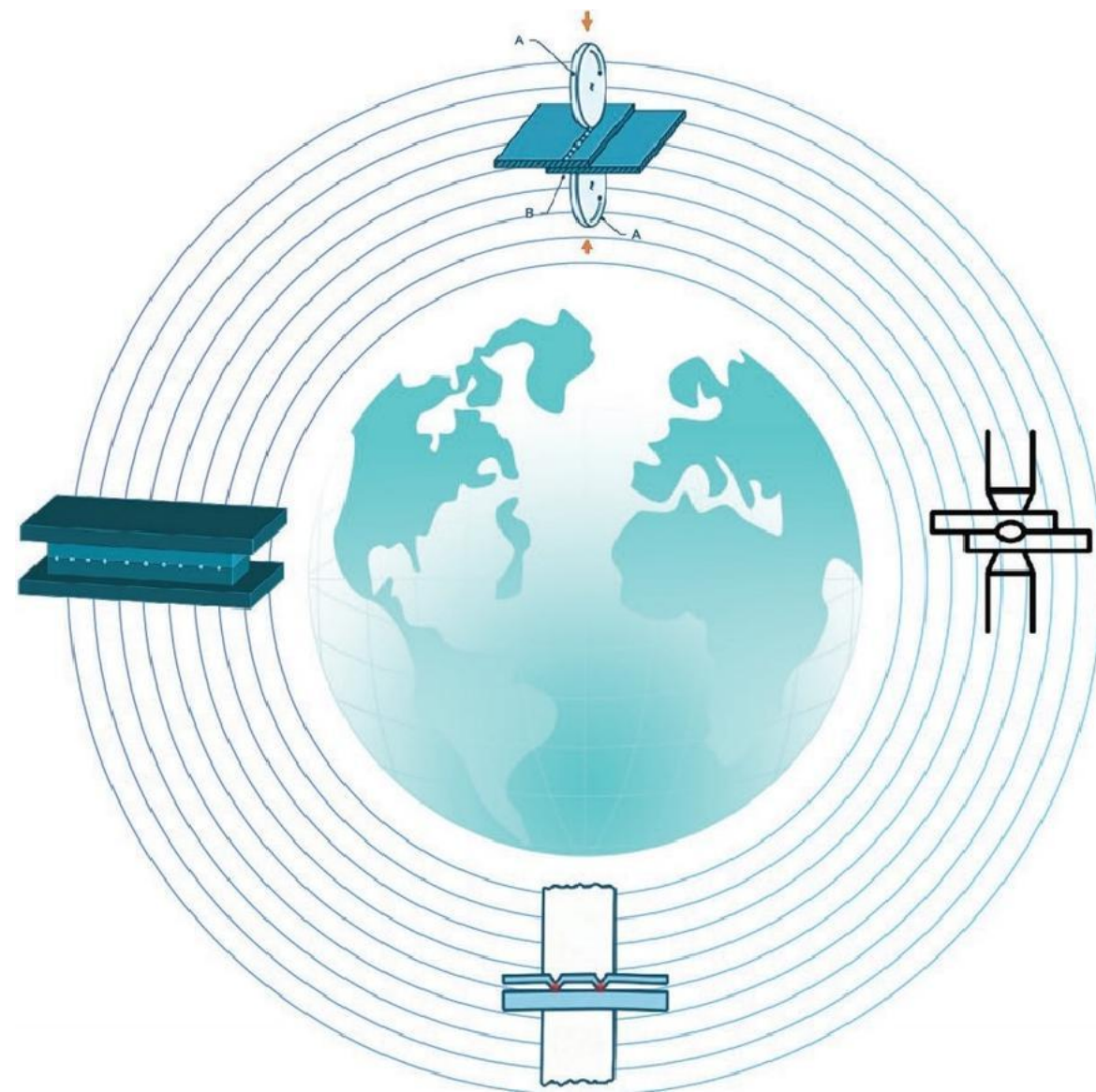




Wuxi Haifei Intelligent Equipment Co., Limited

Address: 28 Shui Yun Road, Yuecheng, Jiangyin Town, Wuxi City, Jiangsu Province, China 214400



CHOOSING HAIFEI MEANS CHOOSING SAFETY



Spot
Welding



Projection
Welding



Seam
Welding



Butt
Welding



Diffusion
Welding



Ultrasonic
Welding

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COMPANY INTRODUCTION

Company Introduction

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COMMITTED TO BEING THE LEADER IN
NON-FERROUS METAL WELDING

ENTERPRISE INTRODUCTION

Haifei possesses the core technologies for resistance welding base controllers +the core technologies for ultrasonic generators and transducers at the base level+AI algorithm models



Wuxi Haifei Intelligent Equipment Co., Ltd. (abbreviated as "Haifei Intelligent") was founded in 2009. It is a National High-Tech Enterprise, a Jiangsu Provincial "Specialized, Refined, Differential, and Innovative" Enterprise, and a Wuxi Municipal "Specialized, Refined, Differential, and Innovative" Enterprise. We are committed to making metal welding simpler, more efficient, and more reliable through continuous technological R&D and product innovation, and aspire to become a world-class provider of metal welding equipment solutions. Haifei Intelligent has developed into a modern R&D and manufacturing base with **over 130 employees** and a **total area of more than 10,000 square meters**. The company holds **more than 40 patents**, independently develops controllers, and **owns 2 national software copyrights**, ensuring technological leadership and independent control over products. We have established 8 regional service outlets across the country, enabling us to provide customers with more timely and comprehensive support.

The company's main products include medium-frequency spot welders, polymer diffusion welders, ultrasonic metal welders, customized special welding machines, and overall automated welding solutions. Guided by the product philosophy of "Safety, Efficiency, Energy Conservation, and Environmental Protection", we provide high-end and mid-range welding solutions for industries such as automobile manufacturing, new energy, and low-voltage electrical appliances. Our outstanding product strength and technical services have won wide recognition in the market. We have successfully served **over 5,000 customers**, including **more than 50 Fortune 500 companies**, and have completed a total of **over 80,000 welding workpiece cases**.

Innovation is the core driving force for Haifei Intelligent's development. The company adheres to independent R&D of core technologies, extensively recruits top technical talents, and continuously strengthens its core competitiveness. We always keep in mind the concept of "customer-centricity", uphold the corporate values of "Gratitude, Diligence, Altruism, and Win-Win", and embrace the grand mission of "Striving for the Rise of China's Industry". We continuously provide products and services that meet or even exceed customer expectations. Looking forward to the future, Haifei Intelligent will continue to be driven by technological innovation and contribute solid "Haifei Strength" to the global industrial intelligentization process. We sincerely invite you to cooperate with us to create a new chapter in intelligent manufacturing!

BRAND ORIGIN

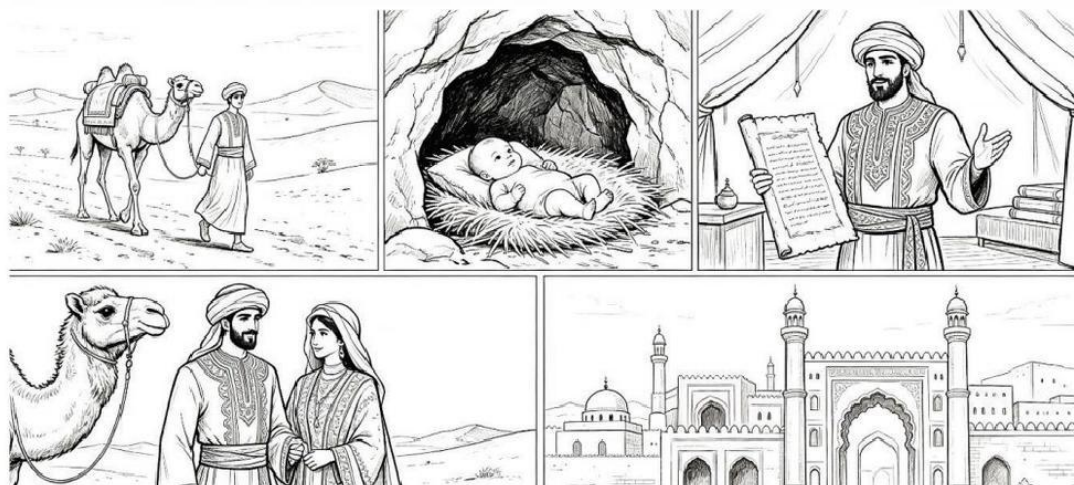
Two thousand years ago, in the desert of what is now Arabia, **there lived a boy named Hafid who drove a camel.** His most urgent desire is to change his humble life, because he falls in love with **a beautiful girl**, and the girl's father is rich and snobbish... Hafid's wish was granted by his boss, the famous furrier Besaro. To test Hafid's potential, Besaro sent him to sell a robe in a small town called Bethlehem. However, Hafid fails, because in a moment of pity, Hafid gives the robe to a newborn baby who needs warmth in a cave near the inn.

Hafid returned to the furrier in a state of shame, but a star kept following him and shining above his head. Besaro explains this as **a revelation from God and gives the boy ten scrolls that are full of business secrets and the wisdom necessary to give him all his ambitions.** With these ten scrolls in his pocket and a sum of principal from his boss, Hafid left the camel herd and went far away, officially starting his sales career of earning an independent living.

Years later, the boy Hafid became a rich businessman and married back the girl he loved. Hafid's achievements continued to expand, and soon a vast commercial empire sprang up in ancient Arabia....

Those who are familiar with the above text understand that this is the story of a strange book, its name is called "The world's greatest Salesman".

With gratitude, commitment and uncompromising quality, we convey the power of the Haifei brand. Haifei is leading China's resistance welding industry to write a new chapter, striving to become the pride of the Chinese people and break the international monopoly in the global resistance welding market.



CORPORATE CULTURE



Vision

Become a respected happiness company.

Business philosophy

In pursuit of both material and spiritual happiness for all employees, it has contributed to the development and progress of mankind and society.

Mission

Make the enterprise efficient and longevity.

Enterprise spirit

Keep learning, keep transcending

Value Proposition

Gratitude, progress, altruism and win-win

★Delight the Customer

Provide effective services for customers. This guides our work and serves as the benchmark for value assessment. To empower customers is to achieve ourselves.

★Hard Work and Plain Living

We cannot rely on any inherent resources. Only through hard work can we earn customers' trust.

★Self-criticism

The goal of self-criticism is continuous progress and improvement, not self-denial. By practicing self-criticism, we learn to listen and constantly surpass ourselves. We gain greater respect for others and foster collaboration, realizing shared growth for customers, the company, teams and individuals.

★Open-minded and Enterprising

To better satisfy customer demands, we forge ahead proactively and uphold openness and innovation.

★Sincerity and Integrity

Only a sincere and candid heart enables us to honor every commitment. Integrity is our intangible asset. Haifei wins customers through consistent honesty.

★Teamwork

Celebrate together in victory; stand side by side in adversity.

Hardware samples



Haifei Energy
Storage Spot
Welding
Machine



Haifei Nut
Conveyor



Haifei Chiller



FANUC Robot



Haifei Control
System



Welding Fixture



Resistance
welding process



HAIFEI PROJECTION WELDING WORKSTATION

Optional:

CCD vision system, automatic clip changing device, AI process detection system, remote maintenance, data traceability, fixture recognition

Hardware samples

Haifei Controller

- Intelligent Digital Control
- Precise Welding Current
- Three-phase Balanced Load
- Over 30% Energy Saving
- 1 Million Traceable Data Records
- Programmable 64~256 Sets of Welding Parameters

1-Year
Quality
Guarantee
Safe and
Secure



Strength certification

One stop welding solution service provider





TEAM ELEGANCE



一路同行

YILU TONG XING
运筹方寸间决胜千里外



感恩一路相伴

GAN EN YI LU XIANG BAN



Quality inspection

We have very perfect detection means and equipment. Such as detecting the internal resistance of the transformer micrometer, welding current tester, welding pressure tester, oscilloscope, megohm meter, three-phase voltage regulator, water pressure tester, etc., advanced testing instruments ensure the reliability and stability of the product.



Inner resistance tester



Oscilloscope

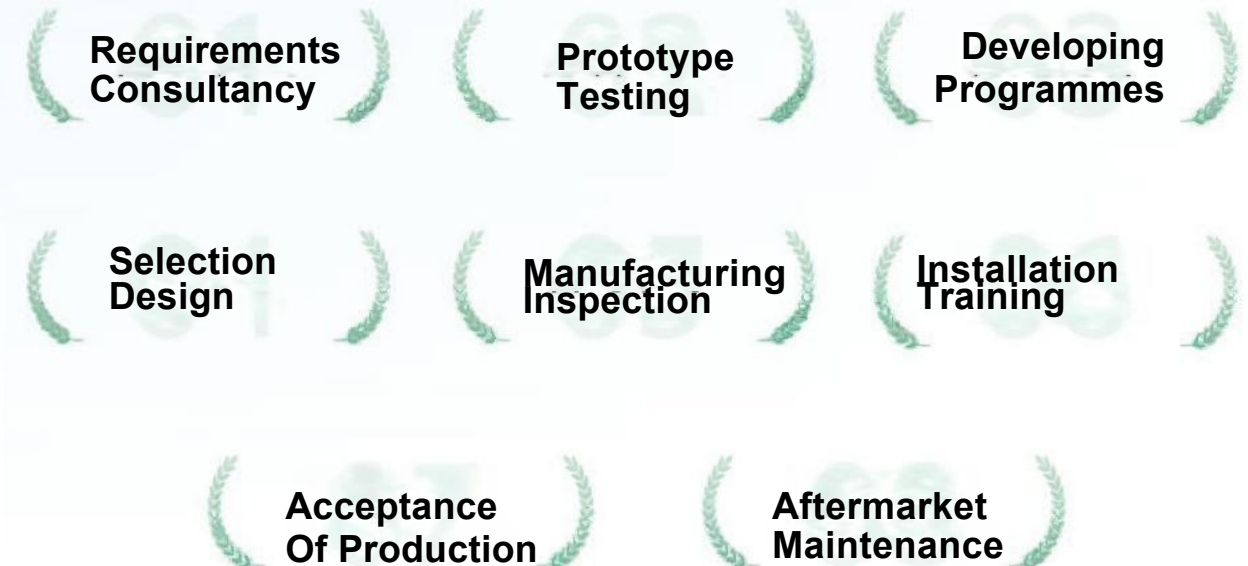


Metallographic testing instrument



FARO coordinate measuring machine

Customized service



Proof



Teach



Testing



Training

Wuxi Haifei weld technology center has close cooperation relationship with peers, provide the prototype show technical consultation、technical consultation, technology analysis proofing and operation training and other services to peer and all industries users at any time.

Diffusion Welding Machine



HFTD-150-S
Servo diffusion
welding machine



HFTD-350-Y
Hydraulic diffusion
welding machine



HFTD-100-Q
Copper diffusion
welding machine



HFVD-100-QY
Gas-Liquid
Diffusion
Welding Machine



HFVD-200-S
Servo diffusion
welding machine



HFVD-200-Y
Servo diffusion
welding machine

Diffusion Welding Machine



Specification

Sample & Applicant



Diffusion Welding Workstation



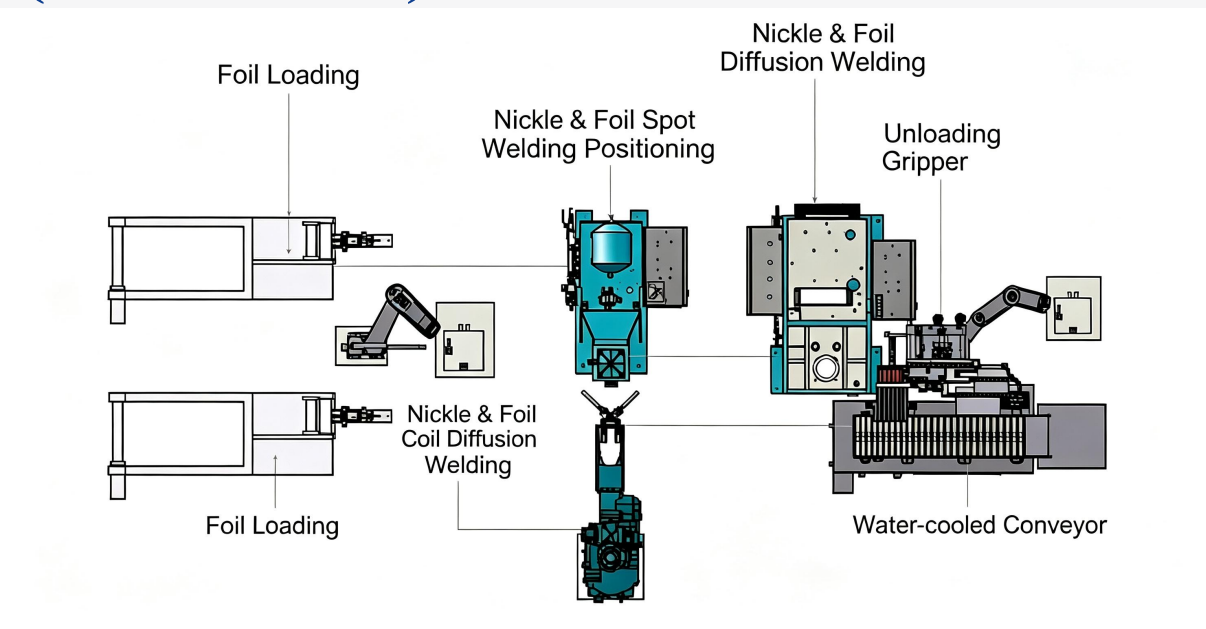
MODEL		HFTD-100	HFTD-150-QY	HFTD-200-S	HFTD-350-Y	HFVD-100-QY	HFVD-200-S
Transformer Rated Capacity	KVA	100	200	300	350	100	200
Power supply	V/Φ/Hz	380/3/50					
Max.Primary Current	A	100	160	250	250	100	150
Primary Cable Specifications	MM²	3*35+2*16	3*50+2*25	3*70+2*35	3*70+2*35	3*35+2*16	3*50+3*25
Rated Duty Cycle	%	50		100			
Secondary Voltage	V	9	9.7	10.4	13.8	21	21
Welding Cylinder Size	Φ*L	200*110	100*150	/	/	100*150	/
Max. Working Pressure	T	1.5	10	16	16	10	10
Air Supply Pressure	Mpa	≥0.6	≥0.6	/	/	≥0.6	/
Consumer of Compress Air	L/Min	6.7	3.6	/	/	3.6	/
Consumer of Cooling Water	L/Min	48	64	150	150	60	60
Dimension L*W*H	L-MM	1280	1285	1132	1519	1145	1386
	W-MM	821	871	791	1218	951	1265
	H-MM	2008	2395	2041	2094	2385	2533
Max. Welding Range	MM	40*40*25	60*60*25	100*100*25	120*120*25	90*60*25	90*60*20

Diffusion Welding Machine

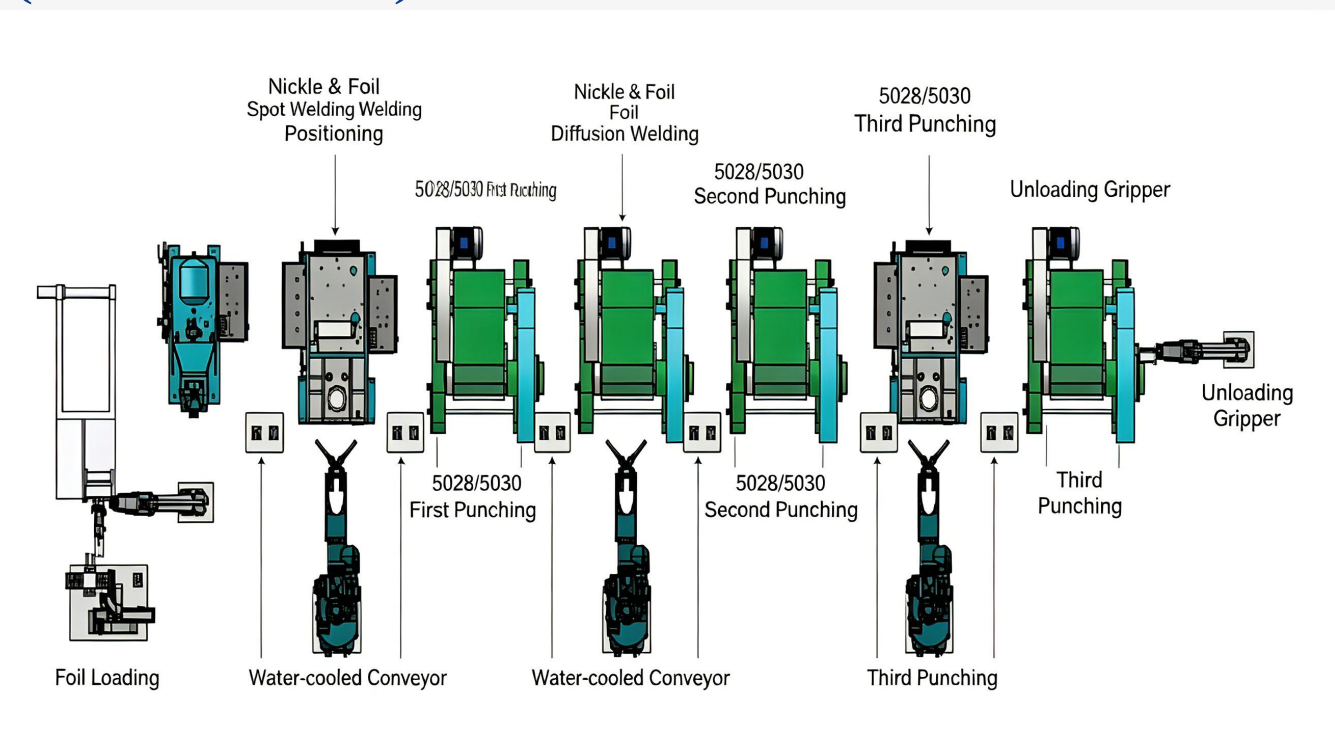
Production Process Flow Chart



Automation Diffuion Welding Line (Customized)



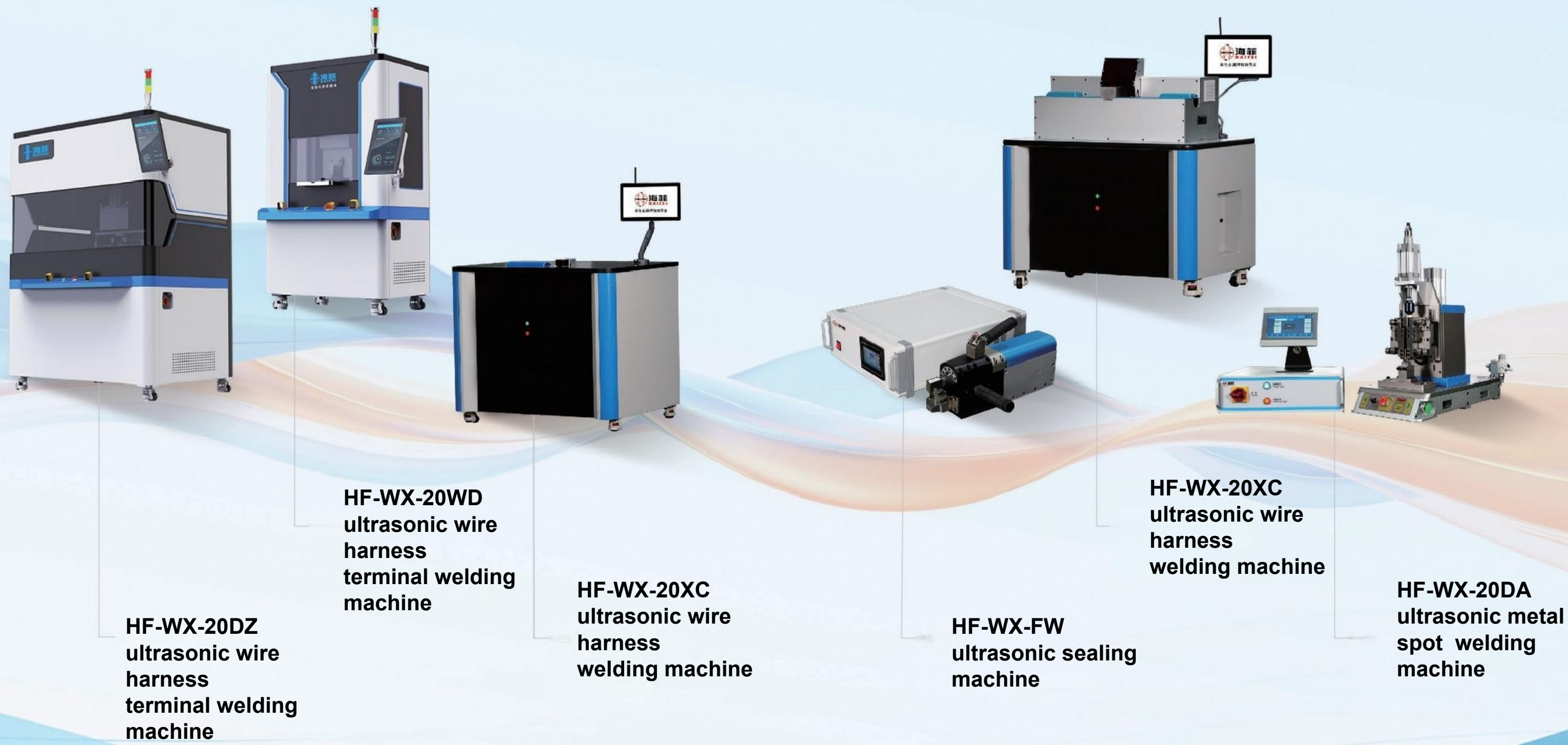
Automation Diffuion Welding Line (Customized)



Supporting Equipment-cutting Machine



Ultrasonic Welding Machine



HF-WX-20DZ
 ultrasonic wire
 harness
 terminal welding
 machine

HF-WX-20WD
 ultrasonic wire
 harness
 terminal welding
 machine

HF-WX-20XC
 ultrasonic wire
 harness
 welding machine

HF-WX-FW
 ultrasonic sealing
 machine

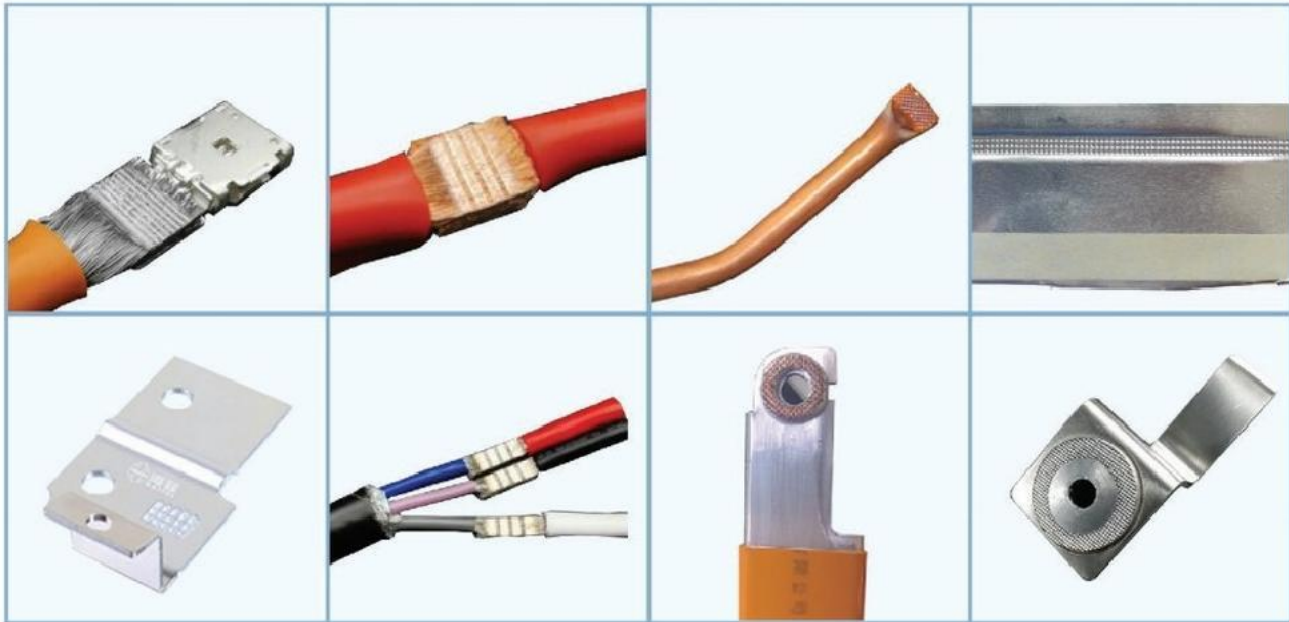
HF-WX-20XC
 ultrasonic wire
 harness
 welding machine

HF-WX-20DA
 ultrasonic metal
 spot welding
 machine

Ultrasonic Welding Machine



Sample



Applicant



Specification

MODEL		HF-WX-20D Z	HF-WX-20WD	HF-WX-20XC	HF-WX-20XC	HF-WX-20XB	HF-WX-20DA	HF-WX-20DA	HF-WX-FW	HF-WX-20SD
Max. Power	KW	16	8	9	6	3	6	3	3	3
Operating Frequency	KHz	20								
Power Input	V/Hz	380/50	380/50	380/50	380/50	220/50	380/50	220/50	220/50	200-380/50
Air Source Input	MPa	0.5								
Equipment Input	KG	1200	680	80	50	30	150	150	20	80
Dimension L*W*H	L-MM	2060	1300	120	120	80	100	100	66	/
	W-MM	1010	1000	90	85	65	70	70	55	/
	H-MM	2300	2000	160	150	25	85	85	25	/
Max. Welding Range	MM²	50-95	35-70	5-100	25-50	0.5-25	16-35	2-16	2-10	0.02-0.2

Medium Frequency Spot Welding Machine



Medium Frequency Spot Welding Machine



Sample



Applicant



Specification

MODEL		HFDB-50T	HFDB-50L	HFDB-100	HFDB-200	HFDB-320	HFDB-440
Transformer Rated Capacity	KVA	80	80	160	240	320	480
Power Supply	V/Φ/Hz	380/3/50					
Max. Primary Current	A	100	100	100	250	350	350
Primary Cable Specifications	MM²	3*16+2*10	3*16+2*10	3*35+2*16	3*50+2*25	3*70+2*35	3*95+2*50
Max. Short Current	KA	18	18	38	58	78	100
Rated Duty Cycle	%	20					
Secondary Voltage	V	9.6	9.6	9.6	9.6	12.5	12.5
Welding Cylinder Szie	Φ*L	50*50	125*75	165*110	200*110	250*150	250*150
Max. Welding Pressure	N	980	6000	10000	15000	24000	24000
Air Supply Pressure	Mpa	≥0.6					
Consumer of Compress Air	L/Min	0.18	1.78	4.29	6.7	14.43	14.43
Consumer of Cooling Water	L/Min	8	32	40	48	96	96
Throat	MM	120	450	425	425	280	280
Max. Spcaing Between Copper Platform	MM	95	176	250	350	400	400
Dimension L*W*H	MM	656*853*1291	1121*741*1635	1132*791*2041	1172*875*2149	1404*1137*2487	1404*1137*2487

Medium Frequency AC-DC Spot Welding Machine



HFBP-50
medium-frequency
AC-DCspot welding
machine



HFBP-100
medium-frequency
AC-DCspot welding
machine



HFBP-200
medium-frequency
AC-DCspot welding
machine



HFBP-350
medium-frequency
AC-DCspot welding
machine

Sample



Applicant



Specification

MODEL		HFBP-50	HFBP-100	HFBP-200	HFBP-350
Transformer Rated Capacity	KVA	63	120	200	350
Power Supply	V/Φ/Hz	380/3/5			
Max. Primary Current	A	50	100	250	250
Secondary No-load Current	V	5.9	10.6	12.6	12.6
Primary Cable Specifications	MM ²	3*16+2*6	3*35+2*16	3*50+2*25	3*50+2*25
Max. Short Current	KA	20	33	43	58
Rated Duty Cycle	%	20			
Welding Cylinder Szie	Φ*L	125*80	160*110	200*110	200*110
Max. Welding Pressure	N	6000	10000	15000	15000
Air Supply Pressure	Mpa	≥0.6			
Consumer of Compress Air	L/Min	1.43	4.29	6.7	6.7
Consumer of Cooling Water	L/Min	20	40	32	48
Throat	MM	450	425	425	425
Max. Spcaing Between Copper Platform	MM	208	250	250	250
Dimension L*W*H	MM	1650*440*1000	1162*875*2149	1245*875*2007	1162*875*2149

YUEYI Series-Medium Frequency Spot Welding Machine



YYDB-100
medium-frequency
spot welding
machine



YYDB-200
medium-frequency
spot welding
machine



YYTR-10000 J
energy storage
spot welding
machine



YYTR-15000 J
energy storage
spot welding
machine



YYTR-20000 J
energy storage
spot welding
machine

YYBP-100
medium-frequency
AC-DC spot welding
machine

YYBP-200
medium-frequency
AC-DC spot welding
machine

■ Specification

MODEL		YYDB-100	HFDB-200
Rated Load Duration Rate	%	20	
Transformer Rated Capacity	KVA	160	240
Cylinder Capacity	MM	160/100	
Max. Welding Pressure	N	10000	
Max. Primary Current	A	100	250
Current adjustable Range	KA	0%-99%	
Transformer Insultaion Class		F Grade	
Throat	MM	390	
Secondary Max. Short- Circuit Current	KA	38	50
Lower Electrode Arm Deflection	MM	<0.1	
Max. Spcaing Between Copper Platform	MM	285	
Output Frequency	HZ	1000	
Protecion Function		Shutdown due to abnormal water flow, abnormal current, or abnormal pressure.	
Dimension L*W*H	MM	1045*749*1891	1045*758*1891

■ Specification



MODEL		YYTR-10000J	YYTR-15000J	YYTR-20000J
Rated Voltage	V/PH/HZ	380/3/50		
Rated Energy Storage Capacity	J	10000	15000	20000
Input Power	KVA	15	15	30
Max. Short Current	KA	30	100	130
Capacitance	uF	20000	60000	40000
Maximum electrode pressure(0.5 Mpa when subjected to air pressure input)	N	20000		
Arm spacing(the distance between the upper and lower plates	MM	377		
Arm extension (distance from the pressure center to the fuselage)	MM	430		
The maximum stroke of the electrode	MM	130		
Air source pressure	Mpa	0.5		
Cooling water flow rate	L/min	10		

Energy Storage Spot Welding Machine



HFTR-15000
energy storage
spot welding
machine



HFTR-20000
energy storage
spot welding
machine



HFTR-60000
energy storage
spot welding
machine



HFTR-5000
energy storage
spot welding
machine



HFTR-30000
energy storage
spot welding
machine



HFTR-45000
energy storage
spot welding
machine

Sample



Specification

MODEL		HFTR-5000	HFTR-10000	HFTR-15000	HFTR-20000	HFTR-30000	HFTR-45000
Capacitance Capacity	uF	10000	20000	30000	40000	60000	90000
Input Power	KVA	10	15	15	30	50	100
Power Supply	V/Φ/Hz	380/3/50					
Max. Primary Current	A	30	60	60	80	100	120
Primary Cable Specifications	MM ²	3*10+2*6	3*10+2*6	3*16+2*6	3*25+2*16	3*25+2*16	3*35+2*16
Max. Short Current	KA	44	80	100	130	180	200
Rated Duty Cycle	%	50					
Secondary Voltage	V	10-12	12-14	12-14	17-19	17-17	22-25
Welding Cyclinder Size	Φ*L	160*110	160*110	200*110	200*150	200*150	200*150
Max. Welding Pressure	N	10000	10000	15000	25000	30000	30000
Air Supply Pressure	Mpa	>0.5					
Consumer of Cooling Water	L/MIN	10					
Throat	MM	425	425	425	280	280	280
Arm Spacing	MM	250	350	350	400	400	400
Dimension L*W*H	MM	1090*745*1980	1353*937*2149	1353*937*2149	1295*987*2422	1595*1277*2577	1595*1277*2577

Applicant



Automotive Body Components



Sheet Metal



Kitchenware



Home Appliances



Electrical Motors



Hardware Products

Electric Cylinder AI Welding Machine

- ★Is the product OK or NG after welding?
- ★AI monitoring accuracy reaches over 99%
- ★Say goodbye to cold solder joints, desoldering, and fines



HFDB-200
servo medium
frequency AC/DC
spot welding
machine



HFDB-100
servo medium
frequency AC/DC
spot welding
machine



HFTR-30000
servo
energy storage
spot welding
machine



HFTR-45000
servo
energy storage
spot welding
machine

AI Electric Welding Machine



Take electricity to the extreme.



Medium Frequency Seam Welding Machine



HFFZ-100
medium
frequency
seam
welding
machine



HFFZ-200
medium
frequency
seam
welding
machine



HFFZ-200
medium
frequency
seam
welding
machine

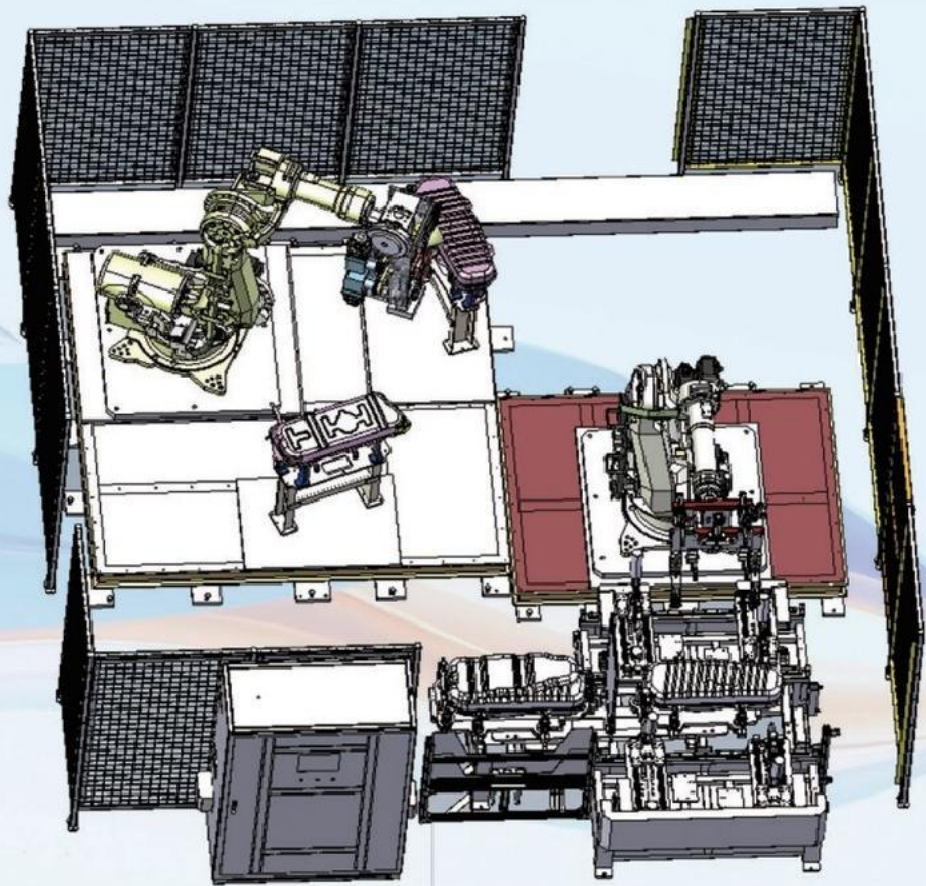


HFFN-200
medium
frequency AC
longitudinal
seam
welding
machine

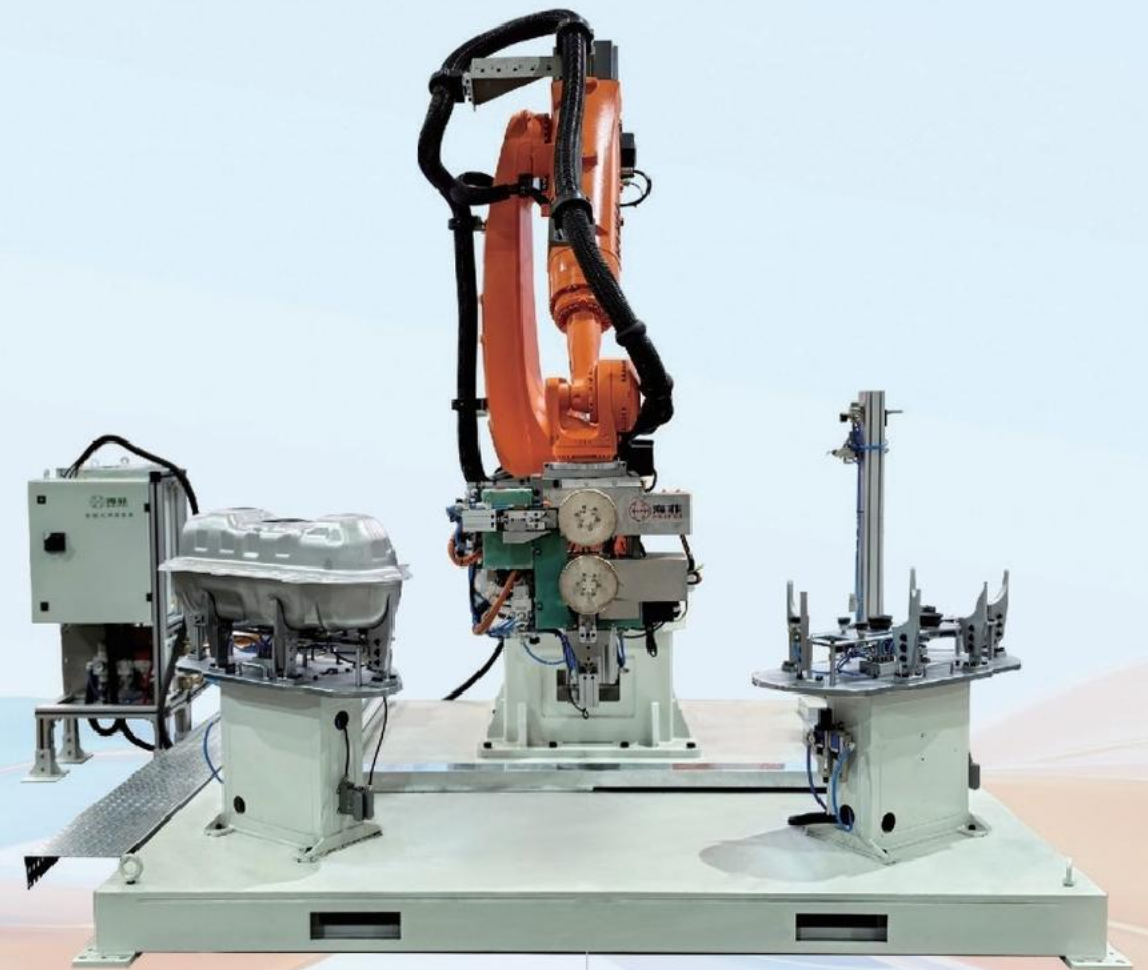


HFFN-200
medium
frequency AC
seam
welding
machine

Medium Frequency Seam Welding Machine



Robot Welding
Production Line

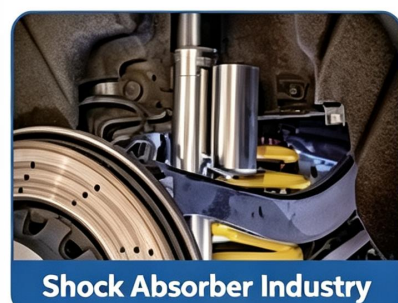
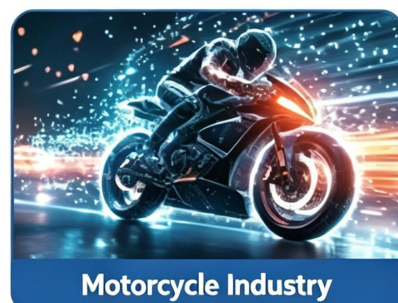


Robot Welding
Workstation

Sample



Applicant



Specification

MODEL		HFFN-200	HFFZ-200
Transformer Rated Capacity	KVA	200	225
Power Supply	V/Φ/Hz	380/3/50	
Max. Primary Current	A	200	
Secondary Voltage	V	10	
Max. Primary Current	MM ²	3*35+2*25	
Rate Duty Cycle	%	50	
Arm Extension Dimension	MM	600	
welding Cylinder Size	Φ*L	160*110	
Max. Working Pressure	N	10000	
Cylinder Stroke	MM	110	
Consumer of Cooling Water	L/MIN	25	
Welding Thickness	MM	Steel 2.5+2.5	Steel 3+3
Weight	KG	1400	1200
Dimension Length*Width*Hight	L-MM	1320	1600
	W-MM	1000	600
	H-MM	2000	2600

Integrated spot welding actuator

Robot X Type
Welding Gun



Robot C Type
Welding Torch



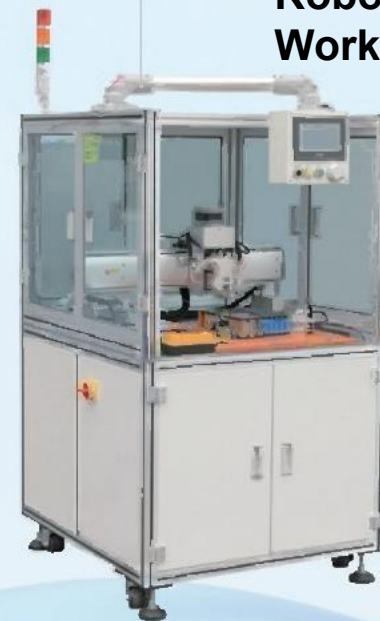
X Type Integrated
Suspended Spot
Welding Machine



C Type Integrated
Suspended Spot
Welding Machine

Other Welding Machine

HFVB-CZ40
Robot Welding
Workstation



HFIS-400C
Precision Spot
Welding Machine



HFDB-100-Y1
Rocking Arm
Spot Welding
Machine



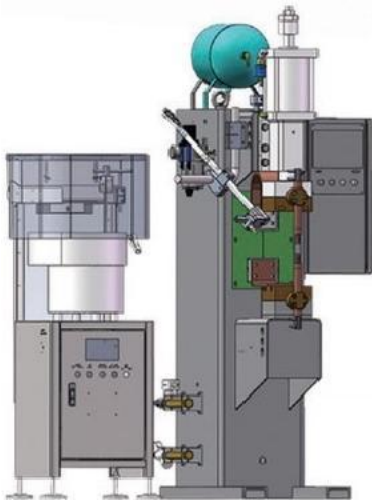
HFDB-200-Y2
Rocking Arm
Spot Welding
Machine



Supporting equipment -nut conveyor

Vibration disc screening machine

The Haifei magnetic separation machine uses well-known brands such as Siemens or Huacon's PLC for precise control. It has stable and reliable performance and is widely used in the automotive parts manufacturing industry. It has received unanimous praise from users both at home and abroad.



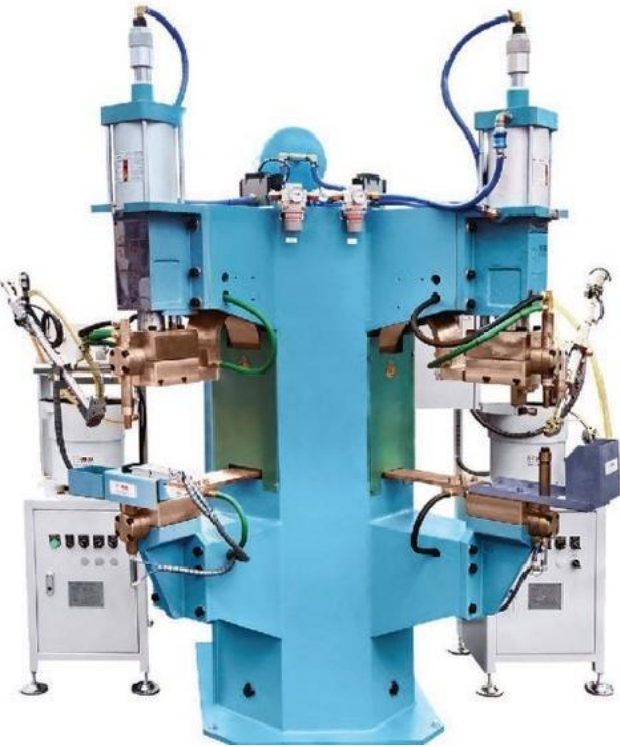
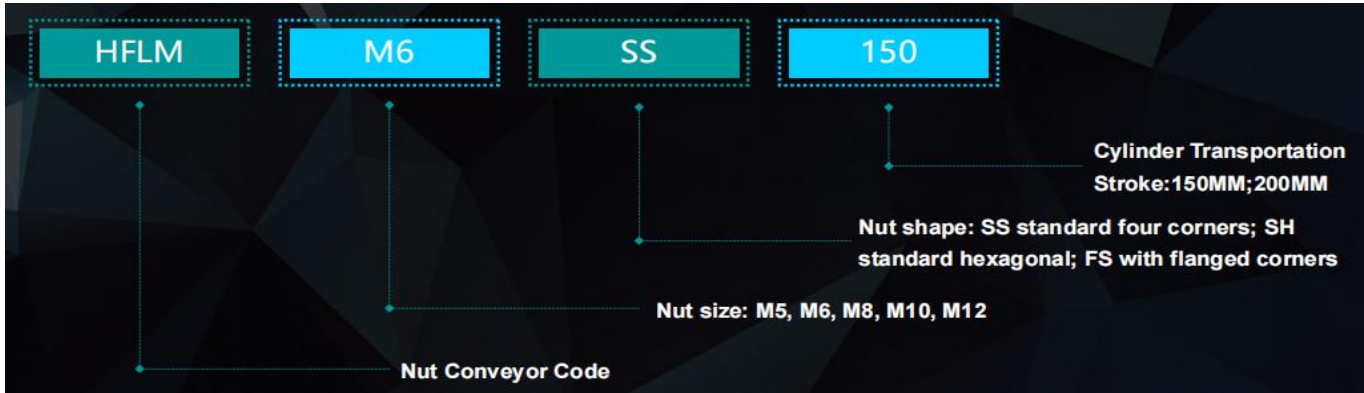
Structural performance characteristics

- ★ Adopt Japanese advanced design technology and manufacturing process
- ★ Anti-reverse Function and Low-Noise Design of the Sieve Machine
- ★ High-speed sorting mode, compatible with high-voltage deviation vibration method and applicable to rust-proof oil-coated nuts. The nut conveying rod is designed with dual sensors for enhanced safety.
- ★ PLC control mode, high scalability, high versatility
- ★ Two ways to choose the supply device, sliding rod type electromagnetic type
- ★ The directional guide bar increases the deviation of the guiding device, and the conveying accuracy rate is more than 99.9%
- ★ Long-life conveying rod design with low conveying friction and minimal wear, reducing operational costs.
- ★ Supports planar positioning of nuts and provides an optional function for independent feeding of two types of nuts.
- ★ The nut conveying gun made of high quality SUS304 stainless steel material and wear-resistant steel has the characteristics of high precision, reliable performance and durability.

Standard Conveyor Parameters Table

Parameters		
Use Power Source	380/220	Standard Configuration Frame PLC Control Box Pneumatic Components Nut Conveying Gun Nut Conveying Pipe Conveying Gun Mounting Bracket Optional Accessories Automatic Feeding Mechanism
Maxi. Input Power	0.35KVA	
Sieve Machine Efficiency	50—80 pcs/Min for single M8 nut	
Nut Size	M5, M6, M8, M10, M12, M716	
Fit Nut Profile	Square nuts, hex nuts (other types available as special specifications)	
Max. Machine Size	510*300*690 mm	
Inlet Tube Size	Φ8	
Compressed Air Pressure	0.5 Mpa	

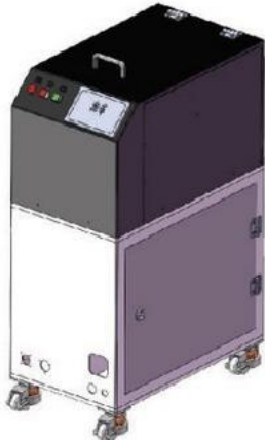
Nut and Screw Conveyor Model



Supporting equipment -Electric nut screw conveyor

Magnetic Sieve Machine

The electric nut and screw magnetic separator is a specialized equipment that uses a motor-driven magnetic suction rotating device to automatically separate, screen, arrange and transport small hardware such as nuts and screws. It is mainly used to screen the correct discharge direction of nuts and screws and transport them to the nut and screw distributor. When the sensor on the nut and screw distributor detects that the nuts and screws are full, it sends a signal to stop the screening of the nut and screw screening disk. When it detects that the nuts and screws are insufficient, it sends a signal to continue the screening of the screw and nut screening disk. It is widely used in the quality control links of production lines in the automotive parts welding field and automotive supporting industries.



Structural performance characteristics

- ★Adopts motor-driven magnetic rotating mechanism to realize automatic separation, sorting and continuous conveying of nuts and screws.
- ★Sorting accuracy reaches up to 99.5%. Stable and reliable sorting performance meets production line quality control requirements.
- ★Applicable to M5–M12 screws & nuts with length 15–40 mm, featuring wide adaptability.
- ★ Fitted with 10L stainless steel hopper for uniform feeding and low blockage risk; feeding speed adjustable via frequency conversion.
- ★ Built-in neodymium magnet rotary magnetic attraction unit. Anti-reverse flow channel automatically identifies material orientation.
- ★ Inclined discharge chute enables sequential one-by-one output relying on material self-weight.
- ★ Equipped with PLC control system and touchscreen; adjustable parameters, real-time status display for easy operation.
- ★ Functions include overload protection, fault alarm and fault code display to guarantee safe operation.
- ★ Compact structure with weight approx. 80 kg. Fitted with casters for easy installation and positioning.
- ★Power consumption ≤ 150 W, controllable operating noise. Works under -20℃ ~ 40℃ multiple working conditions.

Standard Conveyor Parameters Table

Parameters		
Power Supply Voltage	AC 220V±10%50Hz	Standard Configuration Frame PLC Control Box PLC Pneumatic Components Nut Conveying Gun Nut Conveying Pipe Conveying Gun Mounting Bracket
Rated Power	≤150W	
Processing Power	40–60 pcs/min (adjustable according to nut & screw specifications)	
Sorting Accuracy	≥99.5%	
Operating Noise	80dB (sound insulation device optional)	
Applicable Screw Specifications	M5–M12 (Length: 15–40mm)	
Equipment External Dimensions	509*300*850mm (L*W*H)	
Equipment Weight	About 80 kg	
Working Environment Temperatur	-20-40 °C	
Relative Humidity	≤85% (non-condensing)	

Eletric Nut and Screw Conveyor Model



Supporting equipment -Nut testing equipment

Nut Testing Equipment

Nut Welding Anti-Mistake Detection Device – Automatic Robot Operation

- 15 sets of preset conditions for detecting 15 different types of parts.
- Equipped with weld projection detection function, applicable to all existing nuts.
- Detection & judgment implemented during pre-pressing; incorrect nuts will not be welded.
- High resolution of 0.01mm, achieving zero defective welding rate.



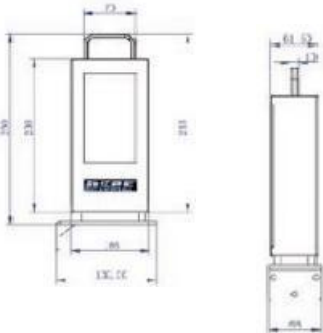
HF02-30D
anti error
detection
controller



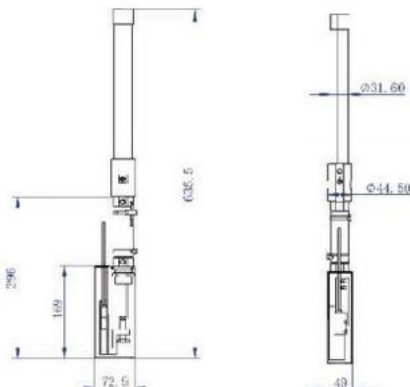
Nut error-proof
eletrode

Dimensions of Nut Detection

The diameter and length of the electrode holder can be customized according to site requirements.



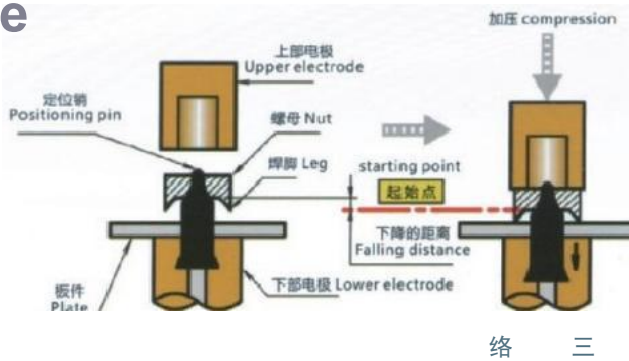
Controller size



Wrong eletrode size

Nut Detection Principle

The welding machine applies pressure; the upper electrode compresses the nut and pushes down the positioning pin. The system reads the travel distance of the positioning pin and compares it with the preset value to verify correct nut placement.



Nut detection schematic diagram

Nut Detection Case

Detection range covers key welding defects such as incorrect nut specifications, abnormal placement status, incorect plate specifications, and electrode loosening.



Nut detection
principle diagram

The overlap of the nut needs to increase the special correspondence of the sensor.

Electrode Parameter Specification

Model	HF-11B
Power Source	24V DC
Connecting Cables	Shielded cable 9018m2, standard length 25m, fitted with NE0510D special connector
Two-position Mode	Cylinder limit controls the extension length of positioning pin to realize alternating operation for nuts of two different specifications
Measurement Accuracy	0.1mm
Maximum Measuring Stroke	45.0mm
Displacement Reading Resolution	0.1mm
Allowable Air Pressure Range	0.4–2 MPa
Size	67×113×(264+electrode length) mm
Weight	Approx. 3.5kg

Controller Parameter Specification

Model	HF02-30B
Power Source	24V DC
Connect Cables	Shielded Cable, 10×0.2mm², Standard Length: 8m
Input Specification	Digital input :8points Rated input voltage :24VDC Rated input current :4.4mA
Output Specification	5A relay output :4 points
Communication Mode	Ethernet interface for communication with standards-compliant devices
Maximum Power Consumption	5.0w
Size	75*49*170 MM
Weight	Approx. 1.5kg

Supporting equipment -Controller



Controller 400A

Controller 800A

Controller 1200A

Other supporting facilities



Water Cooler HF-01



Automatic Grinder



Medium Frequency Suspended
Spot Welding Controller



Robot Spot Welding
Controller



Graphite Electrode



Metal Electrode

Auto Parts Industry

Parts Sample



Typical Customers



Auto Parts Industry

■ Projection Welding Worksataion



Flexible Projection Welding Worksataion



Flexible Projection Welding Worksataion

Auto Parts Industry

■ Projection Welding Worksataion



Robot Projection Welding Worksataion



Automotive Battery Bracket
Spot Welding Workstation



New Energy Vehicle Airbag
Bracket Welding Workstation

Auto Parts Industry

Automotive Shock Absorber Series



Automotive Shock Absorber Seam Welding Machine



Automotive Shock Absorber U-Bracket Welding Machine



Automotive Shock Absorber Bracket Welding Machine



Automated Welding Production Line for Automotive Shock Absorbers



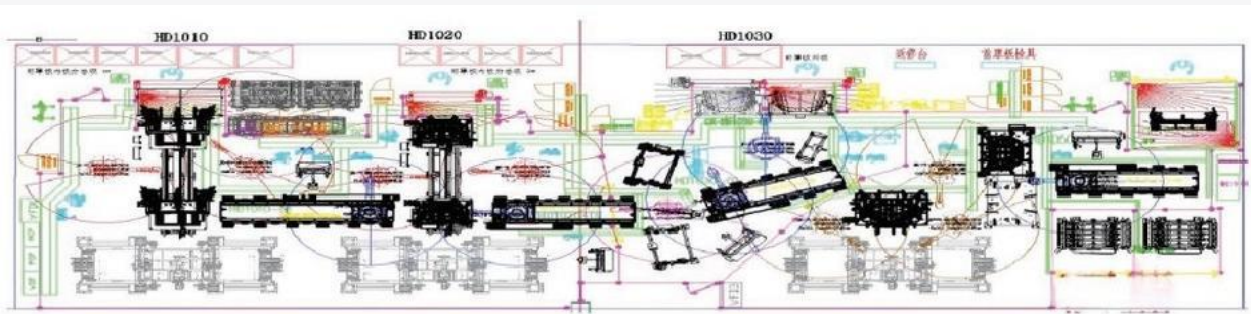
Automotive Shock Absorber Seam Welding Machine



Six-Station Automatic Spot Welding Machine for Automotive Shock Absorber Bracket



Four-Station Automatic Spot Welding Machine for Automotive Shock Absorber Bracket



Design Scheme of Automotive Shock Absorber Production Line

Auto Parts Industry

■ Car seat Series



Seat Angle adjuster double head convex welding machine



Full-automatic seat frame welding machine

■ Automobile gas spring series



Gas spring energy storage welding machine



Gas spring automatic projection welding machine

Auto Parts Industry

■ Car ABC pillar body series



440kva double head medium frequency welding machine



20000J double head energy storage welding machine



200kva medium frequency spot welding machine



20000J double-head energy storage spot projection welding machine

Auto Parts Industry

Car fuel tank series



Tank energy storage welding machine



Tank intermediate frequency welding machine



Automatic seam welding machine for XY platform of automotive fuel tank



Automatic multi-head spot weld machine for automobile oil tank

Auto Parts Industry

Other series equipment



Glass lifter bracket convex welding machine



Oil pan multi spot welding machine



Automotive latch hot riveting machine



Automotive exhaust heat shields welding machine

Auto Parts Industry

Other series equipment



Exhaust Hot-end Oxygen Sensor
Double-head Capacitor Discharge
Welding Machine



Exhaust Hot-end Oxygen
Sensor 3-Station Capacitor
Discharge Welding Machine



Medium Frequency
Double-head Bumper
Projection Welding Machine



6-Station Special Nut
Projection Welding
Machine for Bumper Bracket

Auto Parts Industry

Other series equipment



Magnetic Pole Housing
Capacitor Discharge
Projection Welding Machine



Special Nut
Projection
Welding Machine

Spot Welding Station



Aluminum Plate Spot Welding Workstation

New Energy Industry

Battery Sample



Electronic Control Sample



Motor Sample



Typical Customers



New Energy Industry

Battery Series Equipment



Automatic spot weld machine
for battery shell plate



Aluminum Busbar
Welding Machine

Electric Control Series Equipment



Motor terminal
welding machine



Semi-automatic welding
machine for wire harness terminal



Special machine for
welding motor terminals



New Energy Industry

■ Motor Series Equipment



Motor pole shoe automatic projection welding machine



Motor pole shoe automatic projection welding machine



Motor pole shoe convex welding machine



Double-head motor lead wire automatic clamping welding machine

Low-Voltage Electrical Industry

■ Relay Samples



■ Silver Contact Samples



■ Typical Customers



Low-Voltage Electrical Appliance Industry

■ Relay Series Equipment



Frame Busbar
Welding Machine



Multi-strand Copper Braided Wire
Squaring Machine



Copper Braided Wire Lap
Welding Machine



Copper Braided Wire
Squaring Machine

■ Relay Series Equipment



Copper Wire Squaring
& Welding Machine



Double-station Copper Braided Wire Squaring
& Lap Welding Integrated Machine

■ Relay Series Equipment



Servo Silver Contact
Welding Machine



Automatic Silver Contact
Welding Machine

Low-Voltage Electrical Appliance Industry

Silver Contact Series Equipment



Silver Contact Automated Production Line



Silver Contact Automated Production Line - Customer Site

Home Appliance Industry

Compressor Samples



Other Home Appliance Samples



Typical Customers



Home Appliance Industry

Air Conditioning Compressor Series Equipment



Air Conditioning Compressor Double Support Welding Special Machine

Air Conditioning Compressor Double-Station Seat Ring Welding Special Machine

Air Conditioning Compressor Terminal Post Welding Special Machine



Air Conditioning Compressor Foot Welding Machine



Air Conditioning Compressor Three-Station Lifting Lug Welding Machine



Air Conditioning Compressor Four-Station Lifting Lug Welding Machine

Refrigerator Compressor Series Equipment



Refrigerator Compressor Terminal Post Welding Machine



Refrigerator Compressor Shell Support Foot Welding Machine



Refrigerator Compressor Bracket Welding Machine



Refrigerator Compressor Copper Pipe Projection Welding Machine

Home Appliance Industry

Other Home Appliance Series Equipment



Automatic spot welding machine for range hood



Microwave energy storage welding machine



Plate radiator seam welding machine



Automatic screen cover welding machine



CNC dishwasher seam welding machine

Electric Energy Storage Industry

Power Bus / CCS Sample



Customized Special Plane



Horizontal high power diffusion welding machine



Dual power supply aluminum diffusion welding machine

Typical Customers



5G Communication Industry

VC Equaizing Plate Sample



Automation Welding Machine



VC Heat Sink Automatic
Welding Machine

VC Uniform Temperature Plate
Automatic Welding Machine

VC Heat Sink Automatic
Welding Machine

Typical Customers



Hardware and Other Industries

Hardware Sample



Typical Customers



Hardware and Other Industries

Special Aircraft Series



Elevator double head spot welding machine



Four head projection welding machine



Customized medium-frequency energy storage welding machine



Six-head medium-frequency spot welding machine



High pressure inflatable cabinet spot welding machine



Furniture support automatic welding machine



Special machine for roll welding of corrugated pipes



Automatic spot welding machine for heat exchanger plates