

LONGRUN[®]

CATALOG



The perfect technology worldwel

We will keep doing our best continuously to meet our customer's high demands and satisfaction by our brand "LONGRUN"

WELDING MACHINE COMPANY WORLDWEL

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The contents of this catalogue are subject to change without notice to improve product performance.



The best way to be the professional welder
WORLDWEL

LONGRUN[®]

As a matter of our these effort and passion for better future and technology, we have been able to acquire many authorizations, certifications and registrations such as INNO-BIZ, Promising Export firm, ISO9001, CE and Venture from authorities.

“
The best way to be the
professional welder WORLDWEL!
”



To be the Premier Global Leader WE MAKE THE BEST.

WORLDWEL have been stepping ahead to produce many types of hi-tech welding machines such as Thyristor, Inverter, Resistance type welding machine, Plasma cutter, Laser machine and Automation welding system and welding robot since 1991.

As a matter of our these effort and passion for better future and technology, we have been able to acquire many authorizations, certifications and registrations such as INNO-BIZ, Promising Export firm, ISO9001, CE, material parts, KC, vision company, 350PMA patent and Venture from authorities.

Furthermore, we have been renewing an export record every year as an evidence of our high quality as well as increasing domestic market share rate by providing our products to major companies such as POSCO, SAMSUNG, HYUNDAI, DOOSAN.

We will keep doing our best continuously to meet our customer's high demands and make it satisfy by manufacturing the best "LONGRUN".



Company History

- 1991** · Established JEONGWOO WELDER(Special manufacturer of transformer)
- 1995** · Changed the name to WORLD M&E Co.
- 2007** · Converted into WORLDWEL CO., LTD.
- 2009** · Registered as a partner company of KITECH
· Registered a Trademark for the name "LONGRUN"
- 2010** · CE Certified for Inverter DC Stick Welder 160LD2
- 2011** · CE certified for Inverter DC TIG Welder 200LD2, 350LT, 500LT2
· Established Industry knowledge center and new factory (33,000m²)
- 2012** · Established R&D center
· Authorized "Good quality product's enterprise"
· Developed Inverter spot welder
· Authorized as "Vision Enterprises"
- 2013** · Authorized as "Certification of origin on exporter of EU, ASEAN"
· Established Water chiller system department
· Developed High-end TIG Welder (P Series)
· CE certified for 7 models
- 2014** · Reauthorized as "Technology Innovation Business Company"
· Developed Portable SAW Tractor (LS7, LD7)
· Regained ISO 9001 Certificate
· Developed Inverter CD Stud welder (1200DST, 1500DST)
· Reauthorized as a "Promising exporter company" by Korean Government
· Reauthorized as a "Material & Component Specialized Company" by Korean government
· Certified for "Good Design"
· CU Certified for TIG, MIG and MMA
- 2015** · Register the Design of plastic case
· Given a citation for excellent business by SMBA
· CU Certified for Inverter DC Arc, Inverter DC TIG, Inverter MIG
· Authorized MAIN-BIZ Certificate
· Given a citation for excellent trading business
- 2016** · Developed Inverter Submerged welder (1200PDS, 1500PDS)
- 2017** · Completed Smart Factory Support Project
· CE Certified for Inverter Submerged Welder (1200, 1500PDS)
· Introduced "MES (Manufacturing Execution System)"
- 2018** · Developed Digital Multi-process welder
- 2019** · Moved to a new factory (12,416m²)
- 2020** · Certified as a material parts equipment specialist
· Acquired KC Autonomous Safety Certification-Industrial Robot
· Acquired vision company certification
· Acquired 350PMA patent



Welding Machine Expert

Company **WORLDWEL**

- ROBOT Welder
- LASER Machine
- STICK Welder
- TIG Welder
- CO₂ Welder
- MIG Welder
- PLASMA Cutter
- STUD Welder
- SUBMERGED Arc Welder
- WATER Cooler
- WATER Chiller
- AUTOMATED welding equipment



LONGRUN[®]

PRODUCT CATALOGUE

WORLDWEL have been stepping ahead to produce many types of hi-tech welding machines such as Thyrister, Inverter, Resistance type welding machine, Plasma welding system since 1991.



WORLDWEL



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DC STICK WELDER

SMAW

Shielded metal arc welding (SMAW, MMA-STICK Welding) is a manual arc welding process that uses a consumable electrode covered with a flux to lay the weld.

An electrode and the metals to be joined.

SMAW is one of the world's first and most popular welding processes because of the versatility of the process and the simplicity of its equipment and operation.

- High durability and stability by patented transformer
- Easy and safe use by V.R.D function

01

STICK WELDER (SMAW)

Inverter
DC Stick
Welder

Feature

- Patented transformer delivers high duty cycle
- High durability and stability by components of enough capacity
- HOT START : Easy and perfect Arc start
- Energy saving and high efficiency by IGBT Inverter control technology



200SLD

Specifications	
Input voltage (V,PH)	220, 1
Input capacity (KW)	6.3
Open circuit voltage (V)	87.5
Output current (A)	15~195
Duty cycle (%)	30
Dimension (mm)	165(W) X 350(D) X 190(H)
Weight (kg)	5.5
Function	<ul style="list-style-type: none"> ·Welding rod : 2.0-3.20 ·Compact size, Ultra-light weight. ·PRE-SET : Easy to set and check welding amperage. ·DIGITAL DISPLAY : Easy to check welding amperage.



200LD CE

Input voltage (V,PH)	220, 1
Input capacity (KW)	6.3
Open circuit voltage (V)	74.5
Output current (A)	20~195
Duty cycle (%)	50
Dimension (mm)	180(W) X 360(D) X 280(H)
Weight (kg)	8.6
Function	<ul style="list-style-type: none"> ·Welding rod : 2.0-3.20



200LD3 CE

Input voltage (V,PH)	220, 1
Input capacity (KW)	6.8
Open circuit voltage (V)	73
Output current (A)	20~200
Duty cycle (%)	60
Dimension (mm)	180(W) X 360(D) X 280(H)
Weight (kg)	9.4
Function	<ul style="list-style-type: none"> ·Welding rod : 2.0-3.20 ·Arc force ·Hot start : Easy and perfect arc start. ·PRE-SET : Easy to set and check welding amperage. ·DIGITAL DISPLAY : Easy to check welding amperage.



230LD CE

Input voltage (V,PH)	220, 1
Input capacity (KW)	7.5
Open circuit voltage (V)	79
Output current (A)	20~215
Duty cycle (%)	60
Dimension (mm)	180(W) X 400(D) X 280(H)
Weight (kg)	10
Function	<ul style="list-style-type: none"> ·Welding rod : 2.0-4.00



STICK WELDER(SMALL)



250LD3

Specifications	
Input voltage (V,PH)	220, 1
Input capacity (KW)	8.7
Open circuit voltage (V)	74.5
Output current (A)	20~250
Duty cycle (%)	60
Dimension (mm)	210(W) X 460(D) X 300(H)
Weight (kg)	15
Function	<ul style="list-style-type: none"> ·Welding rod : 2.0-4.00 ·Arc force ·Hot start : Easy and perfect arc start. ·PRE-SET : Easy to set and check welding amperage. ·DIGITAL DISPLAY : Easy to check welding amperage.



300LD3 CE

Input voltage (V,PH)	220, 1
Input capacity (KW)	11.5
Open circuit voltage (V)	81.5
Output current (A)	20~300
Duty cycle (%)	60
Dimension (mm)	210(W) X 460(D) X 300(H)
Weight (kg)	16.5
Function	<ul style="list-style-type: none"> ·Welding rod : 2.0-5.00 ·Arc force ·Hot start : Easy and perfect arc start. ·PRE-SET : Easy to set and check welding amperage. ·DIGITAL DISPLAY : Easy to check welding amperage.



400LD3

Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	17
Open circuit voltage (V)	92@380 Input
Output current (A)	40~400
Duty cycle (%)	60
Dimension (mm)	350(W) X 730(D) X 545(H)
Weight (kg)	40
Function	<ul style="list-style-type: none"> ·Welding rod : 2.0-5.00 ·Arc force ·Hot start : Easy and perfect arc start. ·PRE-SET : Easy to set and check welding amperage. ·DIGITAL DISPLAY : Easy to check welding amperage. ·Pulse function : Ideal for sheet and vertical welding ·Remote controller (Optional)



500LD3 CE

Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	23.7
Open circuit voltage (V)	92@380 Input
Output current (A)	40~500
Duty cycle (%)	60
Dimension (mm)	398(W) X 770(D) X 640(H)
Weight (kg)	53
Function	<ul style="list-style-type: none"> ·Welding rod : 2.0-5.00 ·Arc force ·Hot start : Easy and perfect arc start. ·PRE-SET : Easy to set and check welding amperage. ·DIGITAL DISPLAY : Easy to check welding amperage. ·Pulse function : Ideal for sheet and vertical welding ·Remote controller (Optional)





TIG WELDER

GTAW

Gas tungsten arc welding (GTAW, TIG) is an arc welding process that uses a non-consumable tungsten electrode to produce the weld. GTAW is most commonly used to weld thin sections of stainless steel and non-ferrous metals such as aluminum, magnesium, and copper alloys. The process grants the operator greater control over the weld than competing processes such as SMAW and GMAW, allowing for stronger, higher quality welds.

- Various products range from Micro TIG to Heavy duty TIG welder satisfies customers varied needs
- Rectangle Heat sink and three cooling fans delivers high durability

Professional DC PULSE TIG Welder

Feature

- Optimized for welding mild steel, stainless steel
- Best welding quality for pipe welding with pulse function
- Full digital control and user friendly interface
- Multi-functional digital remote controller (Optional)
- Excellent performance for automation welding
- Ideal for thin plate welding with precision arc performance



300PT3



500PT4



1000PT3



500PPW2

Specifications

	300PT3		500PT4		1000PT3		500PPW2	
Input voltage (V,PH)	220, 1/3	380, 1/3	220, 1/3	380, 1/3	220, 1/3	380, 1/3	220, 1/3	380, 1/3
Process	TIG	TIG	TIG	TIG	TIG	TIG	TIG	TIG
Input capacity (KW)	8.3	8.4	17.2	17.2	55.7	55.7	18.4	18.2
Open circuit voltage (V)	85.5	82	67	65.5	83	87	88	95
Output current (A)	2~300	2~300	3~500	3~500	15~1000	15~1000	3~500	3~500
Duty cycle (%)	60		60		60		50	
Dimension (mm)	260(W) X 500(D) X 360(H)		360(W) X 710(D) X 570(H)		440(W) X 1100(D) X 800(H)		400(W) X 790(D) X 685(H)	
Weight (kg)	23		51		130		82	

Function

- Ideal for thin plate welding with precision arc performance
- Digital memory function (10 slots)



- Best welding quality for pipe welding with pulse function
- Digital memory function (10 slots)



- Rectangle Heat sink and three cooling fans delivers high durability
- Best welding quality for pipe welding with pulse function
- Excellent performance for automation welding
- Digital memory function (10 slots)



- Two types of welding characteristics selectable.
- Best welding quality for Pipe welding
- Realization of High-quality weldability with current control according to the distance between base metal and torch.
- Memory setting function built-in (10 types)
- Welding characteristics changed and selected by remote



Professional AC/DC PULSE TIG Welder

Feature

- Optimized for welding mild steel, stainless steel for welding mild steel, stainless steel, aluminium and galvanized steel
- AC, DC, AC+DC Function
- Best welding quality for pipe welding with pulse function
- Full digital control and user friendly interface
- Multi-functional Digital remote controller (Optional)
- Excellent performance for automation welding
- Ideal for thin plate welding with precision arc performance



200PA



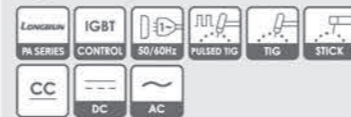
500PA4

Specifications

	200PA	500PA4	
Input voltage (V,PH)	220, 1	220, 1/3	380, 1/3
Process	TIG	TIG	TIG
Input capacity (KW)	7.1	19.9	19.9
Open circuit voltage (V)	81	69	66.5
Output current (A)	2~200	3~500	3~500
Duty cycle (%)	60	60	60
Dimension (mm)	255(W) X 500(D) X 365(H)	360(W) X 710(D) X 570(H)	
Weight (kg)	25.5	64	

Function

- AC+DC Pulse function
- Ideal for thin aluminum plate welding with cleaning and ac frequency control
- Digital memory function (10 slots)



- Ideal for thick aluminum plate welding
- Ideal for aluminum plate welding with cleaning and ac frequency control
- Digital memory function (10 slots)



Inverter
DC TIG
Welder



200LT

Specifications

Input voltage (V,PH)	220, 1
Process	TIG
Input capacity (KW)	6.2
Open circuit voltage (V)	73
Output current (A)	10-230
Duty cycle (%)	30
Dimension (mm)	180(W) X 450(D) X 280(H)
Weight (kg)	12

Function

- Portable and Rugged
- Optimized for welding up to 5mm mild steel and stainless steel
- PRE-SET : Easy to set and check welding current



300LT2

Input voltage (V,PH)	220, 1
Process	TIG
Input capacity (KW)	6.5
Open circuit voltage (V)	78
Output current (A)	10-250
Duty cycle (%)	50
Dimension (mm)	220(W) X 470(D) X 290(H)
Weight (kg)	18

Function

- Portable and Rugged
- Down slope still on during Crater OFF
- PRE-SET : Easy to set and check welding current



350LT CE

Input voltage (V,PH)	220, 1/3	220/380, 1/3
Process	TIG	TIG
Input capacity (KW)	8.3	8.5
Open circuit voltage (V)	78.5	67@380 Input
Output current (A)	10-300	10-300
Duty cycle (%)	50	50
Dimension (mm)	290(W) X 490(D) X 435(H)	290(W) X 490(D) X 435(H)
Weight (kg)	22	24

Function

- High durability and stability by patented transformer
- Optimized for welding mild steel and stainless steel
- Crater ON/OFF, MMA Function
- Arc spot, Pulse function



400LT3

Input voltage (V,PH)	220/380/440, 1/3
Process	TIG
Input capacity (KW)	13.3
Open circuit voltage (V)	66@380 Input
Output current (A)	10-400
Duty cycle (%)	60
Dimension (mm)	350(W) X 730(D) X 545(H)
Weight (kg)	47

Function

- Optimized for using at plant and shipbuilding yard with high duty cycle
- Optimized for TIG and Stick welding for pipe with best welding quality
- Maximum torch cable extension : 100m
- Adjust welding current by remote controller (Optional)

TIG WELDER (GTAW)



Feature

- High durability and stability by patented transformer
- Non contact arc start (HF start)
- Crater ON/OFF, MMA Function
- Down slope still on during Crater OFF



500LT3 CE

Specifications

Input voltage (V,PH)	220/380/440, 1/3
Process	TIG
Input capacity (KW)	19.4
Open circuit voltage (V)	65@380 Input
Output current (A)	15-500
Duty cycle (%)	60
Dimension (mm)	398(W) X 770(D) X 640(H)
Weight (kg)	58

Function

- Optimized for using at plant and shipbuilding yard with high duty cycle
- Optimized for TIG and Stick welding for pipe with best welding quality
- Maximum torch cable extension : 100m
- Applied Welding Current and Voltage display
- Adjust welding current by remote controller (Optional)



600LT3

Input voltage (V,PH)	220/380/440, 1/3
Process	TIG
Input capacity (KW)	25.8
Open circuit voltage (V)	58@380 Input
Output current (A)	15-600
Duty cycle (%)	60
Dimension (mm)	398(W) X 830(D) X 640(H)
Weight (kg)	67

Function

- Optimized for using at plant and shipbuilding yard with high duty cycle
- Optimized for TIG and Stick welding for pipe with best welding quality
- Maximum torch cable extension : 100m
- Applied Welding Current and Voltage display
- Adjust welding current by remote controller (Optional)



500LTP

Input voltage (V,PH)	220/380/440, 1/3
Process	TIG
Input capacity (KW)	19.3
Open circuit voltage (V)	66@380 Input
Output current (A)	15-500
Duty cycle (%)	60
Dimension (mm)	398(W) X 770(D) X 640(H)
Weight (kg)	58

Function

- Optimized for using at plant and shipbuilding yard with high duty cycle
- Optimized for TIG and Stick welding for pipe with best welding quality
- Built in function of Pulse TIG and suitable for welding pipe and cast
- Adjust welding current by remote controller (Optional)



600LTP

Input voltage (V,PH)	220/380/440, 1/3
Process	TIG
Input capacity (KW)	26.1
Open circuit voltage (V)	58@380 Input
Output current (A)	15-600
Duty cycle (%)	60
Dimension (mm)	398(W) X 830(D) X 640(H)
Weight (kg)	65

Function

- Optimized for using at plant and shipbuilding yard with high duty cycle
- Optimized for TIG and Stick welding for pipe with best welding quality
- Built in function of Pulse TIG and suitable for welding pipe and cast
- Adjust welding current by remote controller (Optional)

Inverter AC / DC TIG Welder



Feature

- Non contact arc start (HF start)
- Built in function of Pulse TIG and suitable for welding pipe and cast
- Down slope still on during Crater OFF
- Over-load protect function



350LA

Specifications	
Input voltage (V,PH)	220/380/440, 1/3
Process	TIG
Input capacity (KW)	11.7
Open circuit voltage (V)	58@380 Input
Output current (A)	10-350
Duty cycle (%)	60
Dimension (mm)	398(W) X 770(D) X 640(H)
Weight (kg)	61
Function	· Suitable for welding mild steel, stainless steel and aluminium by both AC and DC TIG welding · High duty cycle for welding aluminum by sufficient capacity of transformer · Cleaning control, AC Frequency control · Adjust welding current by remote controller (Optional)



500LA

Input voltage (V,PH)	220/380/440, 1/3
Process	TIG
Input capacity (KW)	21.1
Open circuit voltage (V)	59@380 Input
Output current (A)	14-500
Duty cycle (%)	60
Dimension (mm)	398(W) X 770(D) X 640(H)
Weight (kg)	66
Function	· Suitable for welding mild steel, stainless steel and aluminium by both AC and DC TIG welding · High duty cycle for welding aluminum by sufficient capacity of transformer · Cleaning control, AC Frequency control · Adjust welding current by remote controller (Optional)



600LA

Input voltage (V,PH)	220/380/440, 1/3
Process	TIG
Input capacity (KW)	29.1
Open circuit voltage (V)	58@380 Input
Output current (A)	15-600
Duty cycle (%)	60
Dimension (mm)	398(W) X 830(D) X 640(H)
Weight (kg)	70
Function	· Suitable for welding mild steel, stainless steel and aluminium by both AC and DC TIG welding · High duty cycle for welding aluminum by sufficient capacity of transformer · Cleaning control, AC Frequency control · Adjust welding current by remote controller (Optional)

TIG WELDER (GTAW) / MICRO TIG

Specialized welding machine for LNG



200MPT

Specifications	
Input voltage (V,PH)	220, 1
Input capacity (KW)	6.7
Open circuit voltage (V)	79
Output current (A)	3-240
Duty cycle (%)	40
Dimension (mm)	225(W) X 430(D) X 310(H)
Weight (kg)	18
Function	· For LNG vessel membrane welding · Saved welding conditions are output by various switch methods · Gas flow can be checked from the equipment · Small and light, easy to carry



200LTG

Specifications	
Input voltage (V,PH)	200, 1
Grind wheel motor	90W, 3000PRM
Rotator motor	10W, 270RPM
Fuse (A)	3
Dimension (mm)	Main :150(W) X 310(D) X 220(H), Rotator Ø40 X 150
Weight (kg)	main : 5, Rotator : 0.6
Function	· Precise, quiet and easy to use · Electrode diameters : 1.6mm, 2.0mm, 2.4mm, 3.2mm · Easy and stable to grind by rotation electrode holder · Economical : Diamond wheel moving itself to grind evenly and economically · Weld quality : It improves tungsten life, arc starting, arc stability and produces consistent weld penetration

Tungsten Grinder

Plasma Power Supply



1030LPS

1040LPS

• Specifications

Input voltage (V,PH)	220, 3	220, 3
Capacity [Max] (kW)	30	40
Load Current [Max] (A)	100	100
Open Load Voltage [Max] (VDC)	630	630
Rated Load Voltage [Max] (VDC)	< 300	< 400
HF HV (V)	10,444	10,444
Dimension (mm)	267 X 560(D) X 560(H)	267 X 560(D) X 560(H)
Weight (kg)	62	64

Function

- High efficient plasma power supply
- Output voltage and amperage can be changed according to the use
- High duty cycle for 365 days full loading
- Various torches can be available
- Applicable to various industries such as hazardous waste, waste gas, metal melting device



Weld Cleaner

50MC

• Specifications

Input voltage (V,PH)	220, 1
Output max	1200
Input capacity (KVA)	-
Output control range (%)	0-100
Dimension (mm)	190(W) X 340(D) X 290(H)
Weight (kg)	12

Function

- Cleaning surface after stainless steel welding
- Cleaning aluminum oxide
- Select 4 ways output wave (AC High, AC Low, DC+, DC-)



Standard accessories



Inverter Plasma Welder



300PW

• Specifications

Input voltage (V,PH)	220, 3
Input capacity (KVA)	11.1
Open current (A)	5-300
Pilot gas (L/min)	0.3-3
Shielding gas (L/min)	2-20
Duty cycle (%)	100
Dimension (mm)	420(W) X 800(D) X 710(H)
Weight (kg)	50

Function

- Suitable to weld for accurate parts
- Easy to control all parameters by digital control panel
- Easy to connect with automatic machine
- 100 welding conditions can be loaded from memory chip for each working
- Full digital control



1000LPC

Input voltage (V,PH)	220, 1
Input capacity (KVA)	4
Open current (A)	3-30
Pilot gas (L/min)	0.3-10
Shielding gas (L/min)	2-20
Duty cycle (%)	100
Dimension (mm)	440(W) X 760(D) X 610(H)
Weight (kg)	55

- Suitable for high accuracy and precise work, low damage and abrasion
- Able to plasma welding with TIG welder
- Suitable for consecutive automatic work and pipe welding
- Optimized for thin plate welding
- Excellent performance for overlay welding in high current





CO₂ / MIG WELDER

GMAW

Gas metal arc welding (GMAW, MAG-MIG) is a welding process in which an electric arc forms between a consumable wire electrode and the workpiece metal(s), which heats the workpiece metal(s), causing them to melt and join. Along with the wire electrode, a shielding gas feeds through the welding gun, which shields the process from contaminants in the air. GMAW provides faster welding time compared to other welding processes such as SMAW and GTAW.

- Various products range : MAG-MIG, MIG, Double Pulse MIG
- Rectangle Heat sink and three cooling fans delivers high durability

03

CO₂/MIG WELDER (GMAW)

Digital Multi Process Welder



350PMA CE

Specifications

Input voltage (V,PH)	220, 1/3			380, 1/3		
Process	AC/DC TIG	CO2	STICK	AC/DC TIG	CO2	STICK
Input capacity (KW)	10.7	14.5	14	10.5	14.4	13.8
Open circuit voltage (V)	72	70	81	68	67	71
Output current (A)	10-350	50-350	10-350	10-350	50-350	10-350
Duty cycle (%)	60					
Dimension (mm)	410(W) X 790(D) X 750(H)					
Weight (kg)	85					

Function

- Multi Process Welding (TIG-AC/DC, MIG/MAG, STICK-AC/DC)
- Full digital control and user friendly interface
- All welding process is possible after one installation
- Optimized for educational purpose at Welding Institution



500LCT

Specifications

Input voltage (V,PH)	220, 1/3			380, 1/3		
Process	DC TIG	CO2/MAG	STICK	DC TIG	CO2/MAG	STICK
Input capacity (KW)	19	25.9	13.9	18.9	25.7	13.6
Open circuit voltage (V)	72	70	81	70	68	78
Output current (A)	10-500	50-500	10-350	10-500	50-500	10-350
Duty cycle (%)	60					
Dimension (mm)	416(W) X 788(D) X 694(H)					
Weight (kg)	84					

Function

- Multi Process Welding (TIG-DC, MIG/MAG, STICK-DC)
- All welding process is possible after one installation
- Stable welding quality by Full digital control
- Memory function
- Low spatters and stable welding start by start control technology
- Optimized for multi purpose welding and automation welding



Inverter MIG Welder



350LM3

Specifications

Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	15.2
Open circuit voltage (V)	67@380 Input
Output current (A)	50-350
Output voltage (V)	16-35
Duty cycle (%)	60
Dimension (mm)	350(W) X 720(D) X 545(H)
Weight (kg)	41

Function

- Wire 1.2mm
- Optimized for welding stainless steel and aluminium
- Low spatter with stable arc control
- Ideal for manufacturing Euro form



500LM3

Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	27.4
Open circuit voltage (V)	71@380 Input
Output current (A)	50-500
Output voltage (V)	16-40
Duty cycle (%)	60
Dimension (mm)	398(W) X 770(D) X 640(H)
Weight (kg)	57

- Wire 1.2/1.6mm
- Optimized for welding stainless steel and aluminium
- Low spatter with stable arc control
- Ideal for manufacturing Euro form



600LM3

Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	31.7
Open circuit voltage (V)	72@380 Input
Output current (A)	50-600
Output voltage (V)	16-44
Duty cycle (%)	60
Dimension (mm)	398(W) X 830(D) X 640(H)
Weight (kg)	66

- Wire 1.2/1.6mm
- Optimized for welding stainless steel and aluminium
- Low spatter with stable arc control
- Ideal for manufacturing Euro form



Inverter
MAG-MIG
Welder

Feature

- Rectangle Heat sink and three cooling fans delivers high durability
- Energy saving and high efficiency by IGBT Inverter control technology
- Low spatter with stable arc control
- Over-load and Over-current protect function
- Over voltage and low voltage protect function



350SLC2

Specifications	
Input voltage (V,PH)	220/380, 1/3
Input capacity (KW)	13.8
Open circuit voltage (V)	70@380 Input
Output current (A)	50-300
Output voltage (V)	12-32
Duty cycle (%)	40
Dimension (mm)	290(W) X 480(D) X 440(H)
Weight (kg)	26
Function	
·Wire 0.8-1.2mm ·Portable and light weight ·Optimized for sheet welding of mild and stainless steel ·Low spatter with stable arc control ·Arc characteristic control	



350LC3N CE

Specifications	
Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	15.2
Open circuit voltage (V)	67@380 Input
Output current (A)	50-350
Output voltage (V)	16-35
Duty cycle (%)	60
Dimension (mm)	350(W) X 730(D) X 545(H)
Weight (kg)	41
Function	
·Wire 0.9-1.2mm ·Ideal for sheet metal working ·Low spatter with stable arc control ·Arc characteristic control	



500LC3N CE

Specifications	
Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	27.4
Open circuit voltage (V)	71@380 Input
Output current (A)	50-500
Output voltage (V)	16-40
Duty cycle (%)	60
Dimension (mm)	398(W) X 770(D) X 640(H)
Weight (kg)	57
Function	
·Wire 0.9-1.4mm ·Ideal for steel structure welding ·Low spatter with stable arc control ·Arc characteristic control ·MMA Function	



600LC3N CE

Specifications	
Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	31.7
Open circuit voltage (V)	72@380 Input
Output current (A)	50-600
Output voltage (V)	16-44
Duty cycle (%)	60
Dimension (mm)	398(W) X 830(D) X 640(H)
Weight (kg)	66
Function	
·Wire 0.9-1.6mm ·Ideal for heavy duty welding ·Low spatter with stable arc control ·Arc characteristic control ·MMA Function	



350DLC

Specifications	
Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	17.6
Open circuit voltage (V)	63.5@380 Input
Output current (A)	50-350
Output voltage (V)	12-35
Duty cycle (%)	60
Dimension (mm)	350(W) X 730(D) X 545(H)
Weight (kg)	46
Function	
·Wire 0.9-1.2mm ·PRE-SET : Easy to set and check welding current and voltage ·Stable welding quality and low spatters by Full digital control ·MMA Function	



500DLC

Specifications	
Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	25.4
Open circuit voltage (V)	63@380 Input
Output current (A)	50-500
Output voltage (V)	12-40
Duty cycle (%)	60
Dimension (mm)	398(W) X 770(D) X 640(H)
Weight (kg)	60
Function	
·Wire 0.9-1.4mm ·PRE-SET : Easy to set and check welding current and voltage ·Stable welding quality and low spatters by Full digital control ·Ideal for automation welding ·MMA Function	



600DLC

Specifications	
Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	30.6
Open circuit voltage (V)	64@380 Input
Output current (A)	50-600
Output voltage (V)	12-44
Duty cycle (%)	60
Dimension (mm)	398(W) X 830(D) X 640(H)
Weight (kg)	65
Function	
·Wire 0.9-1.6mm ·PRE-SET : Easy to set and check welding current and voltage ·Stable welding quality and low spatters by Full digital control ·Ideal for automation welding ·MMA Function	



650DLC

Specifications	
Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	31.3
Open circuit voltage (V)	64@380 Input
Output current (A)	50-650
Output voltage (V)	12-45
Duty cycle (%)	100
Dimension (mm)	420(W) X 790(D) X 730(H)
Weight (kg)	84
Function	
·Wire 0.9-1.6mm ·PRE-SET : Easy to set and check welding current and voltage ·Stable welding quality and low spatters by Full digital control ·Ideal for automation welding ·MMA Function	



650LCG3

Specifications	
Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	30.3
Open circuit voltage (V)	70@380 Input
Output current (A)	50-650
Output voltage (V)	16-44
Duty cycle (%)	90
Dimension (mm)	420(W) X 790(D) X 730(H)
Weight (kg)	101
Function	
·Wire 0.9-1.6mm ·Ideal for heavy duty welding (Duty cycle 100%) ·Low spatter with stable arc control ·Arc characteristic control ·Gouging Function	

CO2 WELDER (GMAM)

Thyristor MAG-MIG Welder

Feature

- Built in patent transformer with high duty cycle
- Excellent welding performance by new control circuit
- Incurruptible painting and metal
- Crater control function (Current and voltage)



500TC2



600TC2



610TC2



800TC2



1000TC2

Specifications

	500TC2	600TC2	610TC2	800TC2	1000TC2
Input voltage (V,PH)	220/380, 3 (220/380/440, 3)	220/380, 3 (220/380/440, 3)	220/380, 3 (220/380/440, 3)	220/380, 3 (220/380/440, 3)	220/380, 3 (220/380/440, 3)
Input capacity (KVA)	32	43	43	57	80
Open circuit voltage (V)	68@380 Input	68@380 Input	75@380 Input	80@380 Input	80@380 Input
Output current (A)	60-500	60-600	60-600	60-600	60-1000
Output voltage (V)	12-42	12-48	12-48	18-52	18-52
Duty cycle (%)	70	70	100	70	70
Dimension (mm)	500(W) X 700(D) X 870(H)	500(W) X 700(D) X 870(H)	500(W) X 740(D) X 900(H)	500(W) X 740(D) X 900(H)	610(W) X 840(D) X 1030(H)
Weight (kg)	170	190	195	230	280
Function	·Wire 0.9-1.4mm ·Built in patent transformer with high duty cycle ·Low spatter with stable arc control	·Wire 0.9-1.6mm ·Built in patent transformer with high duty cycle ·Low spatter with stable arc control	·Wire 0.9-2.0mm ·Built in patent transformer with high duty cycle ·Low spatter with stable arc control ·Gouging function	·Wire 0.9-2.0mm ·Built in patent transformer with high duty cycle ·Low spatter with stable arc control ·Gouging function	·Wire 0.9-2.0mm ·Built in patent transformer with high duty cycle ·Low spatter with stable arc control ·Gouging function

SCR CO₂ / MIG WELDER (GM/MV) / ARC AIR GOUGING

Arc Air Gouging Machine

Feature

- Suitable for MIG-MAG welding reforming
- Various usage in different formation such as hole expansion, cutting, grooving, bead removal
- High duty cycle by sufficient capacity of transformer with patent technology
- Easy to verify output current by ammeter on duty
- Incurruptible painting case



1000WG



1200WG



1500WG



2000WG

Specifications

	1000WG	1200WG	1500WG	2000WG
Input voltage (V,PH)	200/380/440, 3	200/380/440, 3	200/380/440, 3	200/380/440, 3
Input capacity (KVA)	80	95	120	160
Open circuit voltage (V)	90	90	92	92
Output current (A)	20-1000	200-1200	300-1500	300-2000
Gouging rod thickness (φ)	4-10	4-12	4-16	4-16
Duty cycle (%)	80	80	80	80
Dimension (mm)	565(W) X 885(D) X 1050(H)	565(W) X 885(D) X 1050(H)	710(W) X 1010(D) X 1290(H)	800(W) X 1050(D) X 1400(H)
Weight (kg)	335	375	550	580
Function	·Suitable for MIG-MAG welding reforming ·Various usage in different formation such as hole expansion, cutting, grooving, bead removal	·Suitable for MIG-MAG welding reforming ·Various usage in different formation such as hole expansion, cutting, grooving, bead removal	·Suitable for MIG-MAG welding reforming ·Various usage in different formation such as hole expansion, cutting, grooving, bead removal	·Suitable for MIG-MAG welding reforming ·Various usage in different formation such as hole expansion, cutting, grooving, bead removal



PLASMA CUTTER

PLASMA CUTTER

Plasma cutting is a process that cuts through electrically conductive materials by means of an accelerated jet of hot plasma. Typical materials cut through this process include steel, aluminum, brass and copper though other conductive metals may be cut as well. Plasma cutting is often used in fabrication and welding shops, automotive repair and restorations, industrial construction, salvage and scrapping operations. Due to the high speed, precision cuts, combined with low cost of operation, plasma cutting sees a widespread usage from large scale industrial CNC applications down to small hobbyist shops.

- Various products range : Multi-function welder (TIG, Plasma, MMA) Plasma cutting (70A ~ 200A)
- Patented cutting torch delivers high precision cutting quality (WT Model)

Inverter DC TIG / Stick & Plasma Cutter



Multi process (Stick + Plasma cutting)



40CLD

Specifications	40CLD
Input voltage (V,PH)	220, 1
Function	STICK PLASMA CUTTING
Input capacity (KW)	6.5 4.6
Open circuit voltage (V)	78.5 336
Output current (A)	10-200 15-40
Duty cycle (%)	40
Dimension (mm)	280(W) X 480(D) X 310(H)
Weight (kg)	21

Function

- Potable size and light weight
- Suitable for using at any place by plug type of 220V, single phase
- DC STICK WELDER**
 - Welding rod : 4mm
 - HOT START FUNCTION : Instantly increase output current for perfect arc start
 - PLASMA CUTTER**
 - Air compressor Built in
 - Suitable for cutting 10mm of steel plate with output current 40A



60CLP

- Potable size and light weight
- Suitable for using at any place by plug type of 220V, single phase
- Ideal for Deck, Duct and Handrail construction

Inverter Air Plasma Cutter (Compressor)

- Cutting thickness : 10mm
- Portable size and light weight
- Air compressor Built in
- Reduced cost due to less nozzle damage
- Ideal for Deck, Duct and Handrail construction



Inverter Air Plasma Cutter



- Energy saving and high efficiency by IGBT Inverter control technology
- Non contact start by Pilot circuit
- Built-in automatic torch switch on lasting duty
- Over-load protect function
- Easy to verify cutting pressure by air pressure indicator on duty

Specifications	200LP
입력전압 (V,PH)	220, 1/3
입력용량 (KW)	36.3
무부하전압 (V)	313@220 Input
출력전류 (A)	45-200
정격 사용률 (%)	60
외형치수 (mm)	410(W) X 920(D) X 750(H)
중량 (kg)	118

제품특징

- Maximum cutting thickness : 60mm
- Ideal for using with CNC cutting machine
- Applicable Plasma gouging torch



200LP

Specifications	200LP
입력전압 (V,PH)	380, 1/3
입력용량 (KW)	36.3
무부하전압 (V)	323@380 Input
출력전류 (A)	45-200
정격 사용률 (%)	60
외형치수 (mm)	410(W) X 920(D) X 750(H)
중량 (kg)	118

- Maximum cutting thickness : 60mm
- Ideal for using with CNC cutting machine
- Applicable Plasma gouging torch



Inverter
Air Plasma
Cutter



70LP

Specifications	
Input voltage (V,PH)	220, 1/3
Input capacity (KW)	8.6
Open circuit voltage (V)	356
Output current (A)	30~70
Duty cycle (%)	40
Dimension (mm)	290(W) X 520(D) X 440(H)
Weight (kg)	24
Function	<ul style="list-style-type: none"> Maximum cutting thickness : 10mm Portable size and light weight Non contact start by Pilot circuit Built-in automatic torch switch on lasting duty Easy to verify air pressure by air pressure indicator on duty



100LP

Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	13.7
Open circuit voltage (V)	275@380 Input
Output current (A)	25~100
Duty cycle (%)	60
Dimension (mm)	330(W) X 680(D) X 545(H)
Weight (kg)	52
Function	<ul style="list-style-type: none"> Maximum cutting thickness : 20mm Non contact start by Pilot circuit Built-in automatic torch switch on lasting duty Easy to verify cutting current and air pressure by ammeter and airpressure indicator on duty



130LP

Specifications	
Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	19.5
Open circuit voltage (V)	273@380 Input
Output current (A)	35~130
Duty cycle (%)	60
Dimension (mm)	398(W) X 770(D) X 640(H)
Weight (kg)	63
Function	<ul style="list-style-type: none"> Maximum cutting thickness : 25mm Non contact start by Pilot circuit Built-in automatic torch switch on lasting duty Easy to verify cutting current and air pressure by ammeter and airpressure indicator on duty



150LP

Input voltage (V,PH)	220/380/440, 1/3
Input capacity (KW)	23.4
Open circuit voltage (V)	263@380 Input
Output current (A)	50~150
Duty cycle (%)	60
Dimension (mm)	398(W) X 830(D) X 640(H)
Weight (kg)	75
Function	<ul style="list-style-type: none"> Maximum cutting thickness : 40mm Non contact start by Pilot circuit Built-in automatic torch switch on lasting duty Easy to verify cutting current and air pressure by ammeter and airpressure indicator on duty



Feature

- Energy saving and high efficiency by IGBT Inverter control technology
- Non contact start by Pilot circuit
- Built-in automatic torch switch on lasting duty
- Over-load protect function
- Easy to verify cutting pressure by air pressure indicator on duty



PLASMA CUTTER



STUD WELDER

ARC STUD WELDER

Arc Stud welding joins a stud and another piece of metal together by heating both parts with an arc. The stud is usually joined to a flat plate by using the stud as one of the electrodes. Stud welding, known as “drawn arc stud welding” uses a type of flux called a ferrule, a ceramic ring which concentrates the heat generated, prevents oxidation and retains the molten metal in the weld zone. On the other hand, there is “short cycle arc stud welding” which has no needs of ferrules depending on welding applications.

• Various products range : CD stud, SCR Arc stud, Inverter Arc stud welder

Inverter CD Stud Welder



Specifications CD Stud Gun (900DST / 1200DST / 1500DST)

Welding stud	3-12
Length (mm)	230 (Cable : 3m)
Weight (kg)	1.2



900DST

Specifications

Input voltage (V,PH)	220, 1
Condenser capacity (uF)	132,000
Charging voltage (V)	20-100
Stud range (φ)	3-6
Dimension (mm)	240(W) X 400(D) X 310(H)
Weight (kg)	13

Function

- Portable and light weight
- Suitable for welding pin or bolt
- Able to weld between different metals such as steel, aluminum, stainless steel, copper, etc
- Easy to verify voltage before welding by preset function



1200DST

Input voltage (V,PH)	220, 1
Condenser capacity (uF)	198,000
Charging voltage (V)	30-160
Stud range (φ)	3-10
Dimension (mm)	260(W) X 460(D) X 360(H)
Weight (kg)	25

Function

- Portable and light weight
- Suitable for welding pin or bolt
- Able to weld between different metals such as steel, aluminum, stainless steel, copper, etc
- Easy to verify voltage before welding by preset function



1500DST2

Input voltage (V,PH)	220, 1
Condenser capacity (uF)	282,000
Charging voltage (V)	30-200
Stud range (φ)	3-12
Dimension (mm)	280(W) X 540(D) X 380(H)
Weight (kg)	33

Function

- Portable and light weight
- Suitable for welding pin or bolt
- Able to weld between different metals such as steel, aluminum, stainless steel, copper, etc
- Easy to verify voltage before welding by preset function

CD STUD WELDER / ARC STUD WELDER

Inverter Arc Stud Welder

Feature

- Energy saving and high efficiency by IGBT Inverter control technology
- Able to weld the bolt, pin on metal instantly without drilling, punching and tapping
- High duty cycle by sufficient capacity of transformer with patent technology
- Easy to verify output current on duty by ammeter on front panel
- Incorruptible painting and qualified metal



500JK2

Specifications

Input voltage (V,PH)	220, 1
Input capacity (KVA)	16
Stud range (φ)	3-8
Current range (A)	50-500
Weld time range (sec)	0.1-1.0
Dimension (mm)	260(W) X 500(D) X 360(H)
Weight (kg)	25

Function

- Portable and light weight
- Best welding quality by IGBT Inverter control technology
- Short cycle / Drawn ARC
- Stud diameter : 3-8mm



1000JK2

Input voltage (V,PH)	380/440, 3
Input capacity (KVA)	35
Stud range (φ)	3-12
Current range (A)	100-1000
Weld time range (sec)	0.1-1.5
Dimension (mm)	385(W) X 890(D) X 610(H)
Weight (kg)	69

Function

- Best welding quality by IGBT Inverter control technology
- Energy saving and high efficiency
- Full digital function : Adjustable welding current and voltage
- Long-lasting power and stability with enough capacity
- Short cycle / Drawn ARC
- Stud diameter : 3-12mm (1000JK2), 3-16mm (1500JK2)



1500JK2

Input voltage (V,PH)	380/440, 3
Input capacity (KVA)	73
Stud range (φ)	3-16
Current range (A)	100-1500
Weld time range (sec)	0.1-1.5
Dimension (mm)	385(W) X 890(D) X 610(H)
Weight (kg)	77

Function

- Best welding quality by IGBT Inverter control technology
- Energy saving and high efficiency
- Full digital function : Adjustable welding current and voltage
- Ideal for stud welding for seismic design
- Short cycle / Drawn ARC
- Stud diameter : 6-25mm



2500JK2

Input voltage (V,PH)	380/440, 3
Input capacity (KVA)	180
Stud range (φ)	6-25
Current range (A)	100-2500
Weld time range (sec)	0.1-1.5
Dimension (mm)	380(W) X 920(D) X 740(H)
Weight (kg)	120

Function

- Best welding quality by IGBT Inverter control technology
- Energy saving and high efficiency
- Full digital function : Adjustable welding current and voltage
- Ideal for stud welding for seismic design
- Short cycle / Drawn ARC
- Stud diameter : 6-25mm



SUBMERGED ARC WELDER

SAW

Submerged arc welding (SAW) is welding process that covers an electric arc beneath a bed of granulated flux by continuously feeding consumable solid or tubular (metal cored) electrodes. The molten weld and the arc zone are protected from atmospheric contamination by being “submerged” under a blanket of granular fusible flux. SAW is normally operated in the automatic or mechanized mode and it makes High speed welding SAW is has advantages : High operating factors in mechanized applications, deep weld penetration, high deposition rates.

- Various products range : SCR, Moving core and Inverter Submerged Welder
- New developed tractor delvers total welding process with easy control

AC Submerged Arc Welder



1500TAS
AC (SCR TYPE)



2000TAS
AC (SCR TYPE)



1500WAS
AC



2000WAS
AC

Specifications

Input voltage (V,PH)	220/380/440, 1	220/380/440, 1	220/380/440, 1	220/380/440, 1
Input capacity (KVA)	135	180	135	180
Open circuit voltage (V)	95	95	95	95
Output current (A)	150~1500	150~2000	150~1500	150~2000
Duty cycle (%)	80	80	80	80
Dimension (mm)	570(W) X 1100(D) X 1450(H)	570(W) X 1100(D) X 1450(H)	800(W) X 1100(D) X 1450(H)	800(W) X 1100(D) X 1450(H)
Weight (kg)	670	690	700	720

Function

·Ideal welding quality for wide industry yard such as ship building, construction
·Excellent welding quality by sufficient capacity of transformer with patent technology
·High quality by AC-DC power supply combination (TANDEM)
·Easy start with SCR AC output

Icons: WS SERIES, SCR CONTROL, 50/60Hz, SUBMERGED, CC, AC

Feature

- Ideal welding quality for wide industry yard such as ship building, construction
- Excellent welding quality by sufficient capacity of transformer with patent technology
- High quality by AC-DC power supply combination (TANDEM)

SUBMERGED ARC WELDER

DC Submerged Arc Welder



1000WDS
DC



1500WDS
DC



2000WDS
DC



Specifications

Input voltage (V,PH)	220/380/440, 3	220/380/440, 3	220/380/440, 3
Input capacity (KVA)	80	120	160
Open circuit voltage (V)	82	82	82
Output current (A)	100~1000	150~1500	200~2000
Duty cycle (%)	80	80	80
Dimension (mm)	720(W) X 1100(D) X 1270(H)	800(W) X 1100(D) X 1450(H)	800(W) X 1100(D) X 1450(H)
Weight (kg)	415	700	720

Function

·Ideal welding quality for wide industry yard such as ship building, construction
·Excellent welding quality by sufficient capacity of transformer with patent technology
·High quality by AC-DC power supply combination (TANDEM)

Icons: WS SERIES, SCR CONTROL, 50/60Hz, SUBMERGED, CC, DC

Inverter Submerged Arc Welder



Specifications

	1200PDS CE	1500PDS CE
Input voltage (V,PH)	220/380/440, 3	220/380/440, 3
Input capacity (KVA)	67	97
Open circuit voltage (V)	82	123
Output current (A)	DC 100~1000	DC 100~1500
Duty cycle (%)	80	80
Dimension (mm)	420(W) X 1060(D) X 800(H)	420(W) X 1060(D) X 840(H)
Weight (kg)	150	170
Function	<ul style="list-style-type: none"> Best welding quality by IGBT Inverter control technology Energy saving and high efficiency Over-load protect function 	<ul style="list-style-type: none"> Best welding quality by IGBT Inverter control technology Energy saving and high efficiency Over-load protect function



Seam tracker



Specifications

	WST200	WST300
Rated Loading capacity (kg)	200	200
Input voltage (V,Ph)	AC 110, 1	AC 110, 1
X/Y Tracking range (mm)	400/300	400/300
Tracking speed (mm/min)	150	150
Tracking accuracy (mm)	0.05~0.5	0.05~0.5
Allowable moment (kg-cm)	2000	2000
X/Y Driving motor (W)	90	90
Driving method	Motor Drive - Reducer - Ball Screw - Seam Tracking	Motor Drive - Reducer - Ball Screw - Seam Tracking
Control type	Up, Down, Left, Right, Pull up Right, Both, Left, Full up, Remote control	Up, Down, Left, Right, Pull up Right, Both, Left, Full up, Remote control
Welding type	Submerged (TANDEM / SINGLE)	Submerged (TANDEM / SINGLE)
Weight (kg)	60	60
Function	<ul style="list-style-type: none"> Improved working conditions and efficiency Clean and uniform welding bead 	<ul style="list-style-type: none"> Simple operation, minimization of defective rate and labor cost reduction Fillet, butt welding device, welding device of square and building structure, round tank straight line and inner and outer welding device

Submerged Arc Welding Tractor



Specifications

	25CT	45CA
Application wire diameter (D)	4.0~6.4	2.4~4.8
Welding speed (cm/min)	0~150	0~100
Nozzle adjustment range (V/H)	75/100	50/50
Hopper capacity (L)	12	6
Wire feeding motor (W)	DC 100	DC 60
Speed control	SCR Control	SCR Control
Welding power	AC or DC	AC or DC
Applicable welding	TANDEM	BUTT JOINT
Dimension (mm)	1530(W) X 730(D) X 1500(H)	960(W) X 450(D) X 690(H)
Weight (kg)	170	50
Function	<ul style="list-style-type: none"> Ideal to use wide welding industry such as shipbuilding, steel frame and automobile industry High quality bead by steady welding Excellent strength, hardness and efficient operation of panel centralization High productivity with tandem welding system Smooth wire feeding by powerful motor Wide adjustment of electrode gap and angle Welding auto travel mode (Auto start / finish) Ideal for H-Beam Fabricating (25CT) Auto flux recovery system (25CT, Optional) Extra wire reel 70kg (25CT, Optional) 	



Welding Rod Flux Dry Oven Flux Recovery



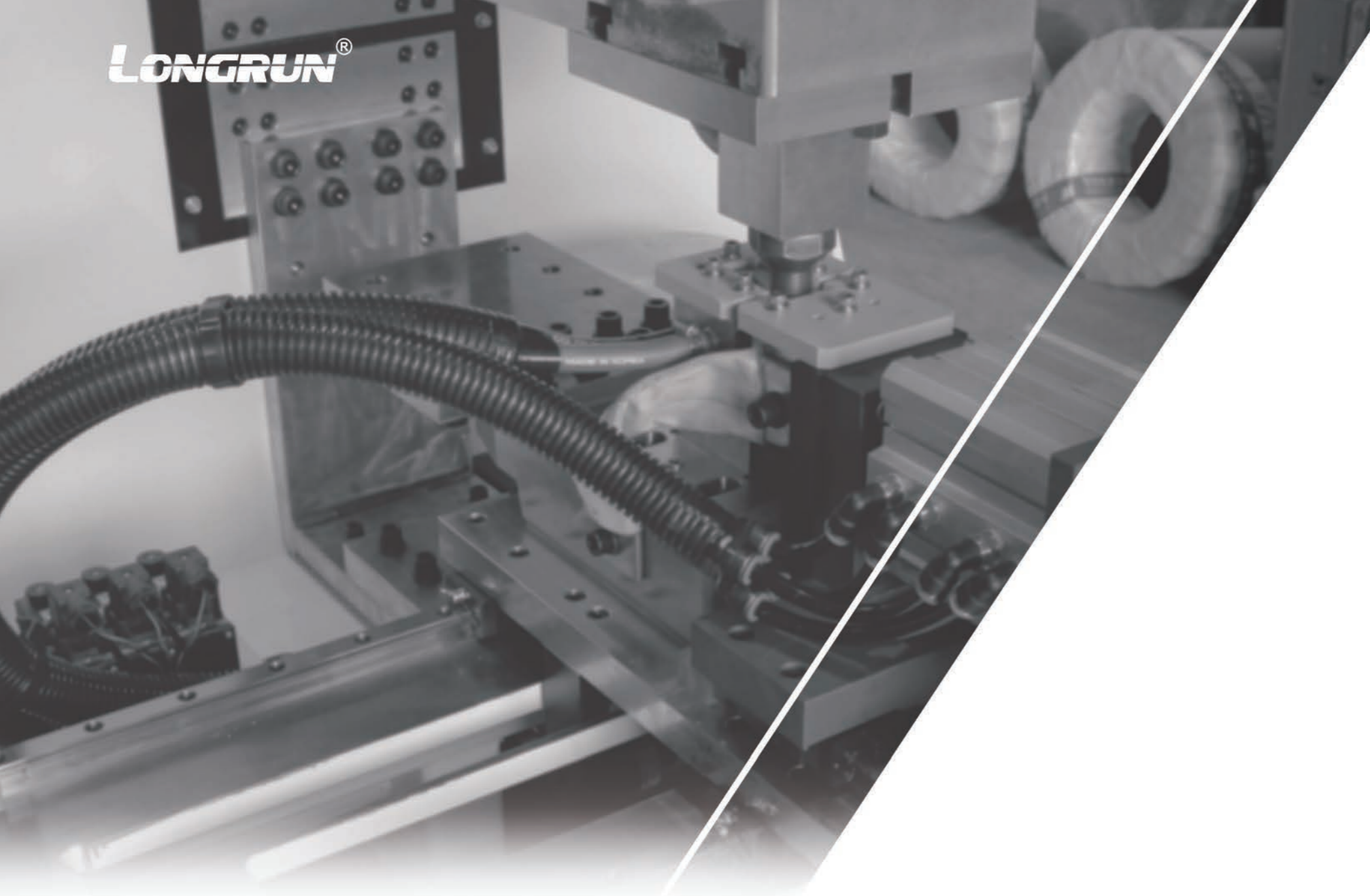
Welding rod dry oven

Flux dry oven

Flux recovery

Specifications

	LWD100	LWD200	LFD100	LFD200
Input voltage (V,PH)	380V, 3	380V, 3	380V, 3	380V, 3
Input capacity (KVA)	3.3	4.5	3.3	5.4
Dry capacity (kg)	100	200	100	200
Welding rod (mm)	450~550	450~550	-	-
Temperature (°C)	50~400	50~400	50~400	50~400
Control	Electric	Electric	Electric	Electric
Weight (kg)	130	170	85	160
Internal dimension (mm)	320(W) X 550(D) X 500(H)	500(W) X 550(D) X 600(H)	400(W) X 440(D) X 620(H)	550(W) X 550(D) X 700(H)
External dimension (mm)	740(W) X 690(D) X 830(H)	920(W) X 690(D) X 930(H)	890(W) X 630(D) X 1330(H)	1050(W) X 810(D) X 1480(H)



SPOT WELDER

RSW

Resistance spot welding (RSW) is a process in which contacting metal surfaces are joined by the heat obtained from resistance to electric current. Work-pieces are held together under pressure exerted by electrodes. The process uses two shaped copper alloy electrodes to concentrate welding current into a small "spot" and to simultaneously clamp the sheets together. Forcing a large current through the spot will melt the metal and form the weld.



- Various products range : Inverter, SCR technologies
- High quality transformer delivers High output with low input

Inverter Spot Welder

Feature

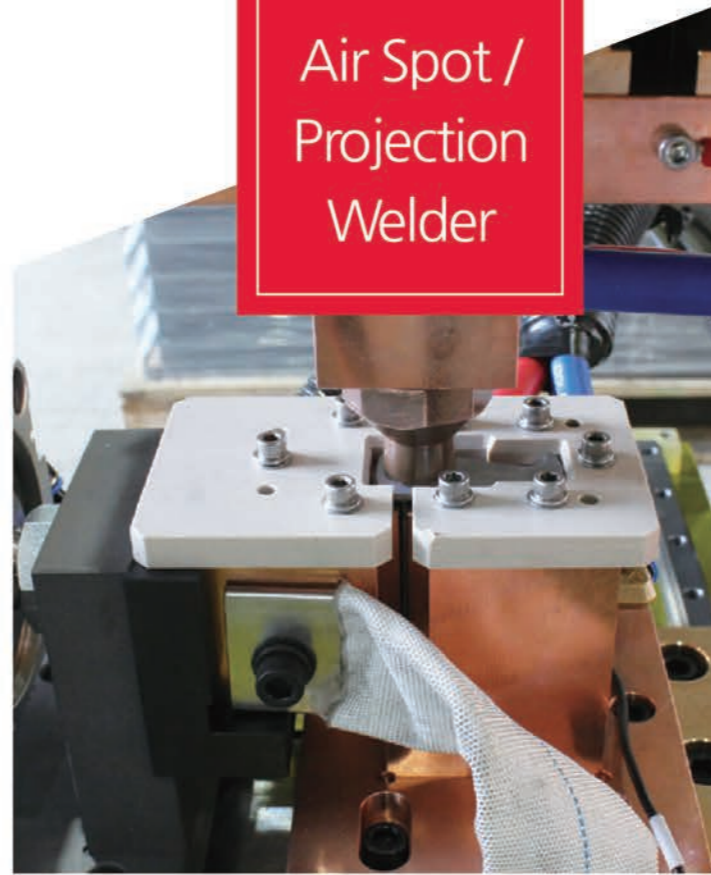
- Auto-sensing and alarming for replacement of TIP dressing
- Built-in USB port for storing and printing
- Built-in Water flowing sensor for proper cooling
- Program Updating service
- Prevention circuit of missing times of SPOT set in initial
- Save Energy 70% more than pre-AC Spot welder
- Digital setting and memorizing welding condition
- Digital control of SPOT pressure



·30000ISP Control display



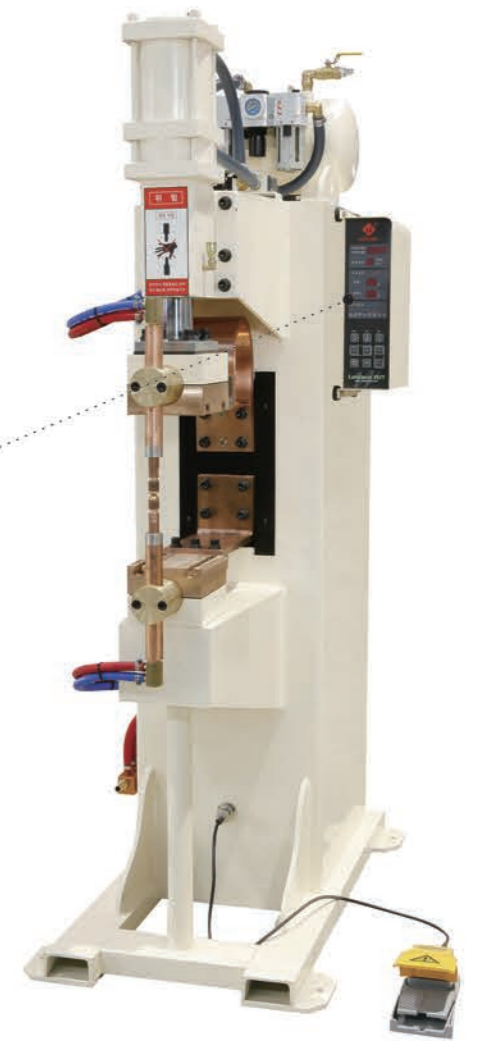
Air Spot / Projection Welder



·Air Spot welder (150LSP)



·Spot Controller 52ST



SPOT WELDER



20000ISP



30000ISP



50000ISP

Specifications

	20000ISP	30000ISP	50000ISP
Input power (V,PH)	380/440, 3	380/440, 3	380/440, 3
Inverter output voltage (V)	AC 500/600	AC 500/600	AC 500/600
Output frequency (kHz)	1~5	1~5	1~5
Maximum output current (kA)	3~20	6~35	9~60
Maximum output voltage (V)	15	15	15
Duty cycle (%)	10	10	10
Dimension (mm)	800(W) X 1100(D) X 2050(H)	800(W) X 1100(D) X 2050(H)	800(W) X 1100(D) X 2050(H)
Weight (kg)	425	450	475

Function	20000ISP	30000ISP	50000ISP
Function	·Digital setting and memorizing welding condition ·Prevention circuit of missing times of SPOT set in initial ·Save Energy 70% more than pre-AC Spot welder		



50LSP



75LSP



100LSP



150LSP

Specifications

	50LSP	75LSP	100LSP	150LSP
Input voltage (V,PH)	220/380/440, 1	220/380/440, 1	220/380/440, 1	220/380/440, 1
Rated capacity (KVA)	50	75	100	150
Max. Short circuit current (A)	18,000	22,000	28,000	40,000
Diameter of Tip (φ)	16	20	20	20
Feature	Suitable for welding up to 1.5mm mild steel, stainless steel and 6mm bolt, nut	Suitable for welding up to 2.5mm mild steel, stainless steel and 8mm bolt, nut	Suitable for welding up to 3.5mm mild steel, stainless steel and 10mm bolt, nut	Suitable for welding 12mm bolt, nut and possible to connect with inverter power supply
Duty cycle (%)	7.20	5.80	6.10	4.70
Weight (kg)	290	505	570	700

Function	50LSP	75LSP	100LSP	150LSP
Function	·Digital control and built in count function ·Welding current control by SCR system ·High output with low input by high quality transformer			
Function				·Memory function to store welding condition (5 slots) ·Two-head welding (Optional)





WATER COOLER & CHILLER

WATER COOLING

A water chiller is a mechanical device used to facilitate heat exchange from water to a refrigerant in a closed loop system. The refrigerant is then pumped to a location where the waste heat is transferred to the atmosphere. Water chiller can be used for cooling down welding torches and other industrial devices.

- Cooling devices : TIG, MAG/MIG, Plasma cutting and welding, Spot welding
- Optimized to adopt Auto mation system, Industrial machines

Water Cooler



Feature

- Cooling system for TIG, MIG torch
- Forced air cooled by radiator
- Built-in High performance pump
- Incorruptible painting case

Specifications

	250WC2	350WC	500WC	700WC	900WC
Input voltage (V,PH,HZ)	220, 1, 60	220, 1, 60	220, 1, 60	220, 1, 60	220, 1, 60
Output volume (L/min)	5.5	6.5	6.5	6.5	6.5
Output pressure (kg/cm ²)	1	1~3	1~3	1~3	1~3
Cooling capacity (kcal/hr)	250	350	500	700	1500
Tank capacity (L)	12	12	25	25	50
Cooling method	Radiator	Radiator	Radiator	Radiator	Radiator
Pump capacity (W)	80	125	125	125	350
Dimension (mm)	295(W) X 445(D) X 350(H)	330(W) X 530(D) X 320(H)	330(W) X 660(D) X 460(H)	350(W) X 600(D) X 640(H)	475(W) X 655(D) X 780(H)
Weight (kg)	12	18	21	27	48
Function	<ul style="list-style-type: none"> · Cooling system for TIG, MIG torch · Forced air cooled by radiator · Effective cooling under 10m torch line by direct connection to torch 	<ul style="list-style-type: none"> · Cooling system for TIG, MIG torch · Forced air cooled by radiator · Effective cooling under 10m torch line by direct connection to torch · Adjustable water pressure and suitable for TIG welding machine 	<ul style="list-style-type: none"> · Cooling system for TIG, MIG torch · Forced air cooled by radiator · Effective cooling under 10m torch line by direct connection to torch · Adjustable water pressure and suitable for TIG welding machine 	<ul style="list-style-type: none"> · Cooling system for SPOT welder · Forced air cooled by radiator · Adjustable water pressure and suitable for Spot welding machine · Suitable for high duty working yard 	<ul style="list-style-type: none"> · Cooling system for SPOT welder · Forced air cooled by radiator · Adjustable water pressure and suitable for Spot welding machine · Suitable for high duty working yard



WATER COOLER & CHILLER

Water Chiller

Feature

- High-powered, silent compressor equipped
- Delicate thermal control
- Compact design
- Built in High capacity pump
- Precision temperature control by digital control system
- Incorruptible painting case

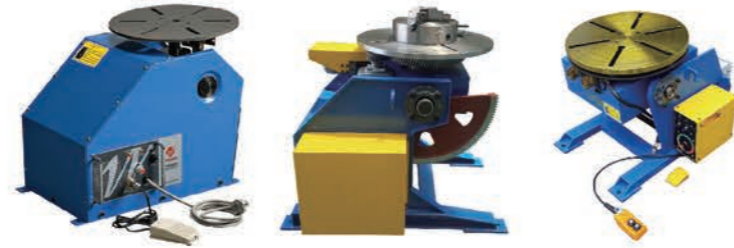


Specifications

	1000WC	2000WC
Input voltage (V,PH,HZ)	220, 1, 60	220, 1, 60
Cooling capacity (kcal/hr)	2800-3000	5600-6000
Temperature control range (°C)	10~30	10~30
Cooling water pressure range (kg/cm ²)	1~3	1~3
Cooling water tank capacity (L)	25	40
Refrigerant	R-22	R-22
Compressor capacity (kw)	0.75 (1hp)	1.5 (2hp)
Circulation pump capacity (W)	350	350
Dimension (mm)	482(W) X 660(D) X 780(H)	560(W) X 860(D) X 1020(H)
Function	<ul style="list-style-type: none"> · High-powered, silent compressor equipped · Built in High capacity pump · Precision temperature control by digital control system 	<ul style="list-style-type: none"> · High-powered, silent compressor equipped · Built in High capacity pump · Precision temperature control by digital control system



Tum Table / Positioner



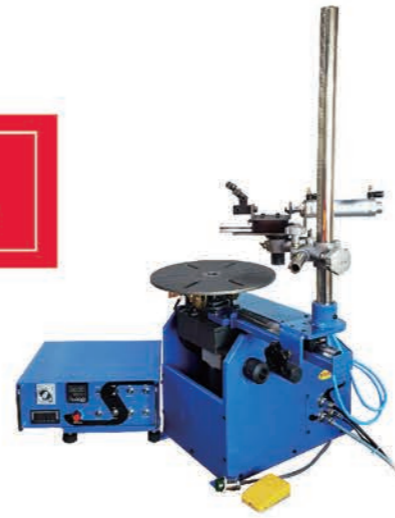
Specifications		50TT	100TT	150TT	300TT	500TT
Input voltage (V,PH)		220, 1	220, 1	220, 1	220, 1	220, 1
Load capacity (kg)	Horizontal	50	100	150	200	500
	Vertical	20	40	60	120	200
Tilting angle		0-90	0-90	0-90	0-90	0-90
R.P.M	Rotation	0.5-6	0.5-3	0.8-5	0.5-1.5	0.2-1.1
	Tilt	Manual	Manual	Manual	Handle	0.37
Diameter (mm)		310	310	300	500	600
Dimension (mm)		280(W) X 400(D) X 470(H)	280(W) X 400(D) X 490(H)	320(W) X 500(D) X 465(H)	500(W) X 830(D) X 600(H)	645(W) X 1085(D) X 715(H)
Weight (kg)		29.5	30	50	280	450
Function		<ul style="list-style-type: none"> For welding cylinder, pipe's joint and flange with turning table Built-in spin direction and speed volume controller Adjustable table's angle by lever Maintain turning speed by DC motor and IC control panel 				



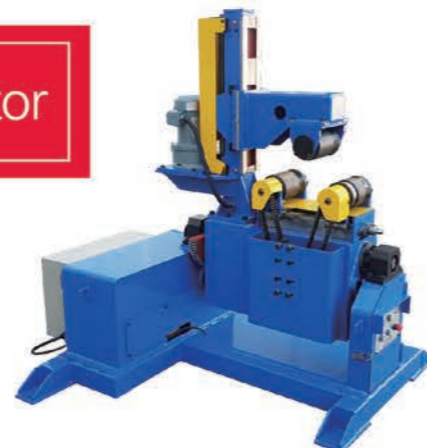
Turning Roller



Auto Turn Table



Pipe Rotator



BINZEL Torch



Wire Feeder



TIG Accessories



Plasma Cutter Accessories



Laser
Robot
Automation



Welding Robot

Robot Driving Welding Equipment



CO2 Head



LASER 1.5KW Head



LASER 3KW Head



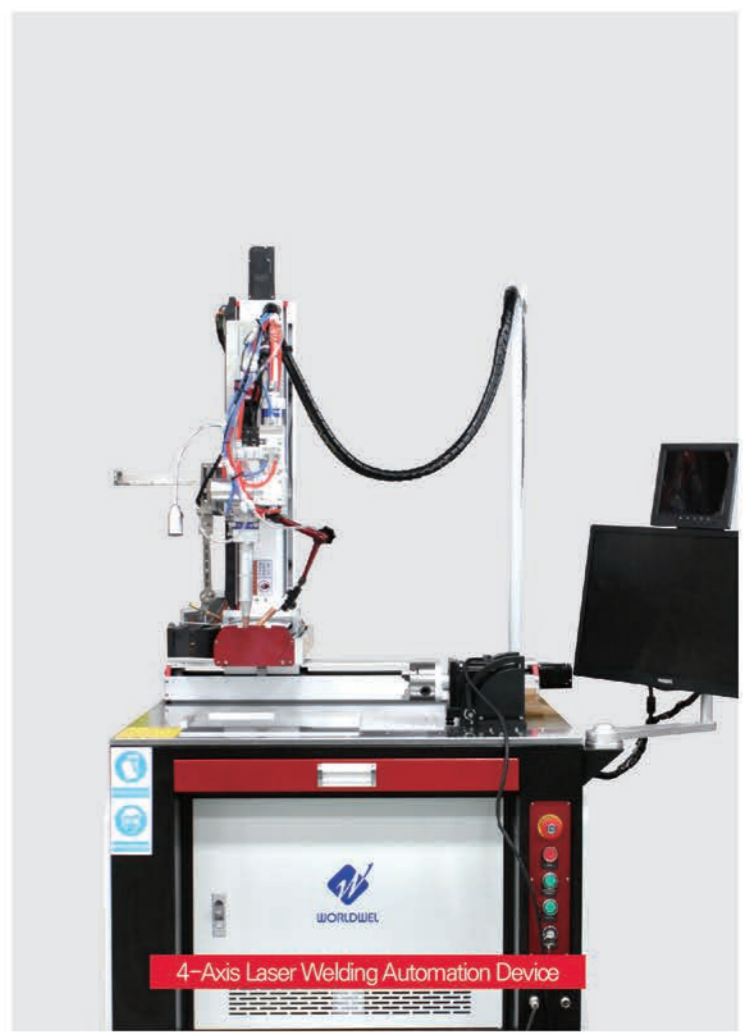
TIG Head



6-Pole CO2 Welding Equipment



SAW Mani-plate Welding Equipment



4-Axis Laser Welding Automation Device



Laser Sanitary Pipe Welding Equipment

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I would like to express my deepest to you
all for support and care

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