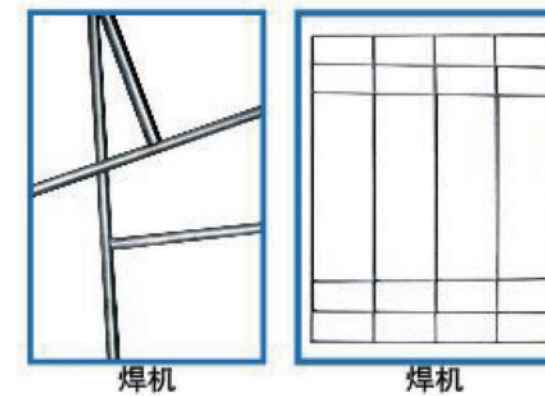
### Row welding machine instruction:

The upper electrode is pressurized by a cylinder, and the pressure adjustment is convenient and accurate; The welding of multiple solder joints can be uniformly completed at one time; The descending and ascending speed of the pressure head can be adjusted arbitrarily, which alleviates the pressure impact on the workpiece and reduces noise; The secondary conductor adopts the upper insulation method, and the insulation performance is stable and reliable; The main circuit adopts high-power thyristor components, and the output power is strong, stable and reliable; The operation is controlled by the foot switch, which has high productivity and low labor intensity; It is suitable for welding of metal mesh and mesh cover.

### Row welding machine features:

1. The welding machine is a gantry structure, the effective working space of the welding machine is 900mm, and the maximum mesh width suitable for welding is 700mm.
2. According to the user's requirements, the upper beam of the welding machine is equipped with 3 or 4 welding cylinders. Corresponding to the upper cylinder, there are 3 or 4 lower lifting cylinders on the lower beam. Welding cylinder lateral position adjustable.
3. The welding parameters (welding current, welding time, preloading time, maintenance time) can be set separately for each group of welding cylinders.
4. The secondary is powered by three-phase full-wave rectification, with high power factor and strong current output. Energy saving and power saving.
5. The control of the welding machine adopts full digital programmable logic controller (PLC) control, the current output is stable and the work is reliable. The failure rate is low.
6. The transformer, primary thyristor, secondary rectifier bridge, welding electrode and other 3-way working systems are respectively equipped with strong water cooling system for cooling to ensure that the welding machine can work stably for a long time.
7. The welding cylinder and welding gas valve are made of high-quality and fast components to ensure that the welding machine can work continuously and stably.

**Application:** for more suggestion, pls do not hesitate to consult with us.



### Pneumatic Row Butt Welding Machine

No.	Name	Description
1	Machine Size (L*W*H)	L: 1370mm (or customized); W: 560mm; H: 1780mm
	Machine weight	430kgs
	Working arm length	350mm 450mm 650mm etc. (customize)
2	Equipment color	White and Blue
3	Total power of equipment	63KVA/ 80KVA/ 100KVA/ 125KVA (or customized)
4	Working environment requirements	1. No strong acid, alkali and corrosiveness 2. Non-open space
5	Welding workpiece	Various wires:iron wire, stainless steel wire, etc.
6	Maximum welding capacity	Determined by transformer and arm length
7	Power supply and voltage	380V 2N 50HZ
8	rated power	customize
9	Temporary load rate	25%
10	Secondary no-load voltage	10V
11	Electrode distance	60mm



# 非标焊接设备

## Non-standard Welding Machine

### CUSTOMIZES WELDING EQUIPMENT



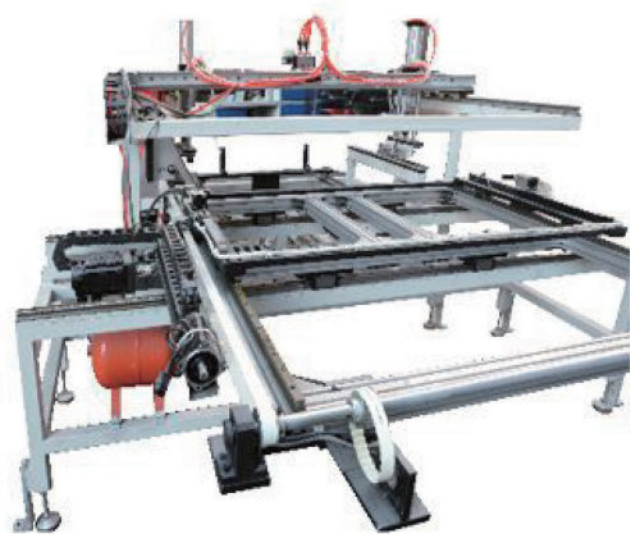
双模双层 XY 轴焊机  
Double-mode Double-layer XY Axis Welder



双模双层 XY 轴焊机  
Double-mode Double-layer XY Axis Welder



双模双层 XY 轴焊机  
Double-mode Double-layer XY Axis Welder



双模双层 XY 轴焊机  
Double-mode Double-layer XY Axis Welder

# 线架设备

## Decoilers



Pull-out Decoiler for High Speed Wire Straightenign and Cutting Machine

飞剪调直机 - 抽拉式线架



普通自动线架  
Common Auto Decoiler



Common Decoiler for Flat or Sheet for Customized Wire Straightening and Cutting Machine

普通扁线线架 - 适用于调直类其他非标类



3D 机自动线架  
Auto Decoiler for 3D Machine



普通圆线线架 - 适用于打圈机, 标准机型  
Common Decoiler for Round Wire for Ring Making Machine or Other Standard Machine



# Customized Automatic Welding Machine



Double-mode double-layer XY Axis Welder  
双模双层 XY 轴焊机



Automatic Frame Side Welder  
篮筐自动边框焊接机



五缸焊机  
Five Cylinder Welder



五缸焊机  
Five Cylinder Welder

Application:



## Non-standard (Customized) welding machine:

Non-standard welding machines are the extension of welding machines. At present, many welding parts on the market need to be welded in various parts. Some welding parts are batched, which extends the demand for fast speed and good welding quality. If the efficiency of using manipulators is not high, we will customize welding machines that meet production requirements according to various samples. Such machines are different from common welding, so we call them non-standard welding machines.

We usually design

- 1). The design of the mechanical mechanism is ergonomic, which is convenient for personnel to operate and maintain
- 2). The mechanical structure design needs to be calculated to meet the strength requirements of normal use and within the safety margin
- 3). The mechanical structure design needs to be analyzed and verified by FEMA according to our specific requirements.
- 4). The overall design of the mechanical structure needs to consider the principles of economy, environmental protection and safety.

Summary: All welding has corresponding welding specifications and standards, and welding process verification is carried out;

Design process: demonstration → simulation diagram → demonstration → confirmation draft → optimization of material → confirmation

of purchase list → production → test → acceptance

1. Use professional 3D drawing software such as (sw/ug) to design the first draft of our machine, with high efficiency and high speed, and adapters to improve the practicability of design drawings and demonstrate the specific motion effects of the machine

Let us discuss more intuitively and determine the implementation of the scheme.

2. Strengthen the ease of use of equipment design. When designing automation equipment, relevant personnel must take into account the actual operation of workers. To abide by the principle of ease of use, to ensure that the operation of the equipment can meet the

The operating habits of most workers, take care of the efficiency and quality of non-standard automation equipment production. At the same time, it is necessary to communicate the design plan of the interface with the construction personnel, and it must be based on the ability of the workers to accept the equipment.

Adjust the plan. From ensuring that workers can master the operation methods of mechanical equipment in a short amount of time.

3. Optimize the design materials of automation equipment. The construction materials used by automation equipment are the key to the quality of equipment use. If the relevant personnel want to ensure the smoothness and quality of the equipment, they must optimize the selection of equipment.

4. Designers must also standardize the design of non-standard automation equipment. On the one hand, designers must optimize their own design drawings, and use foreign advanced equipment design methods to strengthen the standardized design of non-standard equipment ;

On the one hand, the overall design of the equipment should be stipulated by the group, the discussion and review of the design plan should be strengthened, and all the design details should be carefully proofread, so that the overall design plan can meet the needs of users and meet the requirements of each platform. design criteria and the ability to, symbols and formats are used accurately, so that the design level of domestic non-standard automation equipment can reach an ideal height.

## Double-mode double-layer XY axis welding parameters

Welding widest range: 900mm
Welding maximum length range: 1300mm
Length error: ±0.5mm within 500mm (add 0.5mm for each additional 500)
Rated power KVA: 150
Rated voltage V: 3-phase AC380V±10%
Rated load duration %: 50
Servo motor: 0.75KW, 1.5KW, 2000 rpm--Wuxi Xinjie
Maximum pressure N (0.5MPa air pressure): 5000
Working pressure: 0.5~0.7MPa
Welding power source: AC power
Control Screen: Touch Screen
Clamp travel speed: forward 500mm/S
Welding process: row welding
Working efficiency (one cycle welding time): s piece
Working height: 200-500
Pressurization method: pneumatic
Welding current: adjusted according to the process
Rack size (L*W*H): 2700*1700*1800 (mm)