

WELDING
EQUIPMENT

GWELD吉威尔



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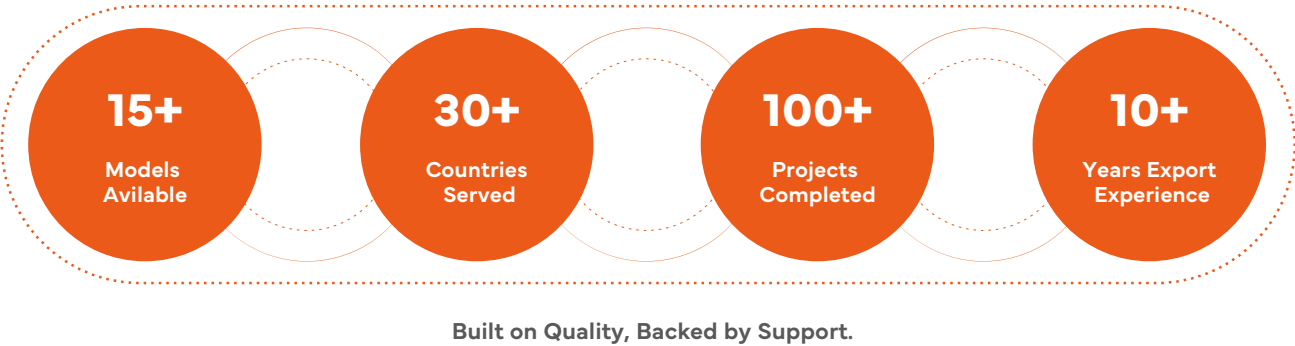
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About GWELD

GWELD is a China-based manufacturer specializing in TIG welding machines for industrial and fabrication applications worldwide. With over 10 years of export and OEM/ODM experience, GWELD focuses on high-quality AC/DC TIG and DC TIG welding solutions that combine stable performance, reliable quality, and practical functionality.

From portable inverter welders to industrial water-cooled systems, GWELD is committed to consistent product quality, long-term cooperation, and responsive technical and after-sales support for global customers.



Why Choose GWELD ?

Deep TIG Welding Expertise

- **Full Range Coverage**
From TIG 200 to 500A industrial systems.
- **Complete TIG Solutions**
DC, AC/DC, and pulse welding solutions.
- **Global Market Experience**
Experience across Europe, North America, South America, and Southeast Asia.

Designed Around Real Welders

- **User-First Approach**
We start from the end user, not just specifications.
- **Practical, Reliable Performance**
Our products are built for usability, stability, and real performance.
- **Clear, Direct Support**
Straightforward communication and support throughout the process.

Continuous Product Improvement

- **Feedback-Driven Updates**
Products are updated through regular yearly iterations based on real application feedback.
- **Continuous Upgrades**
Existing machines are continuously refined and upgraded yearly.
- **Expanding Capabilities**
New solutions are being developed, including robotic TIG and plasma cutting systems.

Our OEM / ODM Cooperation Process

From Concept to Delivery

GWELD provides a efficient, structured, and reliable OEM collaboration.

- 01 **Requirement Discussion**
Define product positioning, specifications, and market requirements.
- 02 **Product Design**
Confirm appearance, control panel layout, logo, and configuration details.
- 03 **Engineering Optimization**
Adjust welding performance and system parameters for real applications.
- 04 **Prototype & Testing**
Verify structure, functionality, and welding performance before production.
- 05 **Production & Support**
Stable production with quality inspection, global delivery, and responsive after-sales support.



Manufacturing Strength

- Mature TIG Product Platform
- OEM & ODM Support
- Industrial-Grade Quality Control
- Stable Production Capacity
- Global Export Experience
- Long-Term Technical Support

TIG-180/200/225 DC PULSE



01.

- What's Included
- WP-26 4m TIG Torch
 - Standard Stick Electrode Holder
 - Gas Hose
 - Earth Clamp



02.

- Processes
- DC TIG
 - DC Pulse TIG
 - SPOT Welding
 - MMA

V Series

Product Features

01.

GWELD TIG DC PULSE welder can weld various metals, including stainless steel, copper, carbon steel, alloy steel, cast iron, and more. It can also precisely weld thinner materials.

02.

Memory function stores up to 10 sets of welding parameters for quick recall.

03.

Easy to start the arc, stable welding current, low spatter, low noise and smooth welding appearance.

04.

Use advanced IGBT inverter technology and MCU software control.

05.

Optimized airflow design ensures effective heat dissipation, moisture resistance, and protection against conductive dust.

	TIG 180 DP	TIG 200 DP	TIG 225 DP
Rated Input Voltage (V)	AC110/220V/1Ph ± 10%		
Rated Input Current (A)	20	22	25
TIG Current Range (A)	5 ~ 180	5 ~ 200	5 ~ 225
MMA Current Range (A)	20 ~ 160	20 ~ 180	20 ~ 200
No-load Voltage (V)	70	70	70
Rated Output (25°C)	40%@180A/172V 100%@125A/15V	40%@200A/18V 100%@140A/15.6V	40%@225A/19V 100%@155A/16.2V
Pulse Frequency (Hz)	0.5 ~ 999	0.5 ~ 999	0.5 ~ 999
Pulse Duty Cycle (%)	10~90	10~90	10~90
Efficiency (%)	80	80	80
Power Factor	0.93	0.93	0.93
Insulation Class	F	F	F
Protection Class	IP23	IP23	IP23
Dimension (mm)	410*165*325	410*165*325	410*165*325
Weight (kg)	8	9	10

Application

- Workshop
- Light Fabrication
- Metallic Structures
- Motorsports
- Education
- Home

TIG-300/400 DC PULSE



01.

What's Included

- WP-26 4m TIG Torch
- Standard Stick Electrode Holder
- Gas Hose
- Earth Clamp

02.

Processes

- DC TIG
- DC Pulse TIG
- SPOT Welding
- MMA

V Series



Product Features

01.

GWELD Industrial welder is widely compatible with various materials. It welds stainless steel, copper, carbon steel, alloy steel, cast iron, and more, and it offers precise welding of thinner materials.

02.

GWELD TIG Industrial welders are compatible with water coolers, extending torch lifespan and enhancing welding comfort.

03.

Optimized airflow design ensures effective heat dissipation, moisture resistance, and protection against conductive dust.

04.

Memory function stores up to 10 sets of welding parameters for quick recall.

05.

GWELD industrial-level welders with a higher redundancy design increase reliability, extend service life, and enhance durability.

	TIG 300 DP	TIG 400 DP
Rated Input Voltage (V)	AC 380V/3Ph ± 10%	
Rated Input Current (A)	17	24
TIG Current Range (A)	5 ~ 300	5 ~ 400
MMA Current Range (A)	20 ~ 280	20 ~ 350
No-load Voltage (V)	70	70
Rated Output (25°C)	40% $\times$ 300A/22V 100% $\times$ 210A/18.4V	40% $\times$ 400A/26V 100% $\times$ 280A/21.2V
Pulse Frequency (Hz)	0.5 ~ 999	0.5 ~ 999
Pulse Duty Cycle (%)	10 ~ 90	10~90
Efficiency (%)	80	80
Power Factor	0.93	0.93
Insulation Class	F	F
Protection Class	IP23	IP23
Dimension (mm)	520*210*400	700*260*540
Weight (kg)	16	22

Application

- Heavy Fabrication
- Shipbuilding
- Metallic Structures
- Pipe Construction
- Maintance & Repair

#02 TIG AC/DC WELDER _



TIG-200/250P ACDC



V Series

01. Processes

 - AC TIG
 - AC Pulse TIG
 - DC TIG
 - DC Pulse TIG
 - Spot Welding
 - MMA
02. Application

 - Workshop
 - Light Fabrication
 - Metallic Structures
 - Motorsports
 - Education
 - Home

Product Features

A Reliable Welder for Aluminum but Not Only Aluminum

01. Reliable Arc Performance

Easy arc starting, stable welding output, low spatter, and reduced operating noise help deliver smooth and consistent welding results.

02. Wide Material Compatibility

Suitable for aluminum, stainless steel, copper, carbon steel, and other common metals, while maintaining precise control on thinner materials.



Features Designed to Enhance Professional Welding Performance

01. Memory Function

Stores up to 20 sets of welding parameters for quick recall and improved workflow efficiency.

03. VRD Function

Advanced MMA features include VRD, anti-stick, hot start, and arc force control for improved safety and arc stability.

Engineered for Reliability and Long-Term Performance

01. Professional Design

Optimized airflow design improves heat dissipation and helps protect against moisture and conductive dust.

02. 6-in-1 Processes

Multiple welding functions integrated into a single machine for greater flexibility across different applications.

04. Four Waveform

Selectable square, sine, triangular, and trapezoidal waveforms help optimize arc control, penetration, and weld quality.

02. IGBT Inverter + MCU Software

IGBT inverter technology and MCU control deliver stable performance and reliable operation.

What's Included

- WP-26 4m TIG Torch
- LED Display
- Gas Hose
- Standard Stick Electrode Holder
- Earth Clamp

Optional Accessories

- Foot Padel
- Remote Torch
- 4.3" LCD Display
- Regulator/Flowmeter

	TIG 200P ACDC	TIG 250P ACDC
Rated Input Voltage (V)	AC 110/220V/1Ph ± 10%	
Rated Input Current (A)	22	25
TIG Current Range (A)	10~200	10~250
MMA Current Range (A)	20~180	20~200
No-load Voltage (V)	70	70
Rated Output (25°C)	40%@200A/18V 100%@140A/15.6V	40%@250A/20V 100%@175A/17V
Pulse Frequency (Hz)	0.5 ~ 999	0.5 ~ 999
Pulse Duty Cycle (%)	10 ~ 90	10 ~ 90
AC Frequency (Hz)	1 ~ 250	1 ~ 250
AC Balance (%)	15 ~ 50	15 ~ 50
Efficiency (%)	80	80
Power Factor	0.93	0.93
Insulation Class	F	F
Protection Class	IP23	IP23
Dimension (mm)	520*210*400	520*210*400
Weight (kg)	15	16

TIG-315/350P ACDC



01. Processes

 - AC TIG
 - AC Pulse TIG
 - DC TIG
 - DC Pulse TIG
 - Spot Welding
 - MMA
02. Application

 - Heavy Fabrication
 - Shipbuilding
 - Metallic Structures
 - Pipe Construction
 - Maintenance & Repair



V Series

Product Features



An Industrial TIG Welder for Aluminum and More

01. Industrial-level Welder

Designed for demanding industrial environments with stable performance, reliable operation, and long-term durability.

02. Wide Material Compatibility

Suitable for aluminum, stainless steel, copper, carbon steel, and other common metals, while maintaining precise control on thinner materials.

Features Designed to Enhance Professional Welding Performance

01. Memory Function

Stores up to 20 sets of welding parameters for quick recall and improved workflow efficiency.

02. 6-in-1 Welder

Multiple welding functions integrated into a single machine for greater flexibility across different applications.

03. Water Cooler Compatible

GWELD industrial TIG welders are recommended for use with water cooler to support longer torch lifespan, improved welding comfort, and stable high-amperage operation.

04. Four Waveform

Selectable square, sine, triangular, and trapezoidal waveforms help optimize arc control, penetration, and weld quality.

Engineered for Reliability and Long-Term Performance

01. Professional Design

Optimized airflow design improves heat dissipation and helps protect against moisture and conductive dust.

02. IGBT Inverter + MCU Software

IGBT inverter technology and MCU control deliver stable performance and reliable operation.

What's Included

- WP-18 4m TIG Torch
- LED Display
- Gas Hose
- Standard Stick Electrode Holder
- Earth Clamp

Optional Accessories

- Foot Padel
- Remote Torch or Water-cooled TIG Torch
- Water Cooler and Cart
- Regulator/Flowmeter
- 4.3" LCD Display

	TIG 315P ACDC	TIG 350P ACDC
Rated Input Voltage (V)	AC 380V/3Ph ± 10%	
Rated Input Current (A)	18	20
TIG Current Range (A)	10 ~ 315	10 ~ 350
MMA Current Range (A)	20 ~ 280	20 ~ 300
No-load Voltage (V)	70	70
Rated Output (25°C)	40%@315A/22V	40%@350A/24V
	100%@210A/18.4V	100%@240A/19.6V
Pulse Frequency (Hz)	0.5 ~ 999	0.5 ~ 999
Pulse Duty Cycle (%)	10 ~ 90	10 ~ 90
AC Frequency (Hz)	1 ~ 250	1 ~ 250
AC Balance (%)	15 ~ 50	15 ~ 50
Efficiency (%)	80	80
Power Factor	0.93	0.93
Insulation Class	F	F
Protection Class	IP23	IP23
Dimension (mm)	670*260*540	670*260*540
Weight (kg)	29	30

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TIG-400/500P ACDC



V Series

01.

Processes

- AC TIG
- AC Pulse TIG
- DC TIG
- DC Pulse TIG
- Spot Welding
- MMA

02.

Application

- Heavy Fabrication
- Shipbuilding
- Metallic Structures
- Pipe Construction
- Maintenance & Repair

Product Features

0.5 ~ 1000Hz

Wide DC Pulse Range

Keeps the arc stable and focused, making it ideal for thin metal.

Up to 250Hz

High AC Frequency

Gives a tighter arc and narrow, clean puddle on aluminum.

1A

Foot Pedal Control

Current can be adjusted in 1-amp steps for precise control with foot pedal connected.

An Industrial TIG Welder for Aluminum and More

01. Industrial-level Welder

Designed for demanding industrial environments with stable performance, reliable operation, and long-term durability.

02. Wide Material Compatibility

Suitable for aluminum, stainless steel, copper, carbon steel, and other common metals, while maintaining precise control on thinner materials.

Features Designed to Enhance Professional Welding Performance

01. Memory Function

Stores up to 20 sets of welding parameters for quick recall and improved workflow efficiency.

03. Water Cooler Compatible

GWELD industrial TIG welders are recommended for use with water cooler to support longer torch lifespan, improved welding comfort, and stable high-amperage operation.

Engineered for Reliability and Long-Term Performance

01. Professional Design

Optimized airflow design improves heat dissipation and helps protect against moisture and conductive dust.

02. 6-in-1 Welder

Multiple welding functions integrated into a single machine for greater flexibility across different applications.

04. Four Waveform

Selectable square, sine, triangular, and trapezoidal waveforms help optimize arc control, penetration, and weld quality.

02. IGBT Inverter + MCU Software

IGBT inverter technology and MCU control deliver stable performance and reliable operation.

What's Included

- WP-18 4m TIG Torch
- LED Display
- Gas Hose
- Standard Stick Electrode Holder
- Earth Clamp

Optional Accessories

- Foot Padel
- Remote Torch or Water-cooled TIG Torch
- Water Cooler and Cart
- Regulator/Flowmeter
- 4.3" LCD Display

TIG 400P ACDC

TIG 500P ACDC

Rated Input Voltage (V)	AC 380V/3Ph $\pm$ 10%	
Rated Input Current (A)	24	33
TIG Current Range (A)	10 ~ 400	10 ~ 500
MMA Current Range (A)	20 ~ 350	20 ~ 400
No-load Voltage (V)	70	70
Rated Output (25°C)	40%@400A/26V 100%@280A/21.2V	40%@500A/30V 100%@350A/24V
Pulse Frequency (Hz)	0.5 ~ 999	0.5 ~ 999
Pulse Duty Cycle (%)	10 ~ 90	10 ~ 90
AC Frequency (Hz)	1 ~ 250	1 ~ 250
AC Balance (%)	15 ~ 50	15 ~ 50
Efficiency (%)	80	80
Power Factor	0.93	0.93
Insulation Class	F	F
Protection Class	IP23	IP23
Dimension (mm)	670*260*540	670*260*540
Weight (kg)	32	34

#03 WELD CLEANING MACHINE



GWELD CLEAN SERIES

Models: 500/1200/2500



01.

What's Included

- Cleaning Brush
- Ground Clamp
- Power Cable
- User Manual



02.

Processes

- Weld Cleaning
- Surface Polishing
- Passivation
- Metal Marking

V Series

Product Features

01. Advanced Electrochemical Cleaning

Quickly removes heat tint, oxidation, and discoloration from stainless steel welds without damaging the base material.

02. Clean & Passivate in One Step

Simultaneously cleans and passivates the weld area, helping restore the natural corrosion resistance of stainless steel.

03. Cleaning, Polishing & Marking

Supports weld cleaning, surface polishing, and permanent metal marking for a wide range of stainless steel applications.

04. Adjustable Output Control

Fine-tune voltage and current settings to achieve optimal cleaning and finishing results on different materials and weld conditions.

05. Industrial Protection System

Built-in overcurrent, overvoltage, and overtemperature protection ensure reliable performance and long service life.

GWELD CLEAN - 500/1200/2500

Input Voltage (V)	200-250V AC	Efficiency	>80%
Input Frequency (Hz)	50/60Hz	Voltage Accuracy	±0.5%
Output Power (W)	500W / 1200W / 2500W	Functions	Cleaning / Polishing / Marking
Output Voltage (V)	1-12V / 1-12V / 1-30V	Protection	Over Current / Over Temperature
Output Current (A)	41.7A / 100A / 83.3A	Dimension (mm)	410*165*325
Rated Output (25°C)	60%	Weight (kg)	6

Application

- Stainless Steel Fabrication
- Process Piping
- Maintance & Repair
- Food Processing Equipment
- Architectural Metalwork

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REAL WELDING RESULTS

1mm Aluminum

Corner Joint

Used TIG AC Mode

Welding Material: 1mm Aluminum			Pulse: Yes		
Welding Mode: AC TIG			Pulse Frequency: 2 Hz		
Weld Type: Corner Joint			Pulse Duty Cycle: 20%		
Welding Current (Ip)	Base Current (Ib)	Pre Flow	Post Flow	AC Frequency	AC Balance
46A	26A	0.5s	3s	80Hz	25%



3mm Aluminum

Butt Joint
Used TIG AC Mode

Welding Material: 3mm Aluminum
Welding Mode: AC TIG
Weld Type: Butt Joint

Pulse: No



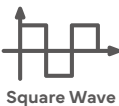
Welding Current (Ip)	Base Current (Ib)	Pre Flow	Post Flow	AC Frequency	AC Balance
100A	-	0.5s	3s	80Hz	24%

3mm Aluminum

Corner Joint
Used TIG AC Mode

Welding Material: 3mm Aluminum
Welding Mode: AC TIG
Weld Type: Corner Joint

Pulse: No



Welding Current (Ip)	Base Current (Ib)	Pre Flow	Post Flow	AC Frequency	AC Balance
90A	-	0.5s	3s	80Hz	24%

Actual welding data may vary. Table for reference only.

3mm Stainless Steel

T Joint

Used TIG DC Mode

Welding Material: 3mm Stainless Steel			Pulse: No		
Welding Mode: DC TIG					
Weld Type: T Joint					
Welding Current (Ip)	Base Current (Ib)	Pre Flow	Post Flow	AC Frequency	AC Balance
100A	-	0.5s	5s	-	-

10mm Carbon Steel

T Joint
Used TIG DC Mode

Welding Material: 10mm Carbon Steel

Welding Mode: DC TIG

Weld Type: T Joint

Pulse: No



Welding Current (Ip)	Base Current (Ib)	Pre Flow	Post Flow	AC Frequency	AC Balance
140A	-	0.5s	5s	-	-



10mm Carbon Steel

Used MMA Mode

Welding Material: 10mm Carbon Steel

Welding Mode: Stick (MMA)

Welding Current	Arc Force Current	Hot Start Current
160A	40A	80A