XINZHOU RESISTANCE WELDER

XINZHOU RESISTANCE WELDER

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NINGBO XINZHOU RESISTANCE WELDER CO.,LTD

Ningbo Xinzhou Resistance Welder Co., Ltd, established in 1998, is a national new and hi-tech enterprise which is devoted to design and produce special serial resistance welding equipment, such as serial steel bar truss welding production line, fully-automatic steel bar mesh welding production line, medium-frequency steel grating welding production line, mesh welder, spot welder, butt welder, seam welder, multi-spot welder and so forth, and it is the largest resistance welder manufacturer in Zhejiang Province.

Currently, there is a building area up to 16000m^2 for the Company, where 120 employees are available, of whom there are 38 persons (college degree or more), covering 31.6% of the total employees in the Company, 15 R&D personnel, covering 12.5% of the total, and the R&D Center has possessed a high-level R&D and technical management team. The Company, which has been awarded municipal-level R&D Center, has increased corresponding scientific and research testing equipment and relevant technicians. The Center has such testing equipment as welding monitoring instrument, three-coordinate measuring apparatus, waveform tester, etc, so that its R&D capacity and product quality are improved increasingly.

The Company has established selling and after-sales offices in main regions in China, such as Jiangsu, Fujian, Shandong, Henan, Chongqing, Shenyang, Liaoning and so on. Furthermore, the Company has passed ISO9001 quality system certification and 3C compulsory certification. Additionally, it has also been recognized as national new and hi-tech enterprise, municipal-level engineering center, municipal-level normative patent enterprise, double-ten engineering new and hi-tech growth enterprise, technological innovation enterprise and other honors. Our products have successively awarded National Innovative Fund Prize, Zhejiang First Set (Suit) Prize, Ningbo Key New Industrial Product, Yinzhou District "Hundred Best Ideas" Excellent Prize for Energy Saving and Consumption Reduction, etc.

Industrial Classics

BigShot Style

SALES NETWORK

BASED ON THE MARKET HARD SERCIVE

The market can only truly be wined by standing at the customer's perspective.

Adhere to the market as the center, to serve as the guide, takes the network as the basis, taking the brand as the core, the management system with overall coordination, efficient sales and service network system has rapidly formed in Xinzhou.

Experiencing so many frustrations and tribulations, we have ultimately acquired thimbleful successes,

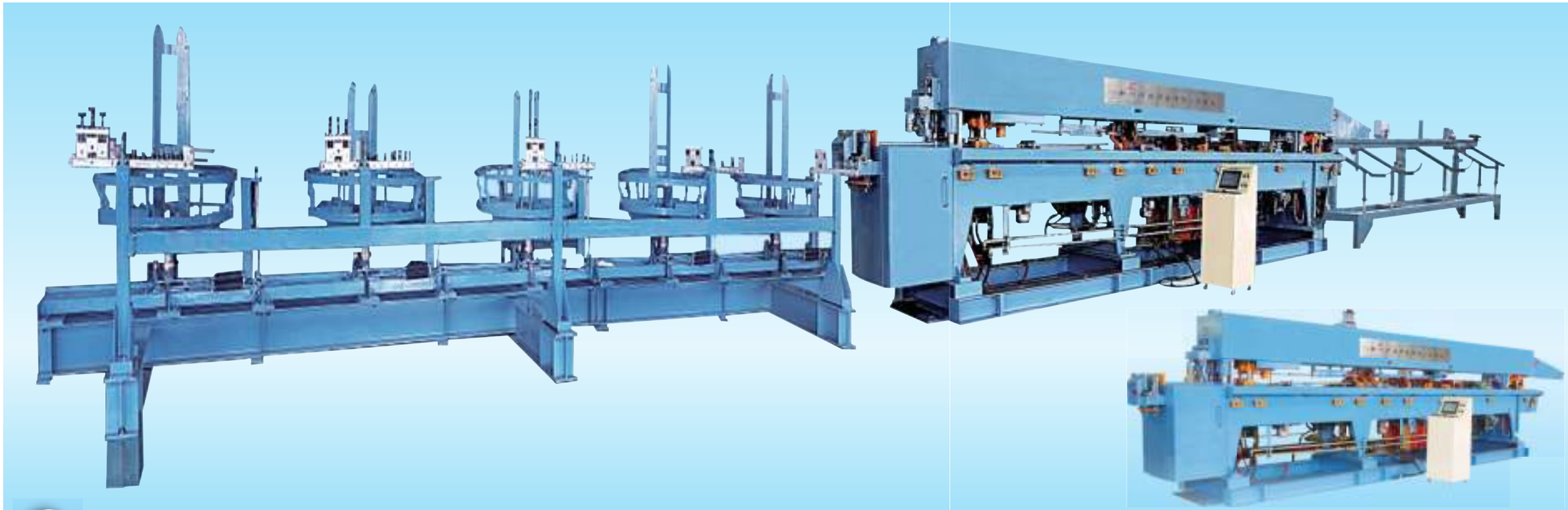
Only each business initiator who has been devoted in businesses can experience such deep feel:

Xinzhou employees in the 21st Century have focused on a new scratch line to ceaselessly purse the next brilliance…

XINZHOU RESISTANCE WELDER

No pains, no gains! Xinzhou Resistance Welder wins unanimous favorable comments in the society and the recognition of customers with high quality products and good reputations.

XHJ-350 Fully-automatic Steel Bar Truss Welding Production Line (Wave Crest 190-210 Adjustable)
XINZHOU RESISTANCE WELDER



XHJ-350 Fully-automatic Steel Bar Truss Welding Production Line (Wave Crest 190-210 Adjustable)

This equipment is a special device for steel bar truss production line and mainly used for welding trusses, with main components as follows:

1. Feeding mechanism
2. Straightening mechanism
3. Main frame (including welding part)
4. Blanking device
5. Hydraulic system
6. Cooling system
7. Control system

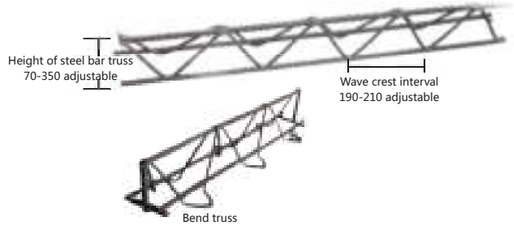
And other components

As the picture indicated, this equipment has advantages such as reasonable structure, easy operation, beautiful appearance, etc.

PVC truss

Truss floor board

Railway sleeper industry



- **Wave crest interval: 190-210mm adjustable (No manual cutting is required)**
- **Truss height: 70-350mm adjustable**
- **Base angle: 65-100mm adjustable**

Main technical parameters

Rated power	3 x 250kw
Power supply	380V 50Hz
Number of power phases	Three phase four cable
Load duration rate	20%
Air source pressure	0.6-0.8MPa
Cooling liquid flow	> 150L/min
Cooling liquid temperature	≤30℃
Dimension	39.4m x 4.4m x 3.3m
Oil pressure	7-11MPa
Truss height	Straight pediform 70-350mm , Bend pediform 70-320mm
Wave crest interval	190-210mm adjustable (without blanking)
Wave wire diameter	Φ4-8mm (round steel)
Main wire diameter	Φ8-16mm
Maximum welding velocity	12m/min
Diameter of lower chord wire	Φ6-16mm

XHJ-270 Fully-automatic High Speed Steel Bar Truss Welding Production Line
XINZHOU RESISTANCE WELDER

XHJ-270 Fully-automatic High Speed Steel Bar Truss Welding Production Line

Design Concept

With the high speed development of infrastructure construction, the construction quality and building safety have become the focuses concerned by the society and the problems highly regarded by the government.

In order to improve the construction quality and safety of each building, foreign advanced technologies and concepts are introduced for manufacturing steel bar trusses in this industry. This equipment has wide realistic significances in the building industry, regarding reduction of building cost, shortening of construction period, effective resolution of insufficient skilled labors and nonstandard field artificial binding quality and other problems.

The steel bar truss welding production line is used to weld truss products, the steel bar binding work reduces greatly during construction in comparison with that before so as to decrease the labor cost; and to considerably shorten the construction time and play the role of millstone in using irreplaceable product modular transformation equipment for today building engineering.

Our company has the confidence in the market prospect, has firmly seized development opportunities, established professional technical teams, accumulated a lot of experience in equipment welding, researched and developed XHJ-27 new fully-automatic welder for high speed truss based on the independent design of XHJ-350 fully-automatic truss welder.

Features

- The operation of complete machine conforms to the humanized design concept, specific parameters for truss product are input on the human-machine interface, PLC is controlled by the CPU, with high automaticity and excellent anti-interference.
- Welding positions adopt patent bonding tools developed independently by our company to improve the utilization rate of bonding tools and reduce user’ s production cost.
- The energy welding output of bonding tools adopts the form of spot-to-spot to ensure the welding quality of this spot and the convenient commissioning.
- An open installation is adopted for the hydraulic system to benefit the maintenance and reduce the leakage phenomenon of hydraulic system.
- Transformer welding and bonding tool water-cooling system adopt the “Chen Style Water Circulation Cooling Method” which is a patent technology in our company so that the complete machine can run safely and reliably in a long period of time.
- A connecting rod mechanism is adopted for the bend wave position, which can convey accordant curved steel bars continuously at a high speed.
- A servo positioning system is adopted for unloading ordering position to order pile codes trimly.

Main technical

Working pressure	380V 50Hz
Number of working phases	Three phase four cable
Welding power	4×250kVA
Motor power	90kVA
Air source pressure	0.6-0.8MPa
Cooling liquid temperature	≤30℃
Cooling flow	>150L/min
Hydraulic flow for the system	120L/min
Hydraulic pressure for the system	<20Mpa
Truss height	Straight pediform 70-270mm; bend pediform 70-220mm

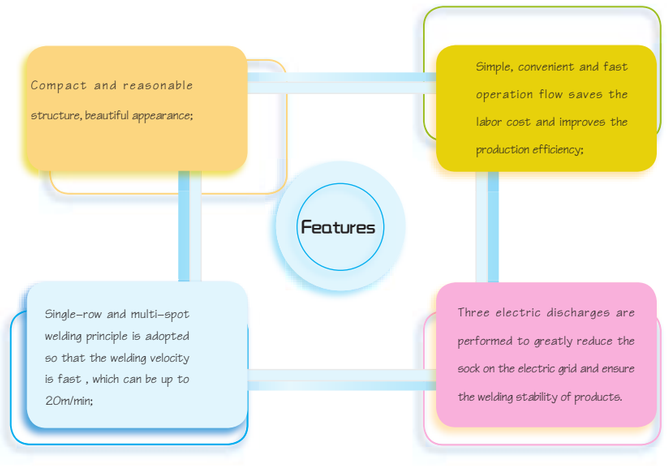
Truss length	2000mm-12000mm
Truss interval	200mm
Protective layer	0mm, 15mm, 30mm
Section cutting shears	200 integral times
Diameter of upper chord bar	Φ8mm -12mm
Diameter of lower chord bar	Φ6mm – 12mm
Diameter of wave wire	Φ4mm – 6mm
Operating speed	Stepless speed adjustment, 24m/min at most, Stepless speed adjustment.

DN3-6×100-576/600 Steel Truss Decking Plate Welding Machine
XINZHOU RESISTANCE WELDER

DN3-6×100-576/600 Steel Truss Decking Plate Welding Machine

Design Concept

This equipment is specially designed and developed on the basis of greatly improving steel formwork welding stability, reducing the machine volume and improving the production efficiency. It is composed of conveying roller table, resistance welder (containing cooling system), control system and other components and mainly used to weld steel bar truss and galvanized sheet, iron plate and other steel formworks and produce auxiliary steel bar trusses in the building industry. A manual control combined with automatic control is adopted for the whole production line: artificially put steel formworks and trusses in place and perform the first spot welding, afterward, with the forward propulsion of steel formworks and trusses forward, all welding work shall be completed automatically by this equipment.



Main Technical Parameters

Rated power	6×100kWA
Power supply	380V 50Hz
Number of power phases	Three phase four cable
Load duration rate	20%
Air source pressure	0.6-0.8MPa
Cooling liquid flow	40L/min
Cooling liquid temperature	≤30℃
Overall reference size of equipment	32m×1.3m×2m
Effective module welding width	576/600mm
Length of conveyor support	2×12m
Width of conveyor support	700mm
Conveying velocity	15m/min

GWC-A Special Automatic Steel Bar Mesh Welding Production Line
XINZHOU RESISTANCE WELDER

Automatic Steel Bar Mesh Welding Production Line GWC-A (A series)

GWC-A-3300	GWC-A-2800	GWC-A-2400
GWC-A-2100	GWC-A-1600	GWC-A -1200

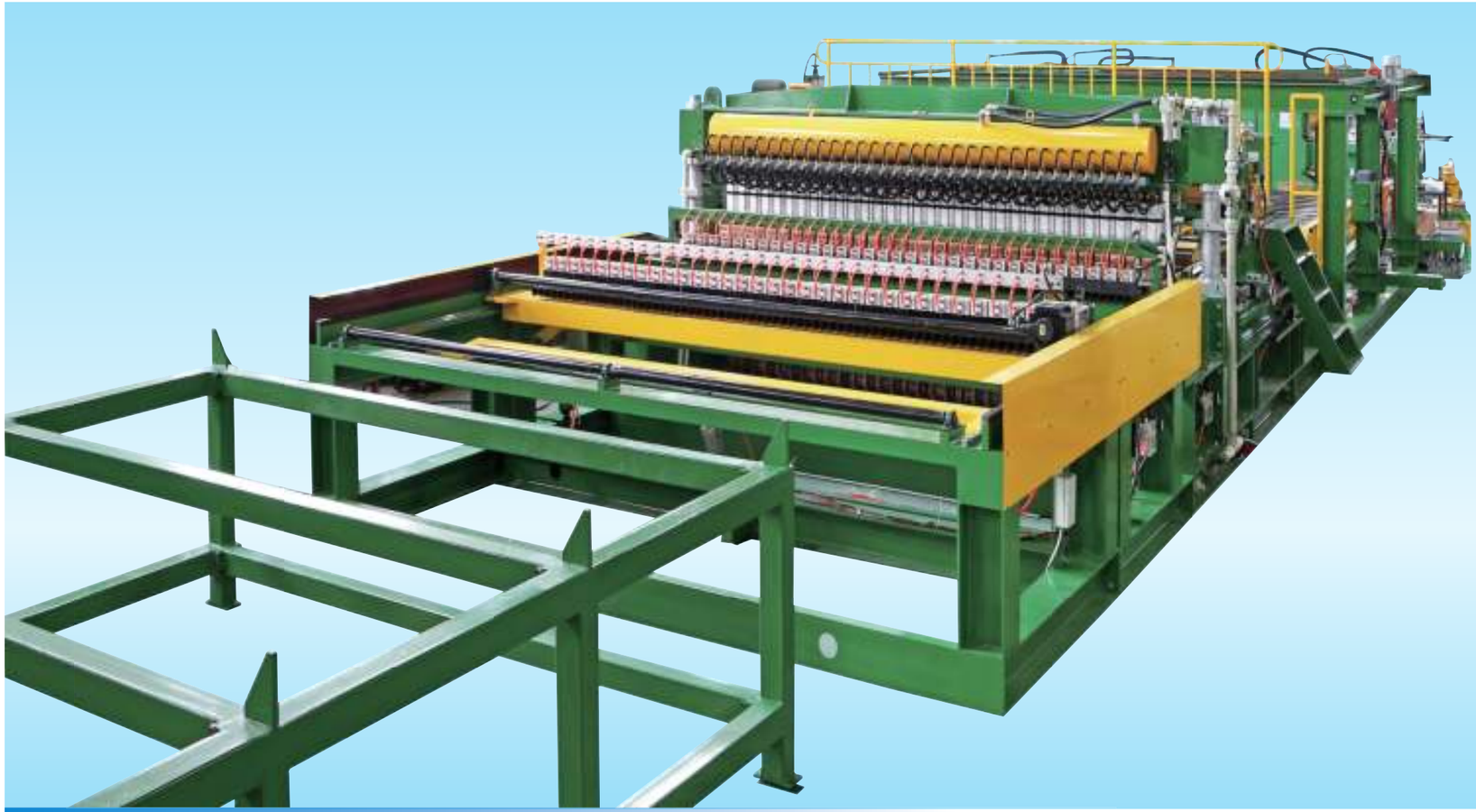
GWC-A Special Automatic Steel Bar Mesh Welding Production Line

Main Technical Parameters

Power supply	380V 50Hz
Number of power phases	Three phase four cable
Load duration rate	20%
Air source pressure	0.6-0.8MPa
Cooling liquid flow	40-80L/min
Cooling liquid temperature	≤30℃
Maximum welding capacity	Φ12mm+Φ12mm
Interval of longitudinal bars	50mm (50 increasing)
Diameter of steel bar	Φ4-12mm
Feeding mode	Vertical stripe
Unloading mode	Unloaded by unloading machine
Welding velocity	50-70 rows/min

Rated power	GWC-A-3300	16×100kVA
	GWC-A-2800	14×100kVA
	GWC-A-2400	12×100kVA
	GWC-A-2100	10×100kVA
	GWC-A-1600	8×100kVA
	GWC-A-1200	6×100kVA

GWC-B Special Automatic Steel Bar Mesh Welding Production Line
XINZHOU RESISTANCE WELDER



GWC-B Special Automatic Steel Bar Mesh Welding Production Line (B series)

Main Technical Parameters

Welding velocity	50-70 times/min
Single maximum stepping distance	3000mm
Preload stepping distance	2800mm
Interval of longitudinal bars	≥50mm (increasing) manual adjustment
Interval of furring strips	≥50mm computer setting
Diameter of longitudinal bar	Φ4-12mm
Diameter of furring strips	Φ4-12mm
Maximum welding capacity	Diameter Φ12mm+Φ12mm
Welding material	Ribbed bar, rustless round steel surface, non-lime drawing agent
Longitudinal bar feeding mode	Labor + pre-feeding
Furring strips feeding mode	Precut material /automatic blanking (diameter 2mm/M
Power voltage	380+10%
Air source voltage	0.6-0.8MPa
Cooling water pressure	0.3MPa

Rated power	GWC-B-3300	16×100kVA
	GWC-B-2800	14×100kVA
	GWC-B-2400	12×100kVA
	GWC-B-2100	10×100kVA
	GWC-B-1600	8×100kVA
	GWC-B-1200	6×100kVA

GWC-C Special Fully-automatic Steel Bar Mesh Welding Production Line
XINZHOU RESISTANCE WELDER

GWC-C Special Fully-automatic Steel Bar Mesh Welding Production Line

GWC-C Automatic Steel Bar Mesh Welding Production Line (C series)

- GWC-C-3300
- GWC-C-2800
- GWC-C-2400
- GWC-C-2100
- GWC-C-1600
- GWC-C-1200

Main Technical Parameters

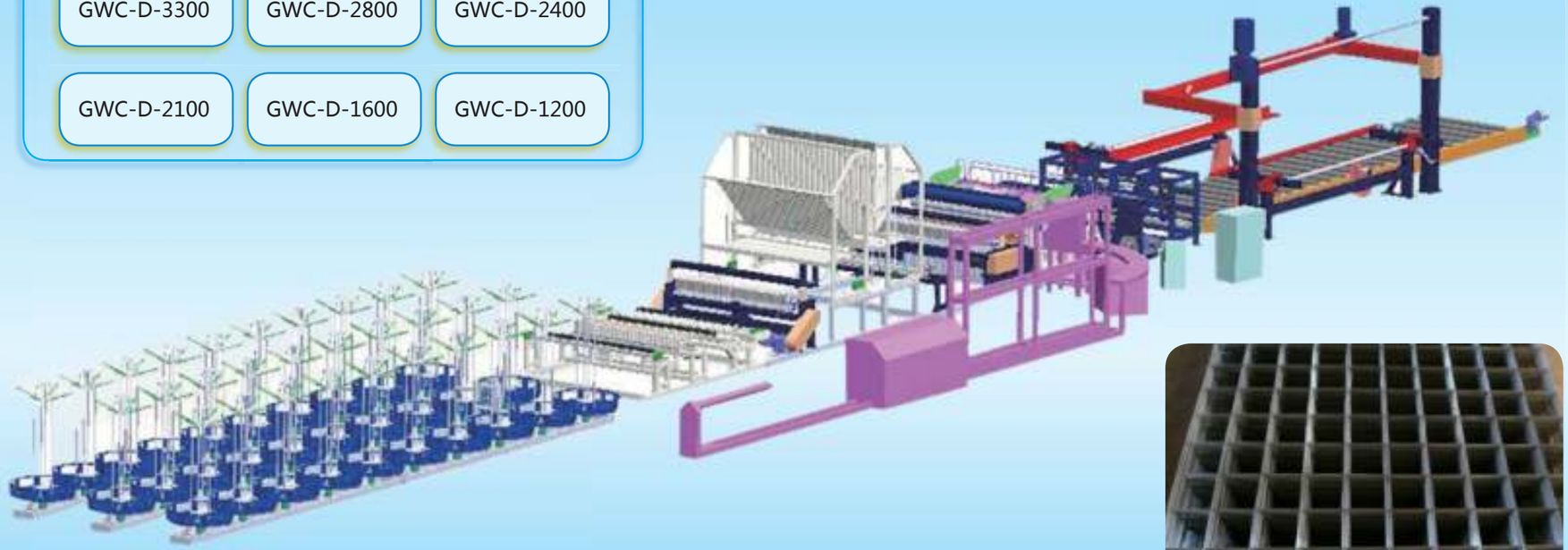
Power supply	380V 50Hz
Number of power phases	Three phase four cable
Load duration rate	20%
Air source pressure	0.6-0.8L/min
Cooling liquid flow	40-80L/min
Cooling liquid temperature	≤30℃
Maximum welding capacity	Φ12+Φ12mm
Interval of longitudinal bars	50mm (increase by every 50mm)
Interval of furring strips	≥50mm stepless adjustable
Diameter of steel bar	Φ6-12mm
Feeding mode	Furring strips: vertical stripe;
Unloading mode	Unloaded by unloading machine
Maximum welding velocity	50-90 rows/min

Rated power	GWC-C-3300	16×100kVA
	GWC-C-2800	14×100kVA
	GWC-C-2400	12×100kVA
	GWC-C-2100	10×100kVA
	GWC-C-1600	8×100kVA
	GWC-C-1200	6×100kVA

GWC-D Special Fully-automatic Steel Bar Mesh Welding Production Line
XINZHOU RESISTANCE WELDER

GWC-D Automatic Steel Bar Mesh Welding Production Line (D series)

- GWC-D-3300
- GWC-D-2800
- GWC-D-2400
- GWC-D-2100
- GWC-D-1600
- GWC-D-1200



GWC-D Special Fully-automatic Steel Bar Mesh Welding Production Line

Design Concept

The special fully-automatic steel bar mesh welding production line is mainly used to weld special meshes such as building mesh, guardrail mesh and so on, with specifications of welding materials and meshes as follows

1. Material specifications: 4-12mm round steel or twisted steel.
2. Mesh specifications: interval of furring strips: ≥50mm stepless adjustable; interval of longitudinal bars: 50mm increasing.

With the rise of material prices, labor and production costs, it is especially important to improve the degree of automation for this equipment.

In order to resolve the problems above, our company has specially designed and developed steel bar wielding to improve the production efficiency and save costs.

主要技术参数

Power supply	380V 50Hz
Number of power phases	TThree phase four cable
Load duration rate	20%
Air source pressure	0.6-0.8L/min
Cooling liquid flow	40-80L/min
Cooling liquid temperature	≤30℃
Maximum welding capacity	Φ12+Φ12mm
Interval of longitudinal bars	Diameter of steel barΦ8-12mm: ≥100mm (increase by every 50mm)
	Diameter of steel barΦ4-6mm: ≥50mm (increase by every 50mm)
Interval of furring strips	≥50mm stepless adjustable
Diameter of steel bar	Φ4-12mm
Feeding mode	coils material auto feeding
Unloading mode	Unloaded by unloading machine
Maximum welding velocity	50-90 rows/min

Rated power	GWC-D-3300	16×100kVA
	GWC-D-2800	14×100kVA
	GWC-D-2400	12×100kVA
	GWC-D-2100	10×100kVA
	GWC-D-1600	8×100kVA
	GWC-D-1200	6×100kVA

Features

◆Steel bar straightening mechanism: longitudinal bars are straightened by preform through straightening mechanism, with high degree of automation and high production efficiency;

◆ Furring strips straightening and blanking mechanism: furring strips are straightened directly by preform through straightening mechanism and then delivered to the blanking mechanism, with high degree of automation;

◆ Longitudinal bar stepping mechanism: PLC+ Touch screen+ Servo motor control, accurate product welding and small error;

◆ Welding mainframe: the mainframe is firm and reliable, beautiful and decent; the mainframe is equipped with several 100KVA AC transformers; which can realize one-off welding of wire meshes and improve the welding efficiency;

◆ This production line can control any cylinder welding action and adapt to wire meshes with multiple specifications. The good cooling effect reduces the welding calorification and improves the equipment quality;

◆ Unloading mechanism: meshes which have been welded are taken out by unloading mechanism for piling so as to improve the degree of automation for this equipment and save labors;

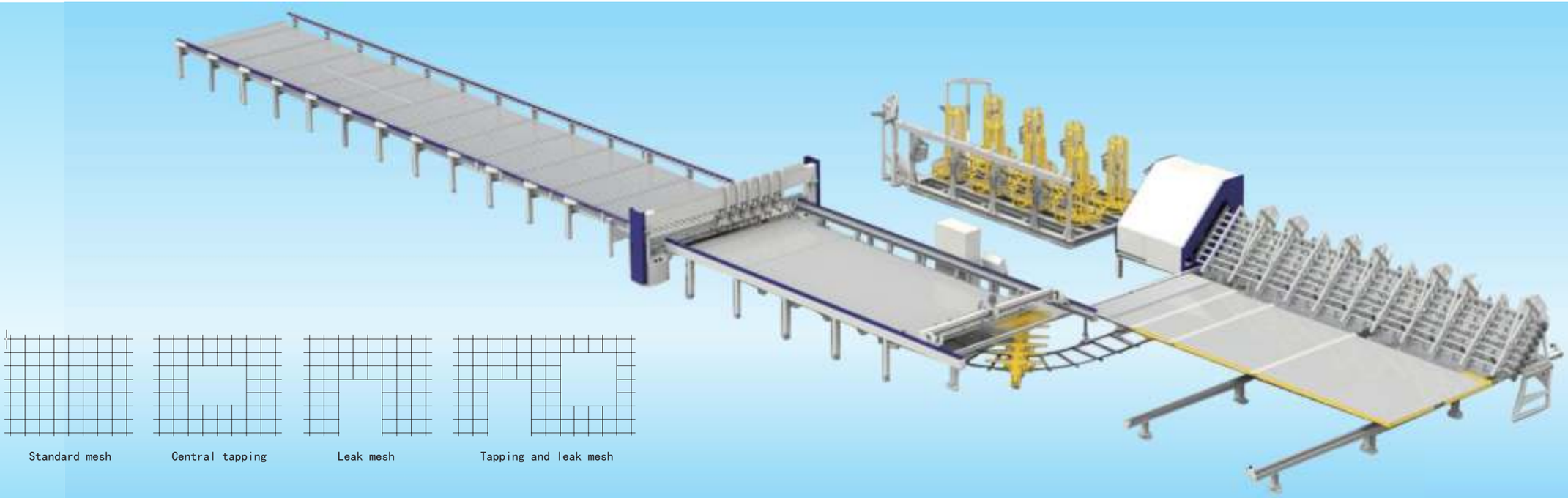
◆ Cutting mechanism: automatic cutting according to desirable lengths of wire meshes;

◆ Roller conveying mechanism: meshes which have been piled are conveyed to the lifting area to avoid manual handling and improve the degree of automation;

◆ Inspection system: furring strips are set with in-situ inspection to avoid any welding omission and ensure the quality of meshes;

◆ Electrical control system: various electrical elements are controlled by touch screen and PLC, so as to reasonably arrange welding time, control welding actions, ensure welding efficiency and improve welding accuracy.

GWC-D-4000 Flexible Steel Bar Mesh Welding Production Line
XINZHOU RESISTANCE WELDER



GWC-D-4000 Flexible Steel-bar Mesh Welding Production Line

Main Technical Parameters

Maximum width of welded mesh		4000mm
Maximum length of welded mesh		9000mm
Minimum length of welded mesh		1200mm
Interval of longitudinal bars		50mm increasing exponentially
Interval of furring strips		≥40mm
Diameter of steel bar		Φ6-12mm
Minimum length of steel bar		500mm
Maximum welding capacity		Φ12mm + Φ12mm
Welding material		Ribbed bar, rustless round steel surface, non-lime drawing agent
Feeding mode		coils material auto feeding
Power	Transformer	4×150kVA
	Other	110kVA
Power voltage		380V+10%
Air source pressure		0.6-0.8MPa 0.6m3/min
Cooling water pressure		0.3MPa 40L/min

Design Concept

GWC-D Fully-automatic flexible steel bar mesh welding is a fully-automatic metal mesh production line which is independently developed by our company on the basis of foreign advanced industrial control technologies.
Features:
1. With high degree of automation, the built-in production flow control system can program automatically according to CDA figure to weld various shapes (tapping or gap) of steel bar meshes.
2. This welder can be used to weld many materials with wide adaptability, such as hot-rolled ribbed bar, cold-rolled ribbed bar, optical-rolled plain bar, cold-rolled plain bar and so on.
3. This welder can accept data input from external CAD/CAM, and integral function of error diagnosis and positioning.
4. The machine set is designed with a discerptible structure in order for specification adjustment and maintenance.
5. The welding of meshes is completed by welding manipulator and controlled by computer, which can not only ensure the accuracy of the production flow but also save energy.
6. Modular concept is adopted and mesh welding system can be designed and upgraded gradually according to personal needs to meet the requirements for increasing renewal.
7. Welding pressure must be uniform to ensure the quality of all welding spots.
8. Longitudinal bars and furring strips are straightened by round preforms through straightening mechanism without straightening device otherwise equipped.
9. Unique welding mechanism can break away from the electrode during dragging wire meshes to ensure the service lifetime of electrode and reduce the operation expense.
10. The straightening mechanism can manufacture two steel bars simultaneously and no shutdown is required during replacement of steel bars, and the same mesh can be equipped with different diameters of steel bars for welding.
11. Imported digital servo motor system ensures the accuracy of mesh size.

GWC-C-500 Autoclaved Aerated Concrete Slab Mesh Welding Production Line
XINZHOU RESISTANCE WELDER

120 slabs /min (interval: 50) at most
10 meshes / min (2m long)
High degree of automation, only requiring one person who operates the welder

GWC-C-500 Autoclaved Aerated Concrete Slab Mesh Welding Production Line

Design Concept

The complete welder is controlled by human-machine interface and PLC programming controller, with high degree of automation;
It can used to weld many materials with wide adaptability, such as hot-rolled ribbed bar, cold-rolled ribbed bar, hot-rolled plain bar, cold-rolled plain bar and so on;
One or time-based welding is adopted with great flexibility according to user’ s electric capacity;
The machine set is designed with a discerptible structure in order for specification adjustment and maintenance;
Welding systems, such as transformer, upper and lower electrodes of controllable silicon, are cooled forcibly by water and equipped with a flow protection device so that the machine set works reliably and continuously;
Stepless adjustable pressure of pneumatic welding system can fast respond any change of steel bar specifications.
Welding pressure is uniform and accordant to ensure the quality of all welding spots.
Longitudinal bars are straightened by round preform through straightening mechanism without straightening device otherwise equipped;
Unique lifting mechanism can break away from the electrode during dragging meshes to ensure the service lifetime of electrode and reduce the operation expense;
Imported digital servo motor system can ensure the accuracy of mesh size;
Longitudinal mesh size can be changed by screen input to adapt to the changes of many engineering mesh specifications;
Magnetic swinging mechanism is equipped at the blanking place of furring strips in order for fast blanking speed and high production efficiency;
An in-situ device is equipped at the electrode to ensure the reliable and accurate blanking of furring strips;
The unique design is favorable to conveniently, flexibly and fast replace steel bars or steel meshes.

Main Technical Parameters

Power supply	380V 50Hz
Number of power phases	Three phase four cable
Load duration rate	20%
Air source pressure	≥0.7MPa
Cooling liquid flow	20-30L/min
Cooling liquid temperature	≤30℃
Maximum welding capacity	Φ6mm+Φ8mm
Interval of longitudinal bars	50mm (cincrease by every 50mm)
Interval of furring strips	≥25mm stepless adjustable
Diameter of steel bar	Longitudinal bar: Φ4-8mm, furring strips: Φ4-6mm
Feeding mode	Longitudinal bar: preform; furring strips: vertical stripe
Maximum welding velocity	100 rows/min (interval: 50)
Production capacity	40m^3 100×600×3300mm
Rated power	2×150kVA

GWC-B-500×2 B-typed Biplate Autoclaved Aerated Concrete Slab Mesh Welding Production Line
XINZHOU RESISTANCE WELDER

生产效率：8片/min（2米长）
自动化程度高仅需1-2人操机

GWC-B-500×2 (Biplate Autoclaved Aerated Concrete Slab Mesh Welding Production Line)

Design Concept

With the use of steel bar meshes in the building industry, the demands for meshes rise increasingly, which is a challenge for production efficiency of meshes. In order to resolve this difficulty, our company has developed an automatic steel bar mesh welder. Key R&D contents: longitudinal bars are directly welded after straightening; fast feeding of furring strips.
Objective: production automation of steel bar meshes.

Main Technical Parameters

Power supply	380V 50Hz
Number of power	Three phase four cable
Load duration rate	20%
Air source pressure	0.6-0.8MPa
Cooling liquid flow	40-60L/min
Cooling liquid	≤30℃
Maximum welding	Φ6mm+Φ8mm
Interval of	50mm (increase by every 50mm)
Interval of furring	≥25mm stepless adjustable
Diameter of steel	Φ6-Φ8 (longitudinal bar: Φ4-8mm, furring strips: Φ4-6mm
Feeding mode	Longitudinal bar: preform; furring strips: vertical stripe
Unloading mode	Unloaded by unloading machine
Maximum welding	95 rows/min (interval: 50)
Rated power	4×150kVA

Features

- With high production efficiency, two meshes can be welded simultaneously;
- The complete welder is controlled by human-machine interface and PLC programming controller, with high degree of automation;
- This welder can be used to weld many materials with wide adaptability, such as hot-rolled ribbed bar, cold-rolled ribbed bar, hot-rolled plain bar, cold-rolled plain bar and so on;
- One or time-based welding is adopted with great flexibility according to user’ s electric capacity;
- The machine set is designed with a discerptible structure in order for specification adjustment and maintenance;
- Welding systems, such as transformer, upper and lower electrodes of controllable silicon and so on, are cooled forcibly by water and equipped with a flow protection device so that the machine set works reliably and continuously;
- Stepless adjustable pneumatic welding system pressure can fast respond any change of steel bar specifications;
- Welding pressure is uniform and accordant to ensure the quality of all welding spots;
- The unique lifting mechanism can break away from the electrode during dragging meshes to ensure the service lifetime of electrode and reduce the operation expense;
- Furring strips blanking device adopts a stepping motor for automatic feeding to relieve the labor intensity and improve the efficiency;
- Imported digital servo motor system can ensure the accuracy of mesh size;
- Longitudinal mesh size can be changed by screen input to adapt to any change of multi-specification engineering meshes.
- A magnetic swinging mechanism is equipped at the blanking place of furring strips in order for fast blanking speed and high production efficiency;
- An in-situ device is equipped at the electrode to ensure the reliable and accurate blanking of furring strips;
- The unique design is favorable to conveniently, flexibly and fast replace steel bars and steel meshes.

GWC-C-500×2 C-typed Biplate Autoclaved Aerated Concrete Slab Mesh Welding Production Line
XINZHOU RESISTANCE WELDER

生产效率：16片/min（2米长）
自动化程度高仅需1人操机

GWC-C-500×2 (Biplate Autoclaved Aerated Concrete Slab Mesh Welding Production Line)

Design Concept

With the use of steel bar meshes in the building industry, the demands for meshes rise increasingly, which is a challenge for production efficiency of meshes. In order to resolve this difficulty, our company has developed an automatic steel bar mesh welder. Key R&D contents: longitudinal bars are directly straightened and welded by round preforms; fast feeding of furring strips.
Objective: production automation of steel bar meshes.

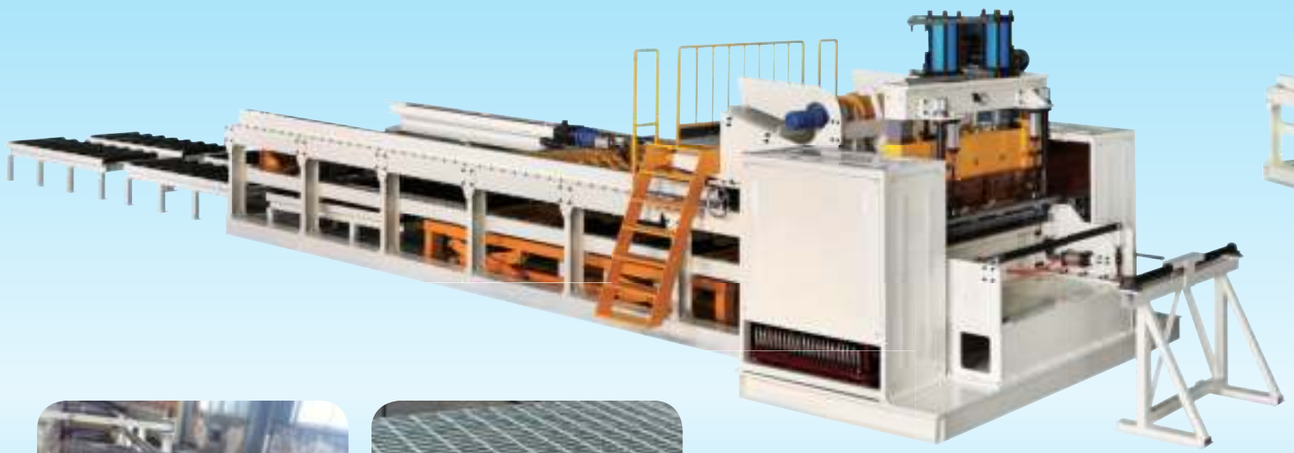
Main Technical Parameters

Power supply	380V 50Hz
Number of power phases	Three phase four cable
Load duration rate	20%
Air source pressure	0.6-0.8MPa
Cooling liquid flow	40-60L/min
Cooling liquid temperature	≤30℃
Maximum welding capacity	Φ6mm+Φ8mm
Interval of longitudinal bars	50mm (increase by every 50mm)
Interval of furring strips	≥25mm stepless adjustable
Diameter of steel bar	Φ6-Φ8mm (longitudinal bar: Φ4-8mm, furring strips: Φ4-6mm round steel or twisted steel)
Feeding mode	Longitudinal bar: preform; furring strips: vertical stripe
Unloading mode	Unloaded by unloading machine
Maximum welding velocity	95 rows/min (interval: 50)
Rated power	4 x150KVA

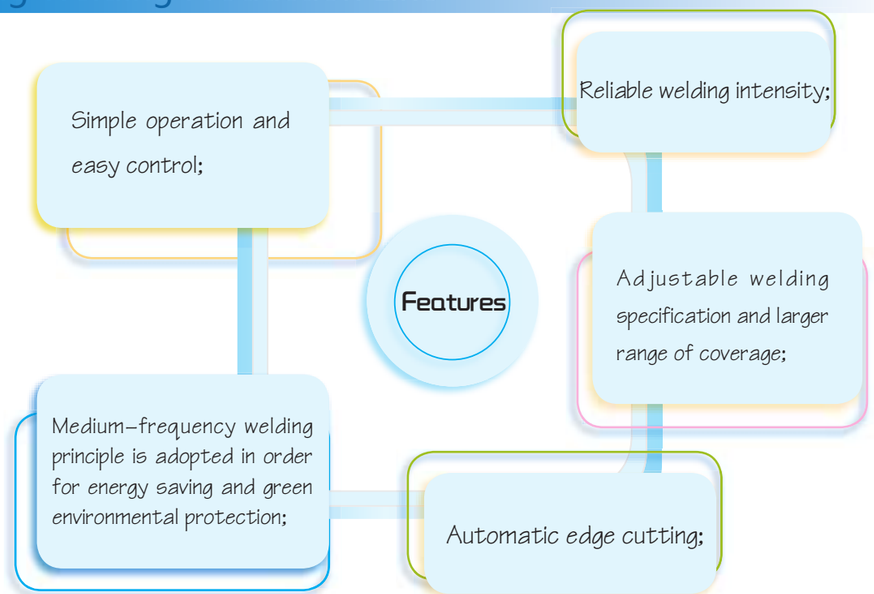
Features

- With high production efficiency, two meshes can be welded simultaneously;
- The complete welder is controlled by human-machine interface and PLC programming controller, with high degree of automation;
- This welder can be used to weld many materials with wide adaptability, such as hot-rolled ribbed bar, cold-rolled ribbed bar, hot-rolled plain bar, cold-rolled plain bar and so on;
- One or time-based welding is adopted with great flexibility according to user’ s electric capacity;
- The machine set is designed with a discerptible structure in order for specification adjustment and maintenance;
- Welding systems, such as transformer, upper and lower electrodes of controllable silicon and so on, are cooled forcibly by water and equipped with a flow protection device so that the machine set works reliably and continuously;
- Stepless adjustable pneumatic welding system pressure can fast respond any change of steel bar specifications;
- Welding pressure is uniform and accordant to ensure the quality of all welding spots;
- Longitudinal bars are straightened by round preforms through straightening mechanism without straightening device otherwise equipped;
- The unique lifting mechanism can break away from the electrode during dragging meshes to ensure the service lifetime of electrode and reduce the operation expense;
- Furring strips blanking device adopts a stepping motor for automatic feeding to relieve the labor intensity and improve the efficiency;
- Imported digital servo motor system can ensure the accuracy of mesh size;
- Longitudinal mesh size can be changed by screen input to adapt to any change of multi-specification engineering meshes.
- A magnetic swinging mechanism is equipped at the blanking place of furring strips in order for fast blanking speed and high production efficiency;
- An in-situ device is equipped at the electrode to ensure the reliable and accurate blanking of furring strips;
- The unique design is favorable to conveniently, flexibly and fast replace steel bars and steel meshes.

- Production efficiency:30 gratings / min



GMW1-16 ×160-1000 Medium-frequency Steel Grating Welding Production Line



- Production efficiency:40 gratings / min

GMW2-16 x 160-1000Medium-frequency Steel Grating Welding Production Line

Design Concept

This equipment is designed and developed on the basis of improvement of continuous operation reliability of steel grating welder, labor saving, improvement of production efficiency, as well as green environmental protection. It is mainly composed of welding mainframe, automatic blanking system, servo lifting system, semi-automatic feeding system and control system, and it is a welder specially aiming at steel grating products.

Main Technical Parameters

Rated power	16×160kVA
Power supply	380V 50Hz
Number of power phases	Three phase four cable
Load duration rate	20%
Air source pressure	0.6-0.8MPa
MP	> 450L/min
Cooling liquid temperature	≤30℃
Hydraulic pressure	< 20MPa
Effective welding width	1000 (mm)
Maximum welding velocity	30 gratings/ min

GWC-C-1200 Construction Pedal Mesh Production Line
XINZHOU RESISTANCE WELDER

GWC-C-1200 Construction Pedal Mesh Production Line

Design Concept

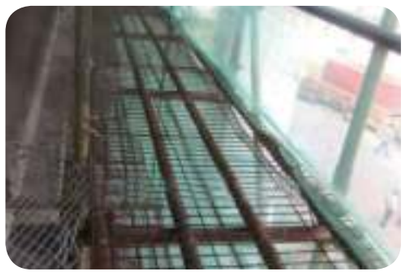
With the rise of material price, labor and production costs, it is especially important to improve the degree of automation for this equipment. In order to resolve the problems above, our company has specially designed and developed a steel basketry mesh welding production line to improve the production efficiency and save the cost.

Main Technical Parameters

Power supply	380V 50Hz
Number of power phases	Three phase four cable
Load duration rate	20%
Air source pressure	0.6-0.8MPa
Cooling liquid flow	40-60L/min
Cooling liquid temperature	≤30℃
Maximum welding capacity	Φ6mm+Φ8mm
Interval of longitudinal bars	50mm (increase by every 50mm)
Interval of furring strips	≥25mm stepless adjustable
Diameter of steel bar	Φ6-8mm (longitudinal bar: Φ4-8mm, furring strips: Φ4-6mm round steel or twisted steel)
Feeding mode	Longitudinal bar: preform; furring strips: vertical stripe
Unloading mode	Unloaded by unloading machine
Maximum welding velocity	70-90 rows/min (interval: 50)
Rated power	6×100kVA

Features

- The complete welder is controlled by human-machine interface and PLC programming controller, with high degree of automation;
- This welder can be used to weld many materials with wide adaptability, such as hot-rolled ribbed bar, cold-rolled ribbed bar, hot-rolled plain bar, cold-rolled plain bar and so on;
- One or time-based welding is adopted with great flexibility according to user’ s electric capacity;
- The machine set is designed with a discerptible structure in order for specification adjustment and maintenance;
- Welding systems, such as transformer, upper and lower electrodes of controllable silicon and so on, are cooled forcibly by water and equipped with a flow protection device so that the machine set works reliably and continuously;
- Stepless adjustable pneumatic welding system pressure can fast respond any change of steel bar specifications;
- Welding pressure is uniform and accordant to ensure the quality of all welding spots;
- Longitudinal bars are straightened by round preforms through straightening mechanism without straightening device otherwise equipped;
- The unique lifting mechanism can break away from the electrode during dragging meshes to ensure the service lifetime of electrode and reduce the operation expense;
- Furring strips blanking device adopts a stepping motor for automatic feeding to relieve the labor intensity and improve the efficiency;
- Imported digital servo motor system can ensure the accuracy of mesh size;
- Longitudinal mesh size can be changed by screen input to adapt to any change of multi-specification engineering meshes.
- A magnetic swinging mechanism is equipped at the blanking place of furring strips in order for fast blanking speed and high production efficiency;
- An in-situ device is equipped at the electrode to ensure the reliable and accurate blanking of furring strips;
- The unique design is favorable to conveniently, flexibly and fast replace steel bars and steel meshes.



Intermediate Frequency IBC tank production line
XINZHOU RESISTANCE WELDER

Intermediate Frequency IBC tank production line

Features

- The equipment is flexible, safe and reliable during operation, with high production efficiency, energy saving.
- Adopting the double layer automatic and consistent raw material feeding system. Continuous production can be implemented, thus greatly improving the production efficiency of welding machine.
- The rear frame part adopts the servo motor drive which connected by chains, conveying guide rail and bearing are equipped to ensure the direction of the mould frame.
- The welding part adopts four 250KVA intermediate frequency transformers, the welding uses the special cylinder, the welding one time molding. High stability and good consistency.
- During the welding process, the secondary current can be kept constant current, and the digital control technology is adopted. The welding time is millisecond. The current of each electrode is more balanced, so as to improve the quality of the welding point.

Main Technical Parameters

Rated power	4×250kVA
Power supply	380V 50Hz
Number of power phases	Three phase
Load duration rate	20%
Air source pressure	0.6-0.8MPa
Cooling liquid flow	60L/min
Cooling liquid temperature	≤30℃
Dimension	15.5m×3.5m×2m
Welding material	Galvanize tube
Effective welding width	1200mm