



**SHENZHEN COSTAR TECHNOLOGY CO.,LTD**



[costartech.en.alibaba.com](http://costartech.en.alibaba.com)



[michellefu033@hotmail.com](mailto:michellefu033@hotmail.com)



5th Floor, Building c, Yongjianhong Science and Technology Park, Shenzhen city, China



# ABOUT US

Guangdong Riwang Technology Co., Ltd. is a high - tech enterprise that seamlessly integrates independent research and development, production, and sales. Upholding the core value of "Focus on Welding, Serve with Heart" and the business philosophy of "Innovation, Positivity, Pragmatism", Riwang consistently stands at the forefront of the industry. We are constantly introducing new technologies and making innovations, which significantly boosts production efficiency. With our professional EMS positioning, we have successfully built deep - seated trust with our customers and become the top choice for numerous partners.

Riwang adheres to the rigorous spirit of "Do it Right the First Time". By comprehensively implementing a quality management system and continuously optimizing and improving every single process, we are able to continuously supply the manufacturing and processing industries in China and around the world with top - notch welding products and high - level technical services.

In terms of products, Riwang Company, as a professional domestic manufacturer of industrial welding machines, offers a diverse product line. It encompasses various products such as gas - shielded welding machines, plasma cutting machines, plasma cutting machines with built - in air pumps, manual welding machines, multi - functional aluminum pulse gas - shielded welding machines, AC/DC pulse TIG welding machines, etc., fully meeting the diverse needs of different customers.

At present, Riwang's products have been exported to more than 80 countries and regions worldwide, spanning Europe, the Americas, Africa, Oceania, the Middle East, and Southeast Asia. Looking ahead, Riwang will remain unwavering in promoting the development of the industry towards automation, intelligence, and environmental protection and energy conservation. We will continuously introduce high - tech products that meet the requirements of the low - carbon economy. We sincerely look forward to joining hands with all sectors, keeping pace with the times, contributing to the development of automated industrial equipment, and jointly creating a brilliant future!

# contents

|                                                                          |       |
|--------------------------------------------------------------------------|-------|
| MULTI FUNCTION MIG WELDER-MIG/CUT/TIG/ARC GAS GASLESS DC INVERTER WELDER | 3-6   |
| INVERTER MIG/MAG/PULSE/ARC WELDING MACHINE                               | 7-22  |
| INVERTER MIG/MAG/DUAL PULSE WELDING MACHINE                              | 23-28 |
| AIR PLASMA CUTTER                                                        | 29-34 |
| PLASMA CUTTER WITH BUILT-IN AIR COMPRESSOR                               | 35-40 |
| MULTIFUNCTIONAL INVERTER TIG AC/DC PULSE ARC WELDING POWER SUPPLY        | 41-52 |
| INVERTER ARC WELDING MACHINE                                             | 53-60 |



LED



## CTM 200 Digital

Multi function MIG welder-MIG/CUT/TIG/ARC  
gas gasless DCinverter welder

CUT: Quality cutting:8mm Extreme cutting:12mm



### Optional accessories



3m aluminum  
MIG torch



5 meters CUT  
torch



5m TIG torch



2.5 meter  
electric welding pliers



2.5m earth cable  
with clamp



36V CO2 regulator



3 meters of air pipe

| Item model                       | CTM-200 /MIG                    | CTM-200 /CUT     | CTM-200 /TIG     | CTM-200 /MMA     |
|----------------------------------|---------------------------------|------------------|------------------|------------------|
| Input voltage(V,HZ)              | 220V±15% 50-60HZ                | 220V±15% 50-60HZ | 220V±15% 50-60HZ | 220V±15% 50-60HZ |
| Input current(A)                 | 23A                             | 19A              | 18.5A            | 21A              |
| Rated input power capacity (KVA) | 7.2KVA                          | 6.1KVA           | 6.1KVA           | 6.5KVA           |
| Output Current Range(A)          | 20A-200A                        | 20A-40A          | 10A-200A         | 30A-160A         |
| No-load voltage (V)              | 56V                             | 282V             | 56V              | 56V              |
| Rated output voltage (V)         | 15V-24V                         | 88V-96V          | 10.4V-18V        | 21.2V-26.4V      |
| Duty rate (%)                    | 40%                             | /                | /                | /                |
| efficiency(%)                    | ≥80%                            | /                | /                | /                |
| Power factor (COSφ)              | 0.8                             | /                | /                | /                |
| Suitable Wire Diameter(mm)       | 0.8-1.0-1.2                     | /                | /                | /                |
| Wire feeder form                 | Wire feeder Inbuilt MIG machine | /                | /                | /                |
| weight(kg)                       | 11.5                            | /                | /                | /                |
| Dimensions(mm)                   | 510X260X440                     | /                | /                | /                |
| insulation level                 | F                               | /                | /                | /                |
| Enclosure protection class       | IP21S                           | /                | /                | /                |



LCD



## CTM 200

Digital

Multi function MIG welder-MIG/CUT/TIG/ARC  
gas gasless DCinverter welder

CUT: Quality cutting:8mm Extreme cutting:12mm



### Optional accessories



3m aluminum  
MIG torch



5 meters CUT  
torch



5m TIG torch



2.5 meter  
electric welding pliers



2.5m earth cable  
with clamp



36V CO2 regulator



3 meters of air pipe

| Item model                       | CTM-200 /MIG                    | CTM-200 /CUT     | CTM-200 /TIG     | CTM-200 /MMA     |
|----------------------------------|---------------------------------|------------------|------------------|------------------|
| Input voltage(V,HZ)              | 220V±15% 50-60HZ                | 220V±15% 50-60HZ | 220V±15% 50-60HZ | 220V±15% 50-60HZ |
| Input current(A)                 | 23A                             | 19A              | 18.5A            | 21A              |
| Rated input power capacity (KVA) | 7.2KVA                          | 6.1KVA           | 6.1KVA           | 6.5KVA           |
| Output Current Range(A)          | 20A-200A                        | 20A-40A          | 10A-200A         | 30A-160A         |
| No-load voltage (V)              | 56V                             | 282V             | 56V              | 56V              |
| Rated output voltage (V)         | 15V-24V                         | 88V-96V          | 10.4V-18V        | 21.2V-26.4V      |
| Duty rate (%)                    | 40%                             | /                | /                | /                |
| efficiency(%)                    | ≥80%                            | /                | /                | /                |
| Power factor (COSφ)              | 0.8                             | /                | /                | /                |
| Suitable Wire Diameter(mm)       | 0.8-1.0-1.2                     | /                | /                | /                |
| Wire feeder form                 | Wire feeder Inbuilt MIG machine | /                | /                | /                |
| weight(kg)                       | 11.5                            | /                | /                | /                |
| Dimensions(mm)                   | 510X260X440                     | /                | /                | /                |
| insulation level                 | F                               | /                | /                | /                |
| Enclosure protection class       | IP21S                           | /                | /                | /                |



# MIG 220S Digital

Multi function MIG welder - MIG/PULSE/ARC/Lift TIG  
gas gasless DC inverter welder



| Item model                       | MIG-220S                        | MIG-200P                        | MIG 160P                        |
|----------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Input voltage(V,HZ)              | 220V±15% 50-60HZ                | 220V±15% 50-60HZ                | 220V±15% 50-60HZ                |
| Input current(A)                 | 23A                             | 23A                             | 17A                             |
| Rated input power capacity (KVA) | 7.2KVA                          | 7.2KVA                          | 5.5KVA                          |
| Output Current Range(A)          | 20A-200A                        | 20A-200A                        | 20A-160A                        |
| No-load voltage (V)              | 56V                             | 56V                             | 56V                             |
| Rated output voltage (V)         | 15V-24V                         | 15V-24V                         | 15V-22V                         |
| Duty rate (%)                    | 60%                             | 60%                             | 60%                             |
| efficiency(%)                    | ≥80%                            | ≥80%                            | ≥80%                            |
| Power factor (COSφ)              | 0.8                             | 0.8                             | 0.8                             |
| Suitable Wire Diameter(mm)       | 0.8-1.0-1.2                     | 0.8-1.0-1.2                     | 0.8-1.0-1.2                     |
| Wire feeder form                 | Wire feeder Inbuilt MIG machine | Wire feeder Inbuilt MIG machine | Wire feeder Inbuilt MIG machine |
| weight(kg)                       | 19                              | 10.5                            | 9.6                             |
| Dimensions(mm)                   | 645X315X530                     | 510X260X440                     | 510X260X440                     |
| insulation level                 | F                               | F                               | F                               |
| Enclosure protection class       | IP21S                           | IP21S                           | IP21S                           |

# MIG 200P Digital

Multi function MIG welder - MIG/PULSE/ARC/Lift  
TIG gas gasless DC inverter welder



### Features

- Full bridge IGBT converter and PWM technology, Digital control system.
- make less spatter and perfect welding performance
- Smooth and fast spot welding, full welding spots.
- Sufficient output current, Multifunction welder for industrial use: MIG/MAG & MMA.
- Electronic antifiers design, short -circuit transition waveform control, stable output current, less spatter.
- Arc force and welding ball cutting circuit make sure arc start successfully.
- Operation safety protection against over-voltage, low-voltage, over-current and over-heated.
- Full LED digital control system.
- Compact machine cover design. Dustproof, waterproof, anti -corrosion protection.
- Multi function MIG welder - MIG/ARC/Lift TIG gas gasless welding.

### Optional accessories





# MIG 200

Digital

Multi function MIG welder - MIG/ARC/Lift TIG  
gas gasless DC inverter welder



| Item model                       | MIG 200                         | MIG 160                         |
|----------------------------------|---------------------------------|---------------------------------|
| Input voltage(V,HZ)              | 220V±15% 50-60HZ                | 220V±15% 50-60HZ                |
| Input current(A)                 | 23A                             | 17A                             |
| Rated input power capacity (KVA) | 7.2KVA                          | 5.5KVA                          |
| Output Current Range(A)          | 20A-200A                        | 20A-160A                        |
| No-load voltage (V)              | 56V                             | 56V                             |
| Rated output voltage (V)         | 15V-24V                         | 15V-22V                         |
| Duty rate (%)                    | 60%                             | 60%                             |
| efficiency(%)                    | ≥80%                            | ≥80%                            |
| Power factor (COSφ)              | 0.8                             | 0.8                             |
| Suitable Wire Diameter(mm)       | 0.8-1.0-1.2                     | 0.8-1.0-1.2                     |
| Wire feeder form                 | Wire feeder Inbuilt MIG machine | Wire feeder Inbuilt MIG machine |
| weight(kg)                       | 10.5                            | 9.6                             |
| Dimensions(mm)                   | 510X260X440                     | 510X260X440                     |
| insulation level                 | F                               | F                               |
| Enclosure protection class       | IP21S                           | IP21S                           |

# MIG 160

Digital

Multi function MIG welder - MIG/ARC/Lift  
TIG gas gasless DC inverter welder



## Features

- Full bridge IGBT converter and PWM technology, Digital control system.
- make less spatter and perfect welding performance
- Smooth and fast spot welding, full welding spots.
- Sufficient output current, Multifunction welder for industrial use: MIG/MAG & MMA.
- Electronic antiifers design, short -circuit transition waveform control, stable output current, less spatter.
- Arc force and welding ball cutting circuit make sure arc start successfully.
- Operation safety protection against over-voltage, low-voltage, over-current and over-heated.
- Full LED digital control system.
- Compact machine cover design. Dustproof, waterproof, anti -corrosion protection.
- Multi function MIG welder - MIG/ARC/Lift TIG gas gasless welding.

## Optional accessories



3m aluminum  
MIG torch



2.5 meter  
electric welding pliers



2.5m earth cable  
with clamp



36V CO2 regulator



3 meters of air pipe





# MIG 250S/280S

Digital

Multi function MIG welder-MIG/PULSE/ARC/Lift TIG  
gas gasless Dcinverter welder



### Features

- Digital precise control, with a variety of intelligent control functions and modes
- Accurately preset current voltage and excellent dynamic characteristics.
- IGBT inverter technology,, sufficient output current, industrial usage: MIG/MAG & MMA.
- Short -circuit transition waveform control stable welding current, less spatter.
- Arc force and welding ball cutting circuit make sure arc start successfully.
- Full LED digital control system.
- Dustproof,waterproof, anti -corrosion protection.Withindependent air ducts, for better heat dissipation and better dustproof.
- solid wire with gas welding or flux-cored wire without gas welding carbon steel and stainless steel



### Optional accessories



| Item model                       | MIG 250S                        | MIG 280S                        |
|----------------------------------|---------------------------------|---------------------------------|
| Input voltage(V,HZ)              | 220V±15% 50-60HZ                | 380V±15% 50-60HZ                |
| Input current(A)                 | 28.5A                           | 15.5A                           |
| Rated input power capacity (KVA) | 9.2KVA                          | 11.5KVA                         |
| Output Current Range(A)          | 20A-230A                        | 20A-280A                        |
| No-load voltage (V)              | 72V                             | 63V                             |
| Rated output voltage (V)         | 15V-25.5V                       | 15V-28V                         |
| Duty rate (%)                    | 60%                             | 60%                             |
| efficiency(%)                    | ≥80%                            | ≥80%                            |
| Power factor (COSφ)              | 0.8                             | 0.8                             |
| Suitable Wire Diameter(mm)       | 0.8-1.0-1.2                     | 0.8-1.0-1.2                     |
| Wire feeder form                 | Wire feeder Inbuilt MIG machine | Wire feeder Inbuilt MIG machine |
| weight(kg)                       | 32                              | 33                              |
| Dimensions(mm)                   | 740X375X750                     | 740X375X750                     |
| insulation level                 | F                               | F                               |
| Enclosure protection class       | IP21S                           | IP21S                           |



# MIG 300S/350S

Digital

Multi function MiG welder-MIG/PULSE/ARC/Lift TIG  
gas gasless Dcinverter welder



## Features

- Digital precise control, with a variety of intelligent control functions and modes,
- Accurately preset current voltage and excellent dynamic characteristics.
- IGBT inverter technology, Sufficient output current, industrial usage: MIG/MAG & MMA.
- Short -circuit transition waveform control, stable welding current, less spatter.
- Arc force and welding ball cutting circuit make sure arc start successfully.
- Full LED digital control system.
- Dustproof, waterproof, anti -corrosion protection. With independent air ducts, for better heat dissipation and better dustproof.
- solid wire with gas welding or flux-cored wire without gas welding carbon steel and stainless steel.



## Optional accessories



| Item model                       | MIG 300S                        | MIG 350S (With water cooler)    |
|----------------------------------|---------------------------------|---------------------------------|
| Input voltage(V,HZ)              | 380V±15% 50-60HZ                | 380V±15% 50-60HZ                |
| Input current(A)                 | 17.5A                           | 22A                             |
| Rated input power capacity (KVA) | 12KVA                           | 15KVA                           |
| Output Current Range(A)          | 20A-300A                        | 20A-350A                        |
| No-load voltage (V)              | 63V                             | 63V                             |
| Rated output voltage (V)         | 15V-29V                         | 15V-31.5V                       |
| Duty rate (%)                    | 60%                             | 60%                             |
| efficiency(%)                    | ≥80%                            | ≥80%                            |
| Power factor (COSφ)              | 0.9                             | 0.9                             |
| Suitable Wire Diameter(mm)       | 0.8-1.0-1.2                     | 0.8-1.0-1.2                     |
| Wire feeder form                 | Wire feeder Inbuilt MIG machine | Wire feeder Inbuilt MIG machine |
| weight(kg)                       | 34.5                            | 36                              |
| Dimensions(mm)                   | 740X375X750                     | 740X375X750                     |
| insulation level                 | F                               | F                               |
| Enclosure protection class       | IP21S                           | IP21S                           |



# MIG 360S/500S

Digital

Multi function MiG welder-MIG/PULSE/ARC/Lift TIG  
gas gasless pcinverter welder



### Features

- Digital precise control, with a variety of intelligent control functions and modes.
- Accurately preset current voltage and excellent dynamic characteristics.
- IGBT inverter technology, Sufficient output current, industrial usage: MIG/MAG & MMA.
- Short -circuit transition waveform control, stable welding current, less spatter.
- Arc force and welding ball cutting circuit make sure arc start successfully.
- Full LED digital control system.
- Dustproof, waterproof, anti -corrosion protection. With independent air ducts, for better heat dissipation and better dustproof.
- solid wire with gas welding or flux-cored wire without gas welding carbon steel and stainless steel.



### Optional accessories



Wire Feeder



5 meters connecting cable



3m aluminum MIG torch



36V CO2 regulator



2.5m earth cable with clamp



2.5 meter electric welding pliers

| Item model                       | MIG 500S                         | MIG 360S                         |
|----------------------------------|----------------------------------|----------------------------------|
| Input voltage(V,HZ)              | 380V±15% 50/60Hz                 | 380V±15% 50/60Hz                 |
| Input current(A)                 | 38.5A                            | 22.8A                            |
| Rated input power capacity (KVA) | 25                               | 15                               |
| Output Current Range(A)          | 20A-500A                         | 20A-350A                         |
| No-load voltage (V)              | 72                               | 67.5                             |
| Rated output voltage (V)         | 16.5-39                          | 16-31.5                          |
| Duty rate (%)                    | 60                               | 60                               |
| efficiency(%)                    | ≥80                              | ≥80                              |
| Power factor (COSφ)              | 0.93                             | 0.93                             |
| Suitable Wire Diameter(mm)       | 0.8/1.0/1.2/1.6                  | 0.8/1.0/1.2                      |
| Wire feeder form                 | Wire feeder External MIG machine | Wire feeder External MIG machine |
| weight(kg)                       | 110                              | 98                               |
| Dimensions(mm)                   | 1140X640X1660                    | 710X385X680                      |
| insulation level                 | F                                | F                                |
| Enclosure protection class       | IP21S                            | IP21S                            |



MIG 250/300

Digital

INVERTER MIG/MAG/ARC WELDING MACHINE



Optional accessories



2.5m earth cable with clamp



2.5 meter electric welding pliers

Features

- Digital precise control, with a variety of intelligent control functions and modes.
- Accurately preset current voltage and excellent dynamic characteristics.
- IGBT inverter technology,, Sufficient output current, industrial usage: MIG/MAG & MMA.
- Short -circuit transition waveform control, stable welding current, less spatter.
- Arc force and welding ball cutting circuit make sure arc start successfully.
- Full LED digital control system.
- Dustproof, waterproof, anti -corrosion protection. With independent air ducts, for better heat dissipation and better dustproof.
- solid wire with gas welding or flux-cored wire without gas welding carbon steel and stainless steel.



Optional accessories



3m aluminum MIG torch



36V CO2 regulator



3 meters of air pipe

| Item model                       | MIG 250                         | MIG 300                         |
|----------------------------------|---------------------------------|---------------------------------|
| Input voltage(V,HZ)              | 220V±15% 50-60HZ                | 380V±15% 50-60HZ                |
| Input current(A)                 | 28.5A                           | 17.5A                           |
| Rated input power capacity (KVA) | 9.2KVA                          | 12KVA                           |
| Output Current Range(A)          | 20A-230A                        | 20A-300A                        |
| No-load voltage (V)              | 60V                             | 63V                             |
| Rated output voltage (V)         | 15V-25.5V                       | 15V-29V                         |
| Duty rate (%)                    | 60%                             | 60%                             |
| efficiency(%)                    | ≥80%                            | ≥80%                            |
| Power factor (COSφ)              | 0.8                             | 0.9                             |
| Suitable Wire Diameter(mm)       | 0.8-1.0-1.2                     | 0.8-1.0-1.2                     |
| Wire feeder form                 | Wire feeder Inbuilt MIG machine | Wire feeder Inbuilt MIG machine |
| weight(kg)                       | 33                              | 33                              |
| Dimensions(mm)                   | 740X375X750                     | 740X375X750                     |
| insulation level                 | F                               | F                               |
| Enclosure protection class       | IP21S                           | IP21S                           |



# MIG 350

Digital

## INVERTER MIG/MAG/ARC WELDING MACHINE



| Item model                       | MIG/MAG 350                      |  |
|----------------------------------|----------------------------------|--|
| Input voltage(V,HZ)              | 380V±15% 50/60Hz                 |  |
| Input current(A)                 | 22.8                             |  |
| Rated input power capacity (KVA) | 15                               |  |
| Output Current Range(A)          | 60-350                           |  |
| No-load voltage (V)              | 67.5                             |  |
| Rated output voltage (V)         | 16-31.5                          |  |
| Duty rate (%)                    | 60                               |  |
| efficiency(%)                    | ≥80                              |  |
| Power factor (COSφ)              | 0.93                             |  |
| Suitable Wire Diameter(mm)       | 0.8/1.0/1.2                      |  |
| Wire feeder form                 | Wire feeder External MIG machine |  |
| weight(kg)                       | 29.3                             |  |
| Dimensions(mm)                   | 710X385X680                      |  |
| insulation level                 | F                                |  |
| Enclosure protection class       | IP21S                            |  |

### Features

- Digital precise control, with a variety of intelligent control functions and modes.
- Accurately preset current voltage and excellent dynamic characteristics.
- IGBT inverter technology, Sufficient output current, industrial usage: MIG/MAG & MMA.
- Short-circuit transition waveform control, stable welding current, less spatter.
- Arc force and welding ball cutting circuit make sure arc start successfully.
- Full LED digital control system.
- Dustproof, waterproof, anti-corrosion protection. With independent air ducts, for better heat dissipation and better dustproof.
- solid wire with gas welding or flux-cored wire without gas welding carbon steel and stainless steel.

# MIG 320

Digital

Multifunction welder for industrial use:  
MIG/MAG & ARC



### Optional accessories



Wire Feeder



5 meters connecting cable



2.5m earth cable with clamp



2.5 meter electric welding pliers



3m MIG torch



36V CO2 regulator

| Item model                       | MIG 320                          | MIG 320                          |
|----------------------------------|----------------------------------|----------------------------------|
| Input voltage(V,HZ)              | 220V±15% 50-60HZ                 | 380V±15% 50-60HZ                 |
| Input current(A)                 | 28.5A                            | 15.5A                            |
| Rated input power capacity (KVA) | 9.2KVA                           | 11.5KVA                          |
| Output Current Range(A)          | 20A-230A                         | 20A-280A                         |
| No-load voltage (V)              | 60V                              | 52V                              |
| Rated output voltage (V)         | 15V-25.5V                        | 15V-28V                          |
| Duty rate (%)                    | 60%                              | 60%                              |
| efficiency(%)                    | ≥80%                             | ≥80%                             |
| Power factor (COSφ)              | 0.8                              | 0.9                              |
| Suitable Wire Diameter(mm)       | 0.8-1.0-1.2                      | 0.8-1.0-1.2                      |
| Wire feeder form                 | Wire feeder External MIG machine | Wire feeder External MIG machine |
| weight(kg)                       | 18                               | 18                               |
| Dimensions(mm)                   | 595X315X530                      | 595X315X530                      |
| insulation level                 | F                                | F                                |
| Enclosure protection class       | IP21S                            | IP21S                            |



MIG 200DP/230DP

Digital

INVERTER MIG/MAG//DUAL PULSE/ARC/Lift TIG  
WELDING MACHINE



Features

- Multi-function machine, for carbon steel, stainless steel, aluminum alloy, etc.
- With synergic control IC system, parameter adjustment already been built in.
- High -speed full digital control, monitoring every stage of welding transition, accurately realize "one pulse and one drop" to obtain stable welding that is almost no spatter.
- A variety of aluminum welding expert systems and special programs ensure that various aluminum materials get the best welding quality.



Optional accessories

- 

3m aluminum MIG torch
- 

36V CO2 regulator
- 

2.5m earth cable with clamp
- 

2.5 meter electric welding pliers
- 

3 meters of air pipe

| Item model                            | MIG 200DP                       | MIG 230DP                       |
|---------------------------------------|---------------------------------|---------------------------------|
| Input voltage(V,HZ)                   | 220V±15% 50-60HZ                | 380V±15% 50-60HZ                |
| Input current(A)                      | 23A                             | 9.5A                            |
| Rated input power capacity (KVA)      | 7.2KVA                          | 6.5KVA                          |
| Output Current Range(A)               | 20A-200A                        | 20A-220A                        |
| No-load voltage (V)                   | 56V                             | 56V                             |
| Rated output voltage (V)              | 15V-24V                         | 15V-24V                         |
| Duty rate (%)                         | 60%                             | 60%                             |
| efficiency                            | ≥80%                            | ≥80%                            |
| Power factor (COSφ)                   | 0.8                             | 0.9                             |
| Applicable welding wire diameter (mm) | 0.8-1.0-1.2                     | 0.8-1.0-1.2                     |
| Wire Feeder form                      | Wire feeder Inbuilt MIG machine | Wire feeder Inbuilt MIG machine |
| weight(kg)                            | 13                              | 20                              |
| Dimensions(mm)                        | 590X260X440                     | 650X315X530                     |
| insulation level                      | F                               | F                               |
| Enclosure protection level            | IP21S                           | IP21S                           |



# MIG 280DP/350DP

INVERTER MIG/MAG//DUAL PULSE/ARC  
WELDING MACHINE

Digital



## Features

- Multi-function machine, for carbon steel, stainless steel, aluminum alloy, etc.
- With synergic control Ic system, parameter adjustment already been built in.
- High -speed full digital control, monitoring every stage of weldingtransition, accurately realize "one pulse and oned rop" to obtain stable welding that is almost no spatter.
- A variety of aluminum weldingexpert systems and special programs ensure that various aluminum materials get the best welding quality.



## Optional accessories



3m aluminum MIG torch



36V CO2 regulator



2.5m earth cable with clamp



2.5 meter electric welding pliers



3 meters of air pipe

| Item model                            | MIG 280DP                       | MIG 350DP (With water cooler)   |
|---------------------------------------|---------------------------------|---------------------------------|
| Input voltage(V,HZ)                   | 380V±15% 50-60HZ                | 380V±15% 50-60HZ                |
| Input current(A)                      | 15.5A                           | 22A                             |
| Rated input power capacity (KVA)      | 11.5KVA                         | 15KVA                           |
| Output Current Range(A)               | 20A-280A                        | 20A-350A                        |
| No-load voltage (V)                   | 68V                             | 71V                             |
| Rated output voltage (V)              | 15V-28V                         | 15V-31.5V                       |
| Duty rate (%)                         | 60%                             | 60%                             |
| efficiency                            | ≥80%                            | ≥80%                            |
| Power factor (COSφ)                   | 0.8                             | 0.9                             |
| Applicable welding wire diameter (mm) | 0.8-1.0-1.2                     | 0.8-1.0-1.2                     |
| Wire Feeder form                      | Wire feeder Inbuilt MIG machine | Wire feeder Inbuilt MIG machine |
| weight(kg)                            | 31                              | 36                              |
| Dimensions(mm)                        | 740X375X750                     | 740X375X750                     |
| insulation level                      | F                               | F                               |
| Enclosure protection level            | IP21S                           | IP21S                           |



# MIG 360DP/500DP

Digital

INVERTER MIG/MAG//DUAL PULSE/ARC  
WELDING MACHINE



## INVERTER MIG/MAG/PULSE WELDING MACHINE

- HIGH -SPEED FULL DIGITAL CONTROL, MONITORING EVERY STAGE OF WELDING TRANSITION, ACCURATELY REALIZE "ONE PULSE AND ONE DROP" TO OBTAIN STABLE WELDING THAT IS ALMOST NO SPATTER.
- A VARIETY OF ALUMINUM WELDING EXPERT SYSTEMS AND SPECIAL PROGRAMS ENSURE THAT VARIOUS ALUMINUM MATERIALS GET THE BEST WELDING QUALITY.



### Optional accessories



3m aluminum  
MIG torch



36V CO2  
regulator



2.5m earth  
cable with clamp



2.5 meter  
electric welding pliers



3 meters of air pipe

| Item model                            | MIG 360DP                        | MIG 500DP                        |
|---------------------------------------|----------------------------------|----------------------------------|
| Input voltage(V,HZ)                   | 380V±15% 50-60HZ                 | 380V±15% 50-60HZ                 |
| Input current(A)                      | 22.8A                            | 38.5A                            |
| Rated input power capacity (KVA)      | 15.2KVA                          | 26KVA                            |
| Output Current Range(A)               | 20A-360A                         | 60A-500A                         |
| No-load voltage (V)                   | 71V                              | 72V                              |
| Rated output voltage (V)              | 15V-32V                          | 10.4V-22V                        |
| Duty rate (%)                         | 60%                              | 40%                              |
| efficiency                            | ≥80%                             | ≥80%                             |
| Power factor (COSφ)                   | 0.9                              | 0.9                              |
| Applicable welding wire diameter (mm) | 0.8-1.0-1.2                      | 0.8/1.0/1.2/1.6                  |
| Wire Feeder form                      | Wire feeder External MIG machine | Wire feeder External MIG machine |
| weight(kg)                            | 98                               | 110                              |
| Dimensions(mm)                        | 1140X640X1630                    | 1140X640X1630                    |
| insulation level                      | F                                | F                                |
| Enclosure protection level            | IP21S                            | IP21S                            |



# CUT 50

Digital

IGBT, INDUSTRIAL, Digital professional  
AIR PLASMA



# CUT 40

Digital

IGBT, INDUSTRIAL, Digital professional  
AIR PLASMA



Features

- Inverter technology, reliable, high efficiency, light weight.
- Preset current circuit, precise preset cutting current to ensure cutting quality.
- The external feature and motion characteristics make sure stable cutting current, smooth cutting surface, and excellent performance.
- Connect CNC cutting available.
- with current slope function can effectively extend the lifetime of the electrode and nozzle.
- the voltage fluctuation of the grid has no effect on the cutting current.
- Industrial level heavy duty to make sure long time working time.
- CUT 40:  
Quality cutting: 10mm  
Extreme cutting: 15mm
- CUT 50:  
Quality cutting: 20mm  
Extreme cutting: 30mm

Optional accessories



4 meters CUT torch



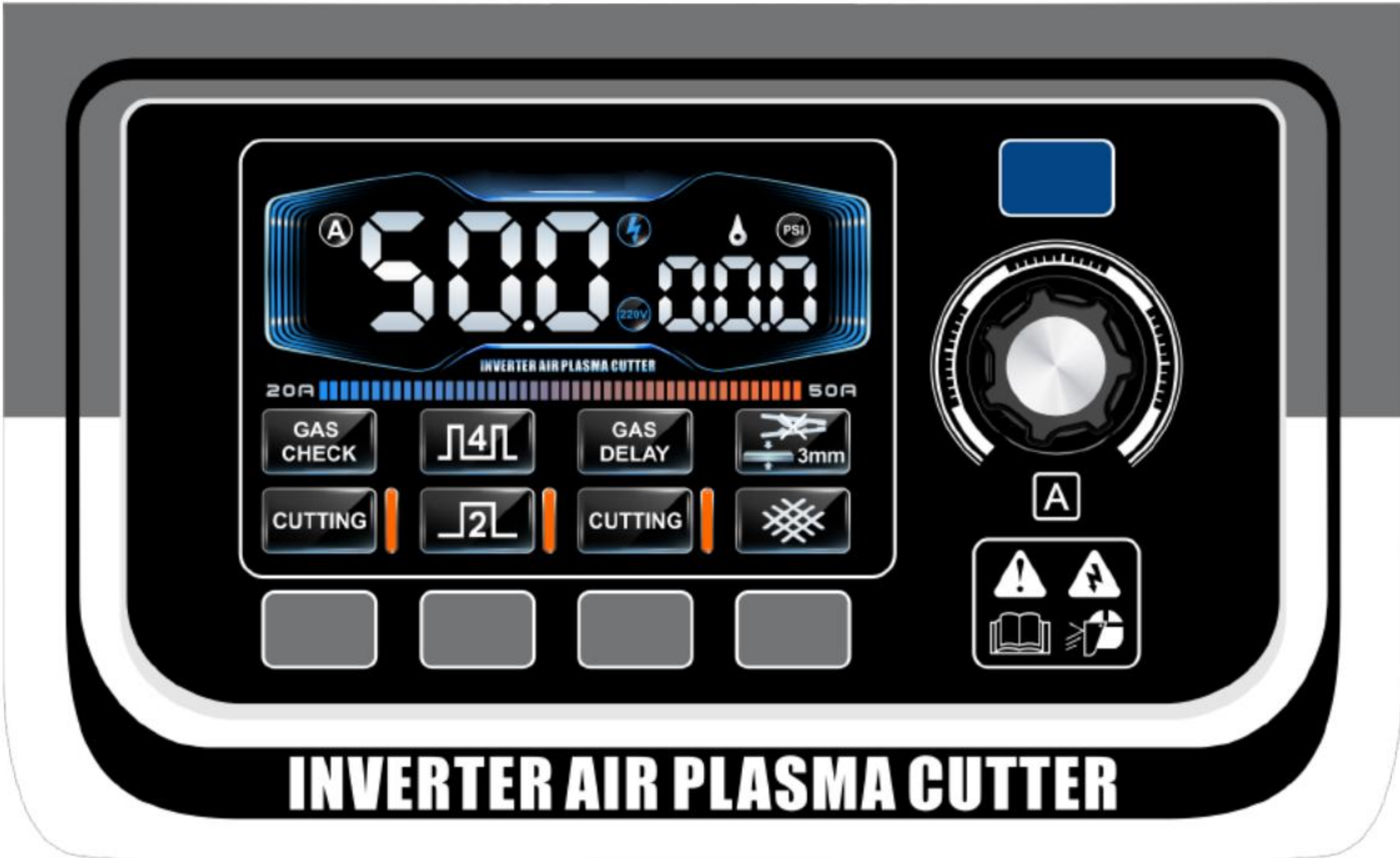
Pressure release valve



2.5m earth cable with clamp



3 meters of air pipe



| Item model                                  | CUT 50                   | CUT 40                   |
|---------------------------------------------|--------------------------|--------------------------|
| Input voltage(V,HZ)                         | 220V±15% 50-60HZ         | 220V±15% 50-60HZ         |
| Input current(A)                            | 24.5A                    | 19A                      |
| Rated input power capacity (KVA)            | 7.8KVA                   | 6.1KVA                   |
| Output Current Range(A)                     | 20A-50A                  | 20A-40A                  |
| No-load voltage (V)                         | 232V                     | 232V                     |
| Rated output voltage (V)                    | 88V-100V                 | 88V-96V                  |
| Duty rate (%)                               | 60%                      | 60%                      |
| Air pressure used for cutting gun (MPa)     | 0.4-0.6                  | 0.4-0.6                  |
| Arc striking method                         | Non-contact arc striking | Non-contact arc striking |
| Maximum cutting carbon steel thickness (mm) | 30                       | 15                       |
| Optimal cutting carbon steel thickness (mm) | 15                       | 10                       |
| weight(kg)                                  | 7.7                      | 5.1                      |
| Dimensions(mm)                              | 510X260X440              | 440X210X335              |
| insulation level                            | F                        | F                        |
| Enclosure protection class                  | IP21S                    | IP21S                    |



# CUT 100 Digital

IGBT, INDUSTRIAL, Digital professional  
AIR PLASMA



| Item model                                  | CUT 80                   | CUT 100                  |
|---------------------------------------------|--------------------------|--------------------------|
| Input voltage(V,HZ)                         | 380V±15% 50-60HZ         | 380V±15% 50-60HZ         |
| Input current(A)                            | 18A                      | 24A                      |
| Rated input power capacity (KVA)            | 11.5KVA                  | 15.5KVA                  |
| Output Current Range(A)                     | 25A-80A                  | 25A-100A                 |
| No-load voltage (V)                         | 290V                     | 302V                     |
| Rated output voltage (V)                    | 81V-112V                 | 81V-120V                 |
| Duty rate (%)                               | 60%                      | 60%                      |
| Air pressure used for cutting gun (MPa)     | 0.4-0.6                  | 0.4-0.6                  |
| Arc striking method                         | Non-contact arc striking | Non-contact arc striking |
| Maximum cutting carbon steel thickness (mm) | 30                       | 35                       |
| Optimal cutting carbon steel thickness (mm) | 1-18                     | 1-25                     |
| weight(kg)                                  | 20.3                     | 32.4                     |
| Dimensions(mm)                              | 595X315X530              | 710X385X680              |
| insulation level                            | F                        | F                        |
| Enclosure protection class                  | IP21S                    | IP21S                    |

# CUT 80 Digital

IGBT, INDUSTRIAL, Digital professional  
AIR PLASMA



## Optional accessories



6 meters CUT  
torch



Pressure release  
valve



2.5m earth cable  
with clamp



3 meters of air pipe

| CUT 120                  |
|--------------------------|
| 380V±15% 50-60HZ         |
| 30.6A                    |
| 20KVA                    |
| 25A-120A                 |
| 310V                     |
| 81V-128V                 |
| 60%                      |
| 0.4-0.6                  |
| Non-contact arc striking |
| 40                       |
| 1-28                     |
| 40                       |
| 710X385X680              |
| F                        |
| IP21S                    |

## Features

- Inverter technology, reliable, high efficiency, light weight.
- Preset current circuit, precise preset cutting current to ensure cutting quality.
- The external feature and motion characteristics make sure stable cutting current, smooth cutting surface, and excellent performance.
- Connect CNC cutting available.
- with current slope function can effectively extend the lifetime of the electrode and nozzle.
- the voltage fluctuation of the grid has no effect on the cutting current.
- Industrial level heavy duty to make sure long time working time.
- CUT80:  
Quality cutting: 18mm  
Extreme cutting: 30mm
- CUT100:  
Quality cutting: 25mm  
Extreme cutting: 35mm
- CUT120:  
Quality cutting: 28mm  
Extreme cutting: 40mm

## CNC INTERFACE





# CUT 200 Digital

IGBT, INDUSTRIAL, Digital professional  
AIR PLASMA



## Features

- Inverter technology, reliable, high efficiency, light weight.
- Preset current circuit, precise preset cutting current to ensure cutting quality.
- The external feature and motion characteristics make sure stable cutting current, smooth cutting surface, and excellent performance.
- Connect CNC cutting available.
- with current slope function can effectively extend the lifetime of the electrode and nozzle.
- the voltage fluctuation of the grid has no effect on the cutting current.
- Industrial level heavy duty to make sure long time working time.
- CUT160:  
Quality cutting: 35mm  
Extreme cutting: 55mm
- CUT200:  
Quality cutting: 50mm  
Extreme cutting: 70mm

## CNC INTERFACE



## Optional accessories



6 meters CUT torch



Pressure release valve



2.5m earth cable with clamp



3 meters of air pipe

| Item model                                  | CUT 160                  | CUT 200                  |
|---------------------------------------------|--------------------------|--------------------------|
| Input voltage(V,HZ)                         | 380V±15% 50-60HZ         | 380V±15% 50-60HZ         |
| Output Current Range(A)                     | 45.6A                    | 63.5A                    |
| Rated input power capacity (KVA)            | 30.3KVA                  | 42KVA                    |
| Current adjustment range(A)                 | 30A-160A                 | 30A-200A                 |
| No-load voltage (V)                         | 330V                     | 360V                     |
| Rated output voltage (V)                    | 92V-144V                 | 92V-160V                 |
| Duty rate (%)                               | 60%                      | 60%                      |
| Air pressure used for cutting gun (MPa)     | 0.4-0.6                  | 0.4-0.6                  |
| Arc striking method                         | Non-contact arc striking | Non-contact arc striking |
| Maximum cutting carbon steel thickness (mm) | 45                       | 65                       |
| Optimal cutting carbon steel thickness (mm) | 1-35                     | 1-50                     |
| weight(kg)                                  | 65                       | 95                       |
| Dimensions(mm)                              | 805X410X800              | 1115X500X1250            |
| insulation level                            | F                        | F                        |
| Enclosure protection class                  | IP21S                    | IP21S                    |



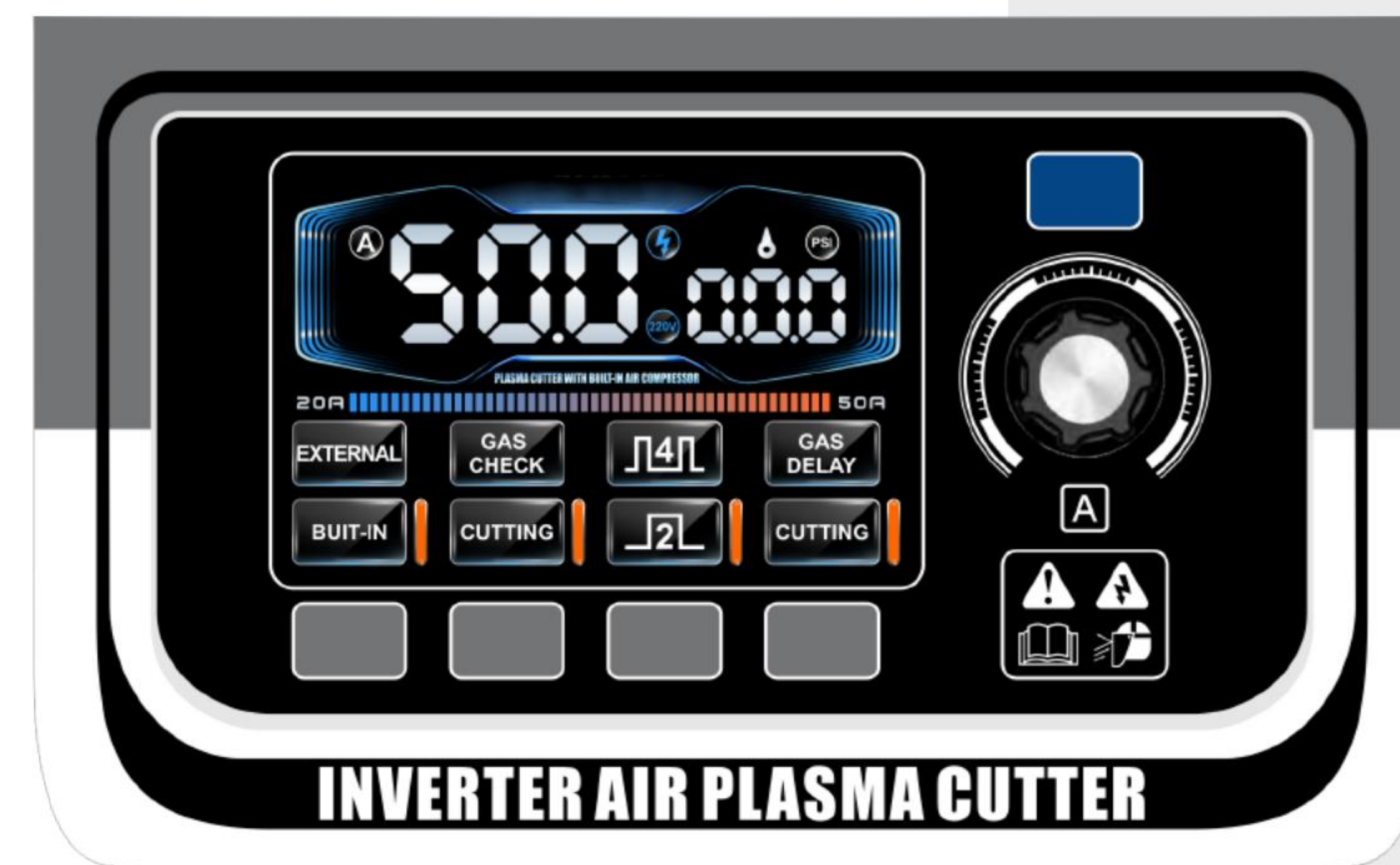
LCD



# CUT 50N

PLASMA CUTTER WITH BUILT-IN AIR COMPRESSOR

Digital



## Optional accessories



4 meters CUT torch



Pressure release valve



2.5m earth cable with clamp



3 meters of air pipe

| Item model                                  | CUT 50N                  | Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input voltage(V,HZ)                         | 220V±15% 50-60HZ         | <ul style="list-style-type: none"><li>• Inverter technology, reliable, high efficiency, light weight.</li><li>• Preset current circuit, precise preset cutting current to ensure cutting quality.</li><li>• The external feature and motion characteristics make sure stable cutting current, smooth cutting surface, and excellent performance.</li><li>• Connect CNC cutting available.</li><li>• with current slope function can effectively extend the lifetime of the electrode and nozzle.</li><li>• the voltage fluctuation of the grid has no effect on the cutting current.</li><li>• Industrial level heavy duty to make sure long time working time.</li><li>• CUT 50N:<br/>Quality cutting:15mm<br/>Extreme cutting:30mm</li></ul> |
| Input current(A)                            | 24.5A                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Rated input power capacity (KVA)            | 7.8KVA                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Output Current Range(A)                     | 20A-50A                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| No-load voltage (V)                         | 232V                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Rated output voltage (V)                    | 88V-100V                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Duty rate (%)                               | 60                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Air pressure used for cutting gun (MPa)     | 0.4-0.6                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Arc striking method                         | Non-contact arc striking |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Maximum cutting carbon steel thickness (mm) | 30                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Optimal cutting carbon steel thickness (mm) | 15                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| weight(kg)                                  | 13.3                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Dimensions(mm)                              | 510X260X440              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| insulation level                            | F                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Enclosure protection class                  | IP21S                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



# CUT 80N Digital

PLASMA CUTTER WITH BUILT-IN AIR COMPRESSOR



| Item model                                  | CUT 80N                  | CUT 100N                 |
|---------------------------------------------|--------------------------|--------------------------|
| Input voltage(V,HZ)                         | 380V±15% 50-60HZ         | 380V±15% 50-60HZ         |
| Input current(A)                            | 18A                      | 24A                      |
| Rated input power capacity (KVA)            | 11.5KVA                  | 15.5KVA                  |
| Output Current Range(A)                     | 25A-80A                  | 25A-100A                 |
| No-load voltage (V)                         | 290V                     | 302V                     |
| Rated output voltage (V)                    | 81V-112V                 | 81V-120V                 |
| Duty rate (%)                               | 60%                      | 60%                      |
| Air pressure used for cutting gun (MPa)     | 0.4-0.6                  | 0.4-0.6                  |
| Arc striking method                         | Non-contact arc striking | Non-contact arc striking |
| Maximum cutting carbon steel thickness (mm) | 30                       | 35                       |
| Optimal cutting carbon steel thickness (mm) | 1-18                     | 1-25                     |
| weight(kg)                                  | 35                       | 45                       |
| Dimensions(mm)                              | 710X385X680              | 710X385X680              |
| insulation level                            | F                        | F                        |
| Enclosure protection class                  | IP21S                    | IP21S                    |

# CUT 120N Digital

PLASMA CUTTER WITH BUILT-IN AIR COMPRESSOR



## Optional accessories



6 meters CUT torch



Pressure release valve



2.5m earth cable with clamp



3 meters of air pipe



2.5 meter electric welding pliers

| Item model                                  | CUT 120N                 | Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input voltage(V,HZ)                         | 380V±15% 50-60HZ         | <ul style="list-style-type: none"><li>• Inverter technology, reliable, high efficiency, light weight.</li><li>• Preset current circuit, precise preset cutting current to ensure cutting quality.</li><li>• The external feature and motion characteristics make sure stable cutting current, smooth cutting surface, and excellent performance.</li><li>• Connect CNC cutting available.</li><li>• with current slope function can effectively extend the lifetime of the electrode and nozzle.</li><li>• the voltage fluctuation of the grid has no effect on the cutting current.</li><li>• Industrial level heavy duty to make sure long time working time.</li><li>• CUT 80N:<br/>Quality cutting:18mm<br/>Extreme cutting:30mm</li><li>• CUT 100N:<br/>Quality cutting:25mm<br/>Extreme cutting:35mm</li><li>• CUT 120N:<br/>Quality cutting:28mm<br/>Extreme cutting:40mm</li></ul> |
| Input current(A)                            | 30.6A                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Rated input power capacity (KVA)            | 20KVA                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Output Current Range(A)                     | 25A-120A                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| No-load voltage (V)                         | 310V                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Rated output voltage (V)                    | 81V-128V                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Duty rate (%)                               | 60%                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Air pressure used for cutting gun (MPa)     | 0.4-0.6                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Arc striking method                         | Non-contact arc striking |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Maximum cutting carbon steel thickness (mm) | 40                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Optimal cutting carbon steel thickness (mm) | 1-28                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| weight(kg)                                  | 46                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dimensions(mm)                              | 740X405X710              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| insulation level                            | F                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Enclosure protection class                  | IP21S                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



# CUT 160N/200N

PLASMA CUTTER WITH BUILT-IN AIR COMPRESSOR

Digital



### Features

- Inverter technology, reliable, high efficiency, light weight.
- Preset current circuit, precise preset cutting current to ensure cutting quality.
- The external feature and motion characteristics make sure stable cutting current, smooth cutting surface, and excellent performance.
- with current slope function can effectively extend the lifetime of the electrode and nozzle.
- the voltage fluctuation of the grid has no effect on the cutting current.
- Industrial level heavy duty to make sure long time working time.
- CUT 160N:  
Quality cutting: 35mm  
Extreme cutting: 45mm
- CUT 200N:  
Quality cutting: 50mm  
Extreme cutting: 65mm



### Optional accessories



| Item model                                  | CUT 160N                 | CUT 200N                 |
|---------------------------------------------|--------------------------|--------------------------|
| Input voltage(V,HZ)                         | 380V±15% 50-60HZ         | 380V±15% 50-60HZ         |
| Input current(A)                            | 45.6A                    | 63.5A                    |
| Rated input power capacity (KVA)            | 30.3KVA                  | 42KVA                    |
| Output Current Range(A)                     | 30A-160A                 | 30A-200A                 |
| No-load voltage (V)                         | 330V                     | 360V                     |
| Rated output voltage (V)                    | 92V-144V                 | 92V-160V                 |
| Duty rate (%)                               | 60%                      | 60%                      |
| Air pressure used for cutting gun (MPa)     | 0.4-0.6                  | 0.4-0.6                  |
| Arc striking method                         | Non-contact arc striking | Non-contact arc striking |
| Maximum cutting carbon steel thickness (mm) | 45                       | 65                       |
| Optimal cutting carbon steel thickness (mm) | 1-35                     | 1-50                     |
| weight(kg)                                  | 48                       | 90                       |
| Dimensions(mm)                              | 805X410X800              | 820X430X930              |
| insulation level                            | F                        | F                        |
| Enclosure protection class                  | IP21S                    | IP21S                    |





TIG200CAC/DC

Digital

MULTIFUNCTIONALINVERTER TIG AC/DC PULSE/CUT/ARC  
WELDING POWER SUPPLY



Optional accessories



| Item model                 | TIG200C AC/DC    |
|----------------------------|------------------|
| Input voltage              | 220V±15% 50-60HZ |
| Input current              | 10A-200A         |
| Rated output voltage       | 10.4V-18V        |
| Rated input power          | 5.5KVA           |
| no-load voltage            | 57V              |
| Output Current Range       | 10~200A          |
| starting current           | 10~200A          |
| Rise Time                  | 0~10s            |
| Pulse current              | 10~200A          |
| Welding current            | 10~200A          |
| Pulse frequency            | 0.5~100Hz        |
| Pulse Width Ratio          | 1~99%            |
| Falling time               | 0~10s            |
| Crater current             | 10~200A          |
| After gas                  | 1~30s            |
| cleaning width             | 20%~50%          |
| AC frequency               | 50~150Hz         |
| duty cycle                 | 40%              |
| efficiency                 | ≥80%             |
| Enclosure protection class | 1P21S            |
| Dimensions                 | 530*260*440mm    |
| weight                     | 11kg             |

- Features
- DIGITAL TIG, DC TIG, DC PULSE TIG, CUT,ARC.
  - Application industry: power construction, petrochemical, pressure vessels, ships, pipeline installation, bicycle, mold repair.
  - The panel control is reasonable and easy to operate, multi functions, simple to operate.
  - with the slow slope down of the current, the pulse frequency width adjustment, the precise regulation of the gas accuracy adjustment; the frequency and clean width of AC TIG welding can be adjusted independently to realise easier and faster, perfect welding.  
The all -digital TIG welding parameters of welding can be preset at a high precision, and with the parameter adjustment storage function by the users' requirement.
  - All digital models can connect step remote and special industrial machines.
  - With clear digital panel description (DC TIG without the frequency the width of cleaning adjustment).
  - CUT :  
Quality cutting:8mm  
Extreme cutting:12mm



TIG 300 AC/DC

Digital

MULTIFUNCTIONAL INVERTER TIG AC/DC PULSE  
ARC WELDING POWER SUPPLY



Optional accessories



Allen wrench      2.5m earth cable with clamp

| Item model                 | TIG300 AC/DC                   |
|----------------------------|--------------------------------|
| Input voltage              | Three-phase AC380V±15% 50-60Hz |
| Input current              | 300A                           |
| Rated output voltage       | 22V                            |
| Rated input power          | 8.7KVA                         |
| no-load voltage            | 57V                            |
| Output Current Range       | 10~300A                        |
| starting current           | 10~300A                        |
| Rise Time                  | 0~10s                          |
| Pulse current              | 10~300A                        |
| Welding current            | 10~300A                        |
| Pulse frequency            | 0.5~100Hz                      |
| Pulse Width Ratio          | 1~99%                          |
| Falling time               | 0~10s                          |
| Crater current             | 10~300A                        |
| After gas                  | 1~30s                          |
| cleaning width             | 20%~50%                        |
| AC frequency               | 50~150Hz                       |
| duty cycle                 | 80%                            |
| efficiency                 | ≥80%                           |
| Enclosure protection class | 1P21S                          |
| Dimensions                 | 640*315*530mm                  |
| weight                     | 19.5kg                         |

Features

- DIGITAL TIG, DC TIG, DC PULSE TIG, ARC.
- Application industry: power construction, petrochemical, pressure vessels, ships, pipeline installation, bicycle, mold repair.
- The panel control is reasonable and easy to operate, multi functions, simple to operate.
- with the slow slope down of the current, the pulse frequency width adjustment, the precise regulation of the gas accuracy adjustment; the frequency and clean width of AC TIG welding can be adjusted independently to realise easier and faster, perfect welding.  
The all -digital TIG welding parameters of welding can be preset at a high precision, and with the parameter adjustment storage function by the users' requirement.
- All digital models can connect step remote and special industrial machines.
- With clear digital panel description (DC TIG without the frequency the width of cleaning adjustment).

TIG 200 AC/DC

Digital

MULTIFUNCTIONAL INVERTER TIG AC/DC PULSE  
ARC WELDING POWER SUPPLY



5m TIG torch



argon regulator



3 meters of air pipe



2.5 meter electric welding pliers



Remote control pedal

| Item model                 | TIG200 AC/DC                    |
|----------------------------|---------------------------------|
| Input voltage              | Single-phase AC220V±15% 50~60Hz |
| Input current              | 200A                            |
| Rated output voltage       | 19V                             |
| Rated input power          | 8.5Kw                           |
| no-load voltage            | 61V                             |
| Output Current Range       | 10~200A                         |
| starting current           | 10~200A                         |
| Rise Time                  | 0~10s                           |
| Pulse current              | 10~200A                         |
| Welding current            | 10~200A                         |
| Pulse frequency            | 0.5~100Hz                       |
| Pulse Width Ratio          | 1~99%                           |
| Falling time               | 0~10s                           |
| Crater current             | 10~200A                         |
| After gas                  | 1~30s                           |
| cleaning width             | 20%~50%                         |
| AC frequency               | 50~150Hz                        |
| duty cycle                 | 60%                             |
| efficiency                 | ≥80%                            |
| Enclosure protection class | 1P21S                           |
| Dimensions                 | 530*260*440mm                   |
| weight                     | 9.5kg                           |

Features

- DIGITAL TIG, DC TIG, DC PULSE TIG, ARC.
- Application industry: power construction, petrochemical, pressure vessels, ships, pipeline installation, bicycle, mold repair.
- The panel control is reasonable and easy to operate, multi functions, simple to operate.
- with the slow slope down of the current, the pulse frequency width adjustment, the precise regulation of the gas accuracy adjustment; the frequency and clean width of AC TIG welding can be adjusted independently to realise easier and faster, perfect welding.  
The all -digital TIG welding parameters of welding can be preset at a high precision, and with the parameter adjustment storage function by the users' requirement.
- All digital models can connect step remote and special industrial machines.
- With clear digital panel description (DC TIG without the frequency the width of cleaning adjustment).



TIG300 AC/DC

Digital

MULTIFUNCTIONAL INVERTER TIG AC/DC PULSE  
ARC WELDING POWER SUPPLY



Optional accessories



Allen wrench      2.5m earth cable with clamp



5m TIG torch



argon regulator



3 meters of air pipe



2.5 meter electric welding pliers



Remote control pedal

Features

- DIGITAL TIG, DC TIG, DC PULSE TIG, ARC.
- Application industry: power construction, petrochemical, pressure vessels, ships, pipeline installation, bicycle, mold repair.
- The panel control is reasonable and easy to operate, multi functions, simple to operate.
- with the slow slope down of the current, the pulse frequency width adjustment, the precise regulation of the gas accuracy adjustment; the frequency and clean width of AC TIG welding can be adjusted independently to realise easier and faster, perfect welding.  
The all -digital TIG welding parameters of welding can be preset at a high precision, and with the parameter adjustment storage function by the users' requirement.
- All digital models can connect step remote and special industrial machines.
- With clear digital panel description (DC TIG without the frequency the width of cleaning adjustment).



| Item model                 | TIG300 AC/DC (With water cooler) |
|----------------------------|----------------------------------|
| Input voltage              | Three-phase AC380V±15% 50-60Hz   |
| Input current              | 300A                             |
| Rated output voltage       | 22V                              |
| Rated input power          | 8.7KVA                           |
| no-load voltage            | 57V                              |
| Output Current Range       | 10~300A                          |
| starting current           | 10~300A                          |
| Rise Time                  | 0~10s                            |
| Pulse current              | 10~300A                          |
| Welding current            | 10~300A                          |
| Pulse frequency            | 0.5~100Hz                        |
| Pulse Width Ratio          | 1~99%                            |
| Falling time               | 0~10s                            |
| Crater current             | 10~300A                          |
| After gas                  | 1~30s                            |
| cleaning width             | 20%~50%                          |
| AC frequency               | 50~150Hz                         |
| duty cycle                 | 60%                              |
| efficiency                 | ≥80%                             |
| Enclosure protection class | 1P21S                            |
| Dimensions                 | 740*375*750mm                    |
| weight                     | 37.4kg                           |



■AC/DC TIG250P Digital

MULTIFUNCTIONAL INVERTER TIG AC/DC PULSE  
ARC WELDING POWER SUPPLY



Optional accessories



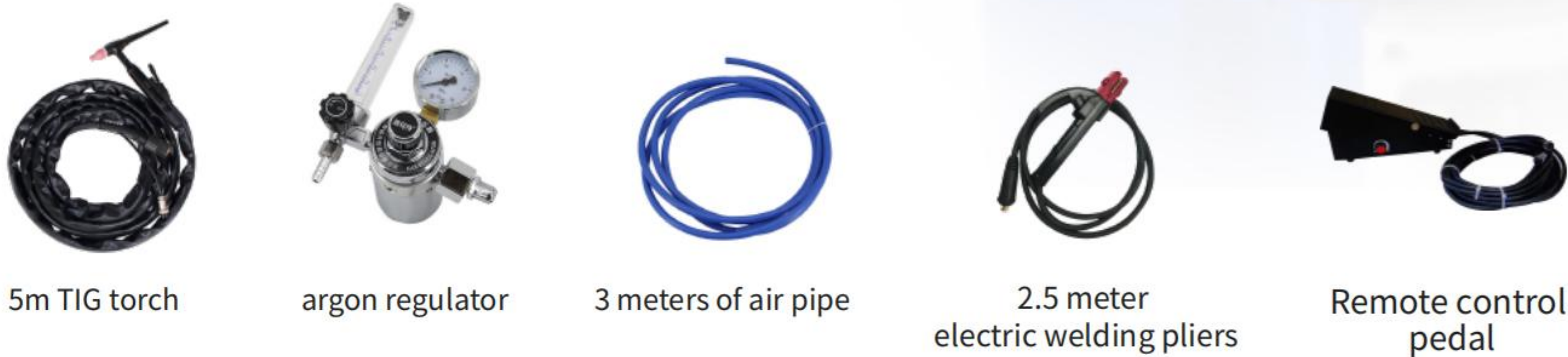
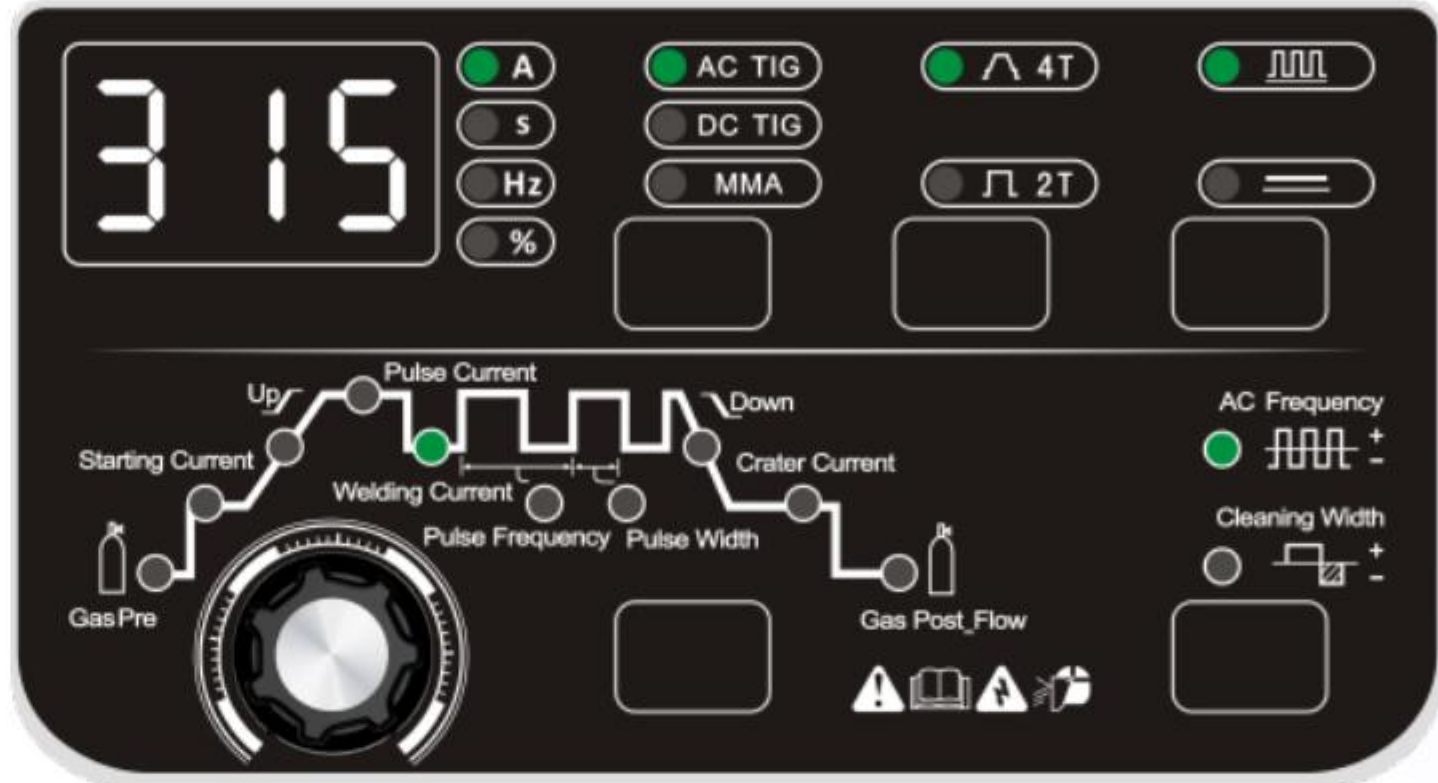
| Item model                 | TIG250P AC/DC                   |
|----------------------------|---------------------------------|
| Input voltage              | Single-phase AC220V±15% 50~60Hz |
| Input current              | 200A                            |
| Rated output voltage       | 19V                             |
| Rated input power          | 8.5Kw                           |
| no-load voltage            | 61V                             |
| Output Current Range       | 10~200A                         |
| starting current           | 10~200A                         |
| Rise Time                  | 0~10s                           |
| Pulse current              | 10~200A                         |
| Welding current            | 10~200A                         |
| Pulse frequency            | 0.5~100Hz                       |
| Pulse Width Ratio          | 1~99%                           |
| Falling time               | 0~10s                           |
| Crater current             | 10~200A                         |
| After gas                  | 1~30s                           |
| cleaning width             | 20%~50%                         |
| AC frequency               | 50~150Hz                        |
| duty cycle                 | 60%                             |
| efficiency                 | ≥80%                            |
| Enclosure protection class | 1P21S                           |
| Dimensions                 | 530*260*440mm                   |
| weight                     | 11kg                            |

Features

- DIGITAL TIG, DC TIG, DC PULSE TIG, ARC.
- Application industry: power construction, petrochemical, pressure vessels, ships, pipeline installation, bicycle, mold repair.
- The panel control is reasonable and easy to operate, multi functions, simple to operate.
- with the slow slope down of the current, the pulse frequency width adjustment, the precise regulation of the gas accuracy adjustment; the frequency and clean width of AC TIG welding can be adjusted independently to realise easier and faster, perfect welding.  
The all -digital TIG welding parameters of welding can be preset at a high precision, and with the parameter adjustment storage function by the users' requirement.
- All digital models can connect step remote and special industrial machines.
- With clear digital panel description (DC TIG without the frequency the width of cleaning adjustment).

■AC/DC TIG315P Digital

MULTIFUNCTIONAL INVERTER TIG AC/DC PULSE  
ARC WELDING POWER SUPPLY



| Item model                 | TIG315P AC/DC                  |
|----------------------------|--------------------------------|
| Input voltage              | Three-phase AC380V±15% 50-60Hz |
| Input current              | 300A                           |
| Rated output voltage       | 22V                            |
| Rated input power          | 8.7KVA                         |
| no-load voltage            | 57V                            |
| Output Current Range       | 10~300A                        |
| starting current           | 10~300A                        |
| Rise Time                  | 0~10s                          |
| Pulse current              | 10~300A                        |
| Welding current            | 10~300A                        |
| Pulse frequency            | 0.5~100Hz                      |
| Pulse Width Ratio          | 1~99%                          |
| Falling time               | 0~10s                          |
| Crater current             | 10~300A                        |
| After gas                  | 1~30s                          |
| cleaning width             | 20%~50%                        |
| AC frequency               | 50~150Hz                       |
| duty cycle                 | 60%                            |
| efficiency                 | ≥80%                           |
| Enclosure protection class | 1P21S                          |
| Dimensions                 | 640*315*530mm                  |
| weight                     | 20kg                           |

Features

- DIGITAL TIG, DC TIG, DC PULSE TIG, ARC.
- Application industry: power construction, petrochemical, pressure vessels, ships, pipeline installation, bicycle, mold repair.
- The panel control is reasonable and easy to operate, multi functions, simple to operate.
- with the slow slope down of the current, the pulse frequency width adjustment, the precise regulation of the gas accuracy adjustment; the frequency and clean width of AC TIG welding can be adjusted independently to realise easier and faster, perfect welding.  
The all -digital TIG welding parameters of welding can be preset at a high precision, and with the parameter adjustment storage function by the users' requirement.
- All digital models can connect step remote and special industrial machines.
- With clear digital panel description (DC TIG without the frequency the width of cleaning adjustment).



TIG315P AC/DC

Digital

MULTIFUNCTIONAL INVERTER TIG AC/DC PULSE  
ARC WELDING POWER SUPPLY

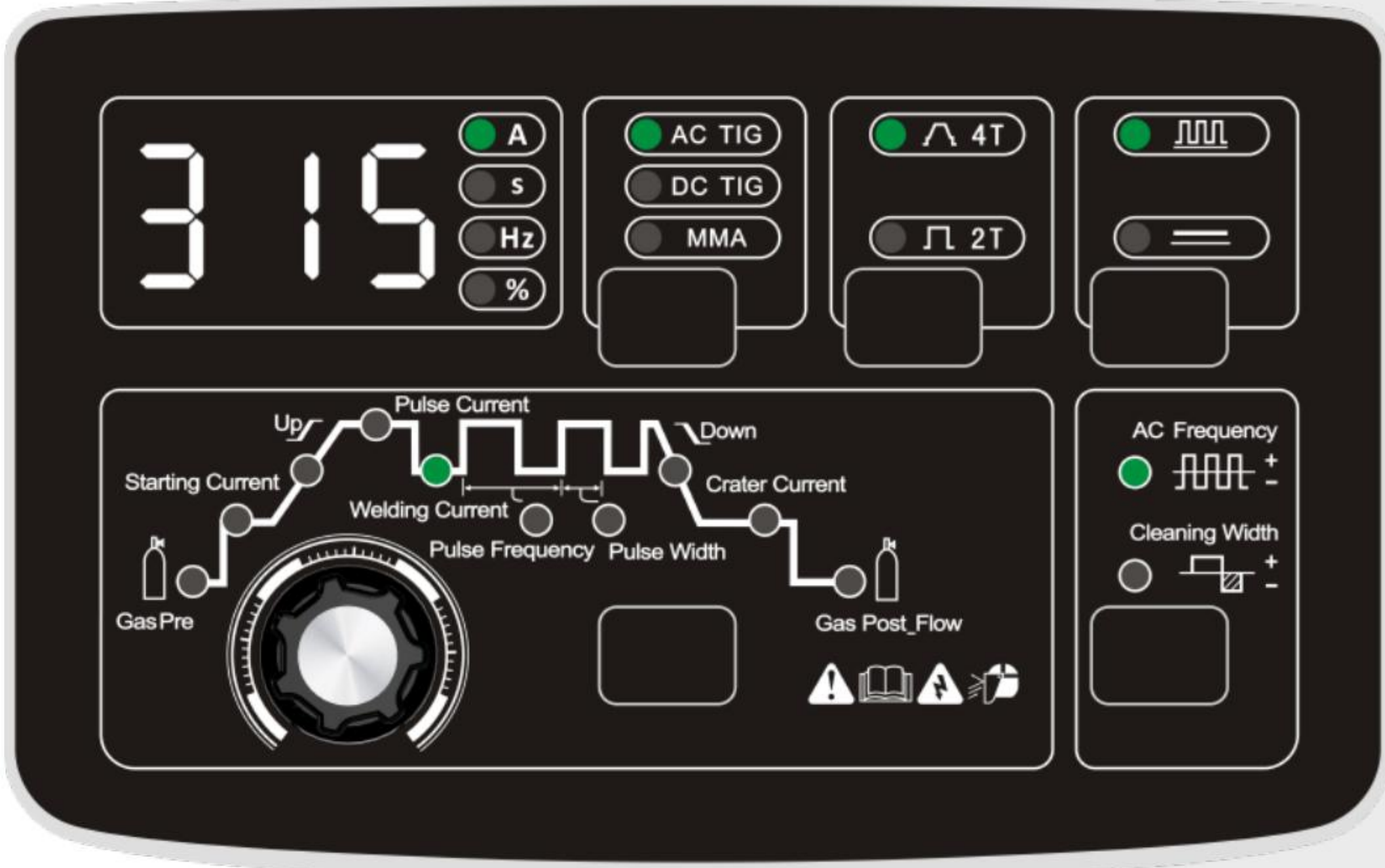


Optional accessories



Features

- DIGITAL TIG, DC TIG, DC PULSE TIG, ARC.
- Application industry: power construction, petrochemical, pressure vessels, ships, pipeline installation, bicycle, mold repair.
- The panel control is reasonable and easy to operate, multi functions, simple to operate.
- with the slow slope down of the current, the pulse frequency width adjustment, the precise regulation of the gas accuracy adjustment, the frequency and clean width of AC TIG welding can be adjusted independently to realise easier and faster, perfect welding.  
The all -digital TIG welding parameters of welding can be preset at a high precision, and with the parameter adjustment storage function by the users' requirement.
- All digital models can connect step remote and special industrial machines.
- With clear digital panel description (DC TIG without the frequency the width of cleaning adjustment).



| Item model                 | TIG315P AC/DC (With water cooler) |
|----------------------------|-----------------------------------|
| Input voltage              | Three-phase AC380V±15% 50-60Hz    |
| Input current              | 315A                              |
| Rated output voltage       | 27V                               |
| Rated input power          | 14kw                              |
| no-load voltage            | 70V±3V                            |
| Output Current Range       | 10~315A                           |
| starting current           | 10~315A                           |
| Rise Time                  | 0.1~5s                            |
| Pulse current              | 10~315A                           |
| Welding current            | 10~315A                           |
| Pulse frequency            | 0.5~200Hz                         |
| Pulse Width Ratio          | 0.2~0.8                           |
| Falling time               | 0.1~5s                            |
| Crater current             | 10~315A                           |
| After gas                  | 5~25s                             |
| cleaning width             | 25%~75%                           |
| AC frequency               | 50~150Hz                          |
| duty cycle                 | 60%                               |
| efficiency                 | 83%                               |
| Enclosure protection class | 1P21S                             |
| Dimensions                 | 740*375*750mm                     |
| weight                     | 37.4kg                            |



# AC/DC TIG400P Digital

MULTIFUNCTIONAL INVERTER TIG AC/DC PULSE  
ARC WELDING POWER SUPPLY



### Optional accessories



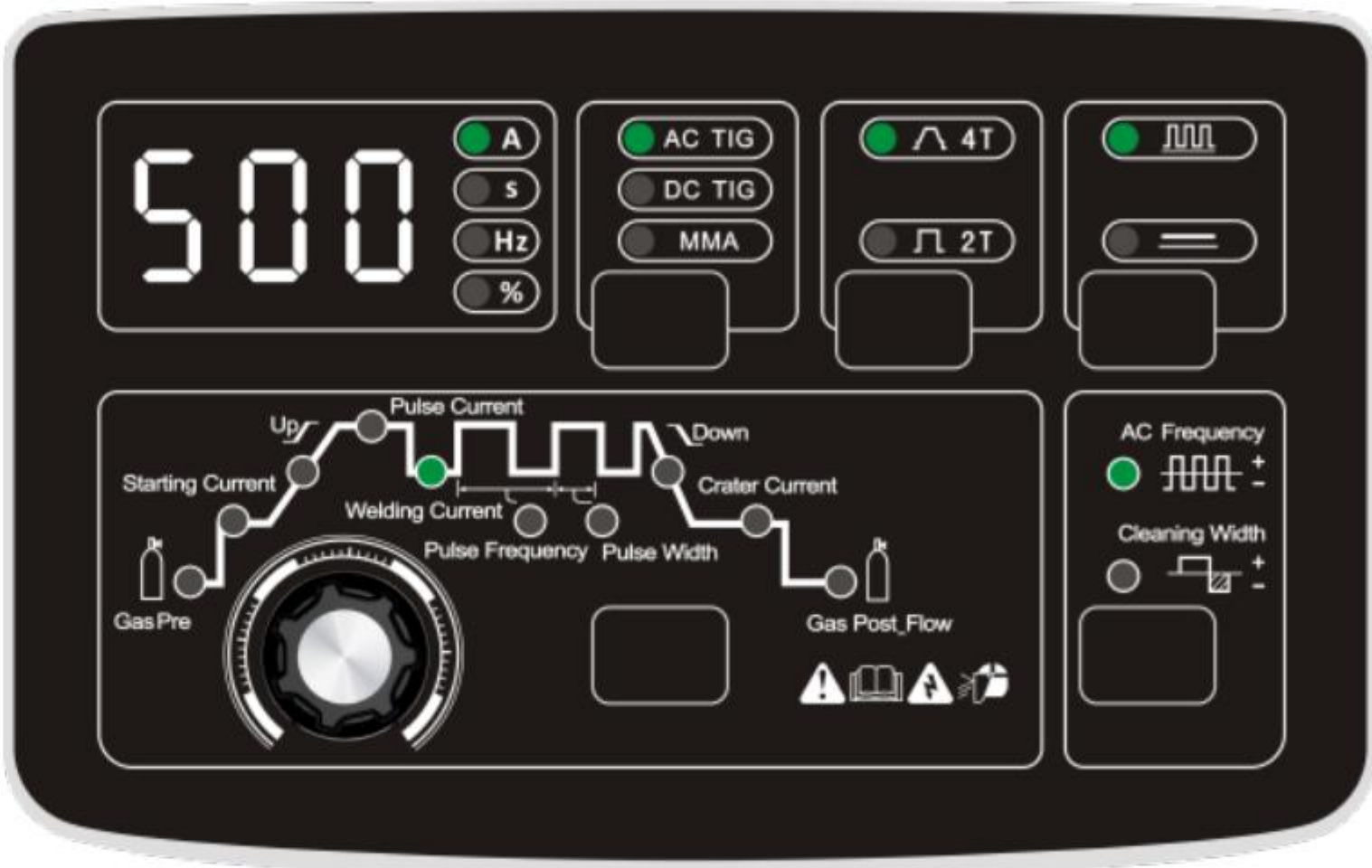
Allen wrench



2.5m earth cable  
with clamp

# AC/DC TIG500P Digital

MULTIFUNCTIONAL INVERTER TIG AC/DC PULSE  
ARC WELDING POWER SUPPLY



5m TIG torch



argon regulator



3 meters of air pipe



2.5 meter  
electric welding pliers



Remote control  
pedal

| Item model                 | TIG400P AC/DC (Without water cooler) |
|----------------------------|--------------------------------------|
| Input voltage              | Three-phase AC380V±15% 50-60Hz       |
| Input current              | 400A                                 |
| Rated output voltage       | 25V                                  |
| Rated input power          | 14kw                                 |
| no-load voltage            | 71V                                  |
| Output Current Range       | 10~400A                              |
| starting current           | 10~400A                              |
| Rise Time                  | 0~10s                                |
| Pulse current              | 10~400A                              |
| Welding current            | 10~400A                              |
| Pulse frequency            | 0.5~100Hz                            |
| Pulse Width Ratio          | 1~99%                                |
| Falling time               | 0~10s                                |
| Crater current             | 10~400A                              |
| After gas                  | 1~30s                                |
| cleaning width             | 25%~50%                              |
| AC frequency               | 50~150Hz                             |
| duty cycle                 | 60%                                  |
| efficiency                 | 80%                                  |
| Enclosure protection class | 1P21S                                |
| Dimensions                 | 1115*610*1233mm                      |
| weight                     | 100kg                                |

### Features

- DIGITAL TIG, DC TIG, DC PULSE TIG, ARC.
- Application industry: power construction, petrochemical, pressure vessels, ships, pipeline installation, bicycle, mold repair.
- The panel control is reasonable and easy to operate, multi functions, simple to operate.
- with the slow slope down of the current, the pulse frequency width adjustment, the precise regulation of the gas accuracy adjustment; the frequency and clean width of AC TIG welding can be adjusted independently to realise easier and faster, perfect welding.  
The all -digital TIG welding parameters of welding can be preset at a high precision, and with the parameter adjustment storage function by the users' requirement.
- All digital models can connect step remote and special industrial machines.
- With clear digital panel description (DC TIG without the frequency the width of cleaning adjustment).

| Item model                 | TIG500P AC/DC (Without water cooler) |
|----------------------------|--------------------------------------|
| Input voltage              | Three-phase AC380V±15% 50~60Hz       |
| Input current              | 500A                                 |
| Rated output voltage       | 27.5V                                |
| Rated input power          | 19kw                                 |
| no-load voltage            | 71V                                  |
| Output Current Range       | 10~500A                              |
| starting current           | 10~500A                              |
| Rise Time                  | 0~10s                                |
| Pulse current              | 10~500A                              |
| Welding current            | 10~500A                              |
| Pulse frequency            | 0.5~100Hz                            |
| Pulse Width Ratio          | 1~99%                                |
| Falling time               | 0~10s                                |
| Crater current             | 10~500A                              |
| After gas                  | 1~30s                                |
| cleaning width             | 25%~50%                              |
| AC frequency               | 50~150Hz                             |
| duty cycle                 | 60%                                  |
| efficiency                 | ≥80%                                 |
| Enclosure protection class | 1P21S                                |
| Dimensions                 | 1115*610*1643mm                      |
| weight                     | 130kg                                |

### Features

- DIGITAL TIG, DC TIG, DC PULSE TIG, ARC.
- Application industry: power construction, petrochemical, pressure vessels, ships, pipeline installation, bicycle, mold repair.
- The panel control is reasonable and easy to operate, multi functions, simple to operate.
- with the slow slope down of the current, the pulse frequency width adjustment, the precise regulation of the gas accuracy adjustment; the frequency and clean width of AC TIG welding can be adjusted independently to realise easier and faster, perfect welding.  
The all -digital TIG welding parameters of welding can be preset at a high precision, and with the parameter adjustment storage function by the users' requirement.
- All digital models can connect step remote and special industrial machines.
- With clear digital panel description (DC TIG without the frequency the width of cleaning adjustment).



MMA 200

Digital

IGBT - Inverter DC ARC welder



| Item model                       | MMA 140          | MMA 160          |
|----------------------------------|------------------|------------------|
| Input voltage(V,HZ)              | 220V±15% 50-60HZ | 220V±15% 50-60HZ |
| Input current(A)                 | 17.5A            | 21A              |
| Rated input power capacity (KVA) | 5.7KVA           | 6.5KVA           |
| Output Current Range(A)          | 30A-140A         | 30A-160A         |
| No-load voltage (V)              | 66V              | 66V              |
| Rated output voltage (V)         | 21.2V-25.6V      | 21.2V-26.4V      |
| efficiency(%)                    | 60%              | 60%              |
| efficiency                       | ≥80%             | ≥80%             |
| Power factor (COSφ)              | 0.8              | 0.8              |
| weight(kg)                       | 3.8              | 4                |
| Dimensions(mm)                   | 340X210X335      | 340X210X335      |
| insulation level                 | F                | F                |
| Enclosure protection class       | IP21S            | IP21S            |
|                                  |                  |                  |

MMA 160

Digital

IGBT - Inverter DC ARC welder



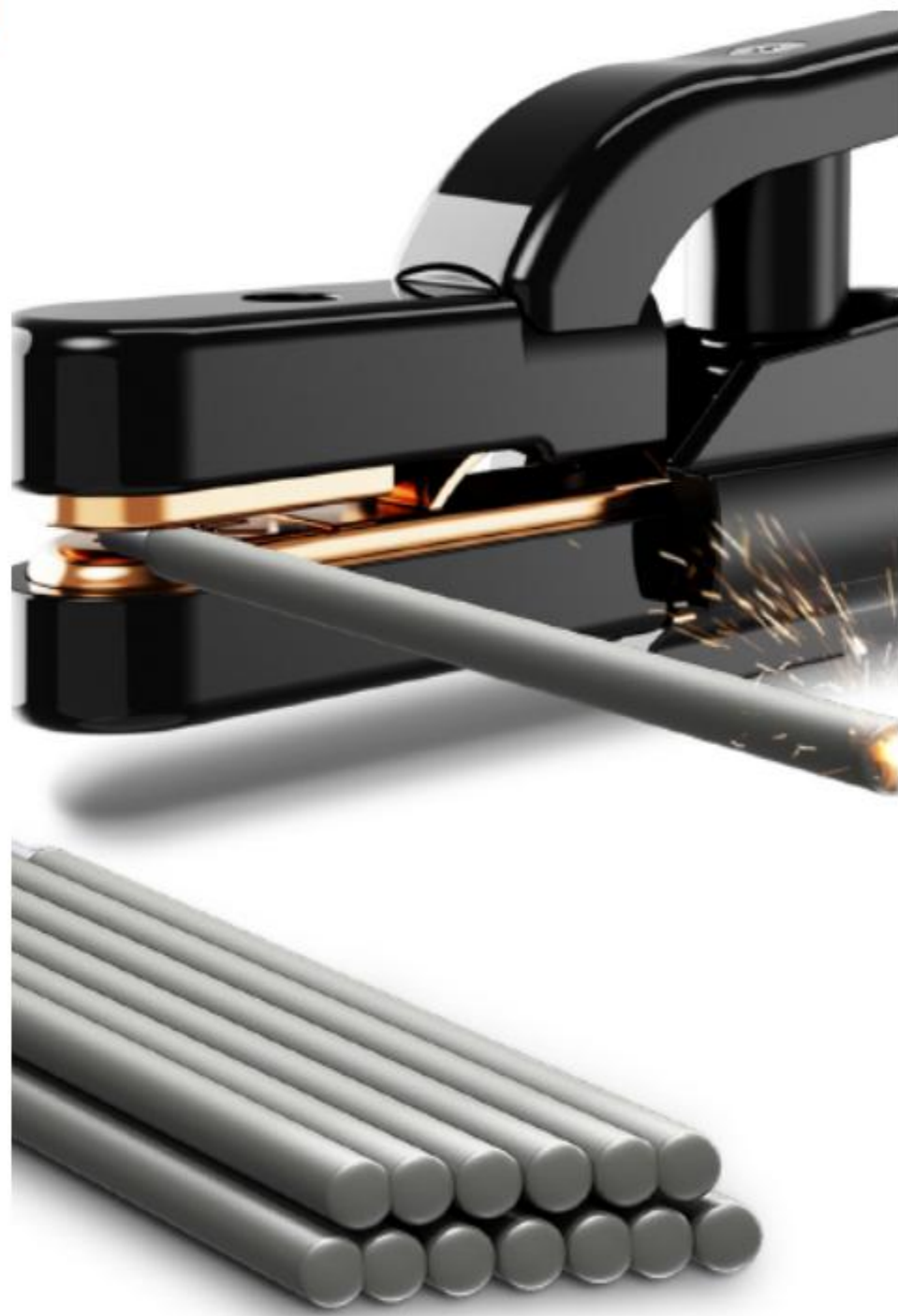
Optional accessories



| MMA 200          |
|------------------|
| 220V±15% 50-60HZ |
| 27.5A            |
| 8.6KVA           |
| 30A-200A         |
| 66V              |
| 21.2V-28V        |
| 60%              |
| ≥80%             |
| 0.8              |
| 5.8              |
| 440X210X335      |
| F                |
| IP21S            |
|                  |

Features

- IGBT Inverter Technology, fast dynamic response.
- VRD function inbuilt.
- With over-voltage, low-voltage, over-current and over-heated protection.
- LED digital control system.
- High output voltage, easy ARC starting, less spatter.
- With ARC force, stable current, with thrust compensation functions.
- Heavy duty.
- Dustproof, waterproof, anti -corrosion protection.





MMA 315

Digital

IGBT - Inverter DC ARC welder



| Item model                       | MMA 315                 |
|----------------------------------|-------------------------|
| Input voltage(V,HZ)              | 220V/380V±15% 50-60HZ   |
| Input current(A)                 | 25.5A/13.5A             |
| Rated input power capacity (KVA) | 8.1KVA/9KVA             |
| Output Current Range(A)          | 40A-190A/40A-230A       |
| No-load voltage (V)              | 74V/65V                 |
| Rated output voltage (V)         | 21.6V-27.6V/21.6V-29.2V |
| efficiency(%)                    | 60%                     |
| efficiency                       | ≥80%                    |
| Power factor (COSφ)              | 0.8/0.9                 |
| weight(kg)                       | 8.6                     |
| Dimensions(mm)                   | 510X260X440             |
| insulation level                 | F                       |
| Enclosure protection class       | IP21S                   |

Features

- IGBT Inverter Technology, fast dynamic response.
- VRD function inbuilt.
- With over-voltage, low-voltage, over-current and over-heated protection.
- LED digital control system.
- High output voltage, easy ARC starting, less spatter.
- With ARC force, stable current, with thrust compensation functions.
- Heavy duty.
- Dustproof, waterproof, anti -corrosion protection.

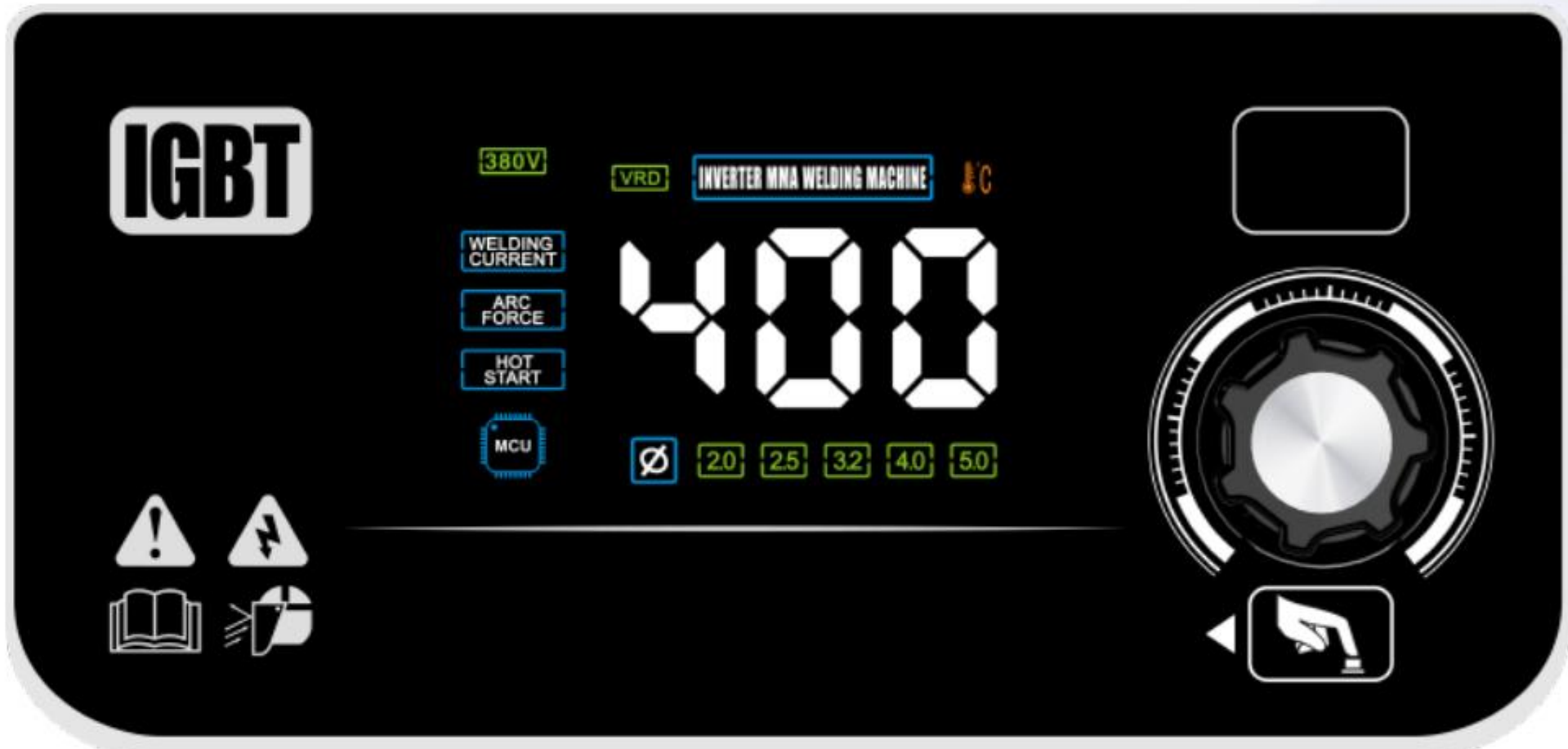
MMA 400

Digital

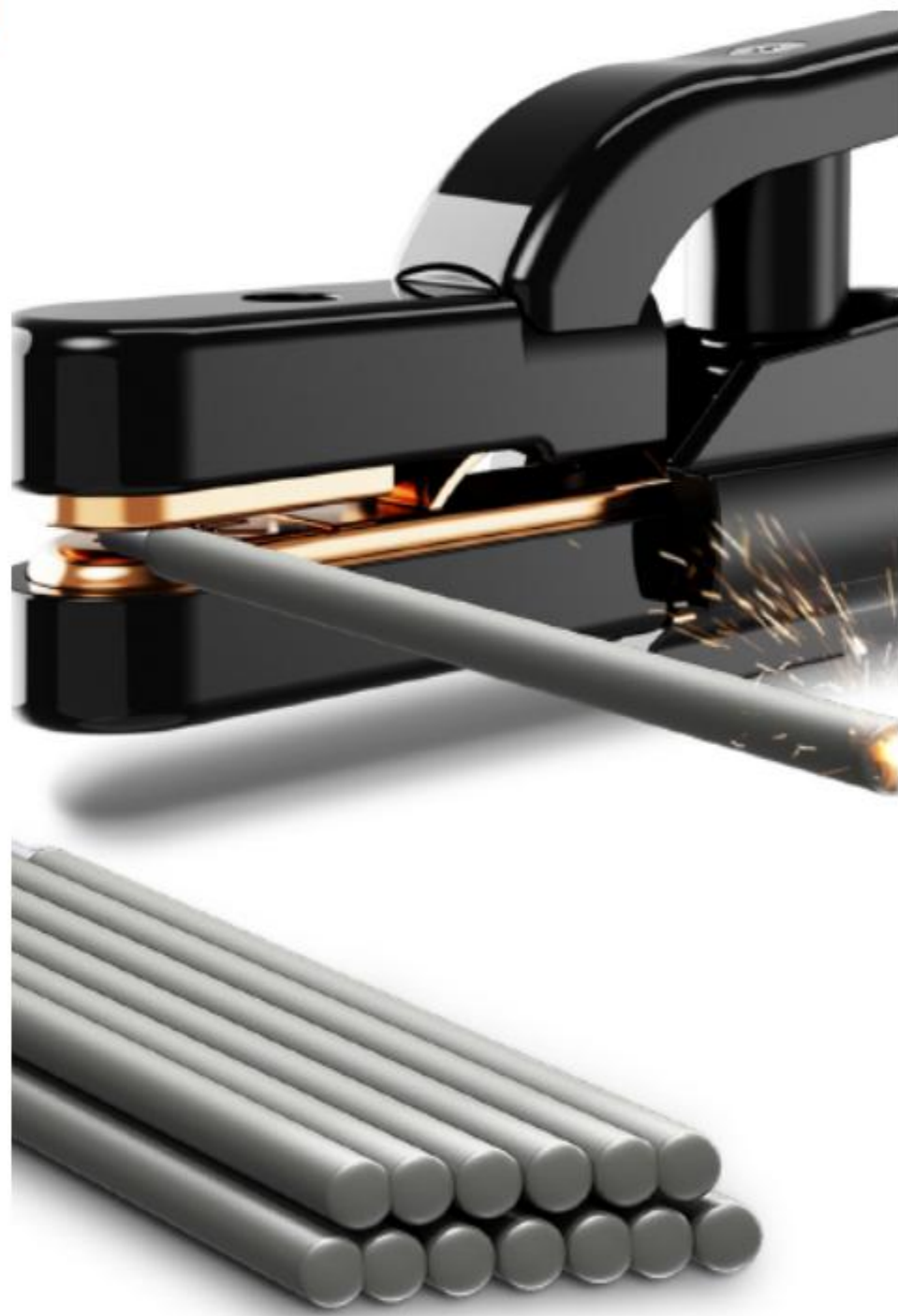
IGBT - Inverter DC ARC welder



Optional accessories



| Item model                       | MMA 400                 |
|----------------------------------|-------------------------|
| Input voltage(V,HZ)              | 220V/380V±15% 50-60HZ   |
| Input current(A)                 | 32.5A/15.7A             |
| Rated input power capacity (KVA) | 10.3KVA/10.4KVA         |
| Output Current Range(A)          | 40A-230A/40-260A        |
| No-load voltage (V)              | 74V/65V                 |
| Rated output voltage (V)         | 21.6V-29.2V/21.6V-30.4V |
| efficiency(%)                    | 60%                     |
| efficiency                       | ≥80%                    |
| Power factor (COSφ)              | 0.8/0.9                 |
| weight(kg)                       | 8.7                     |
| Dimensions(mm)                   | 510X260X440             |
| insulation level                 | F                       |
| Enclosure protection class       | IP21S                   |





MMA 400T

Digital

IGBT - Inverter DC ARC welder



| Item model                       | MMA 400T         |
|----------------------------------|------------------|
| Input voltage(V,HZ)              | 380V±15% 50-60HZ |
| Input current(A)                 | 19.5A            |
| Rated input power capacity (KVA) | 12.5KVA          |
| Output Current Range(A)          | 40A-300A         |
| No-load voltage (V)              | 65V              |
| Rated output voltage (V)         | 21.6V-32V        |
| efficiency(%)                    | 60%              |
| efficiency                       | ≥80%             |
| Power factor (COSφ)              | 0.9              |
| weight(kg)                       | 9                |
| Dimensions(mm)                   | 595X315X530      |
| insulation level                 | F                |
| Enclosure protection class       | IP21S            |

Features

- IGBT Inverter Technology, fast dynamic response.
- VRD function inbuilt.
- With over-voltage, low-voltage, over-current and over-heated protection.
- LED digital control system.
- High output voltage, easy ARC starting, less spatter.
- With ARC force, stable current, with thrust compensation functions.
- Heavy duty.
- Dustproof, waterproof, anti -corrosion protection.

MMA 500T

Digital

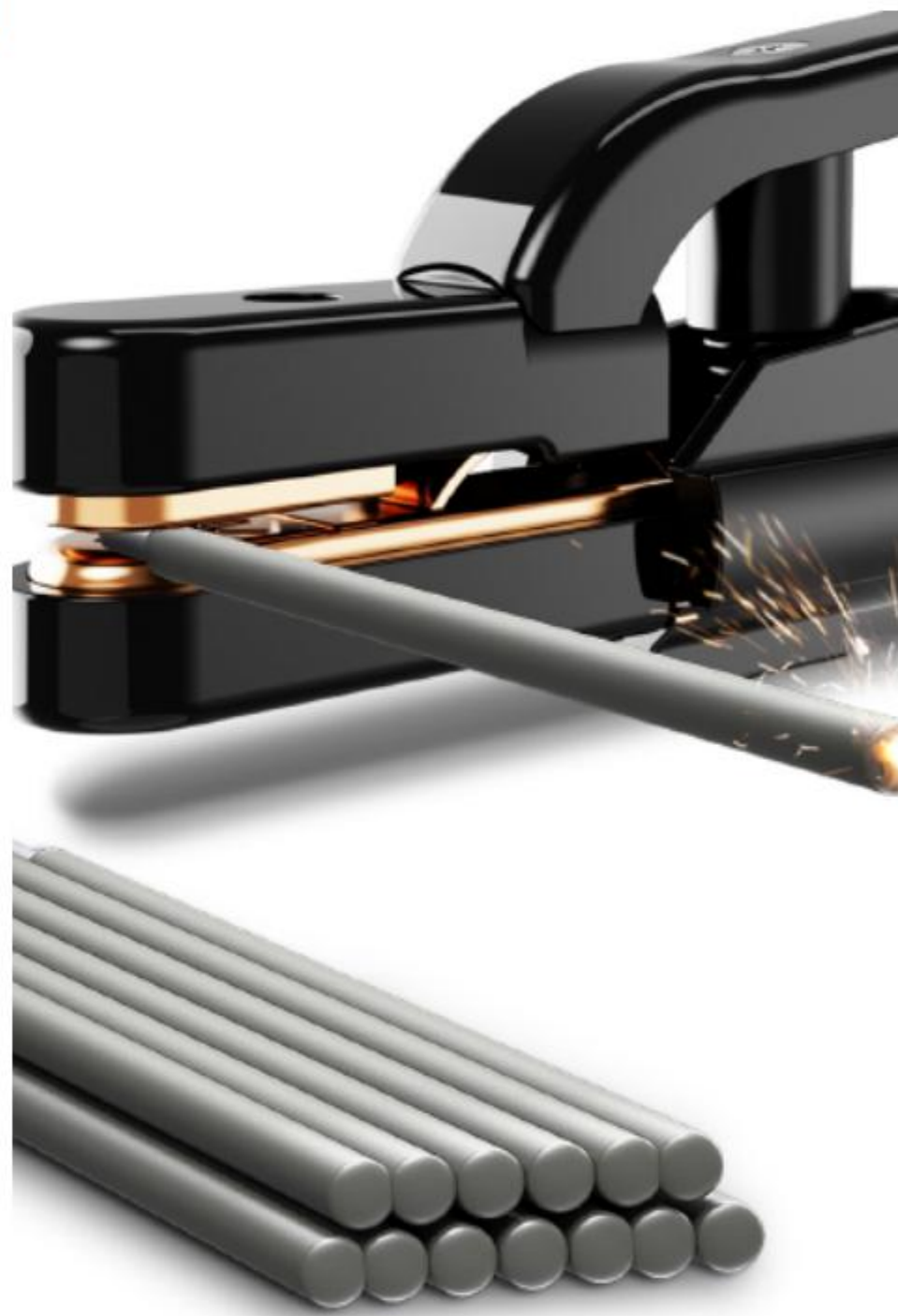
IGBT - Inverter DC ARC welder



Optional accessories



| Item model                       | MMA 500T         |
|----------------------------------|------------------|
| Input voltage(V,HZ)              | 380V±15% 50-60HZ |
| Input current(A)                 | 23.5A            |
| Rated input power capacity (KVA) | 15.5KVA          |
| Output Current Range(A)          | 40A-350A         |
| No-load voltage (V)              | 65V              |
| Rated output voltage (V)         | 21.6V-34V        |
| efficiency(%)                    | 60%              |
| efficiency                       | ≥80%             |
| Power factor (COSφ)              | 0.9              |
| weight(kg)                       | 9.5              |
| Dimensions(mm)                   | 595X315X530      |
| insulation level                 | F                |
| Enclosure protection class       | IP21S            |





MMA 500

Digital

INVERTER ARC WELDING MACHINE



| Item model                       | MMA 500          |
|----------------------------------|------------------|
| Input voltage(V,HZ)              | 380V±15% 50-60HZ |
| Input current(A)                 | 23.5A            |
| Rated input power capacity (KVA) | 15.5KVA          |
| Output Current Range(A)          | 40A-350A         |
| No-load voltage (V)              | 65V              |
| Rated output voltage (V)         | 21.6V-34V        |
| efficiency(%)                    | 60%              |
| efficiency                       | ≥80%             |
| Power factor (COSφ)              | 0.9              |
| weight(kg)                       | 16.5             |
| Dimensions(mm)                   | 595X315X530      |
| insulation level                 | F                |
| Enclosure protection class       | IP21S            |

Features

- IGBT Inverter Technology, fast dynamic response.
- VRD function inbuilt.
- With over-voltage, low-voltage, over-current and over-heated protection.
- LED digital control system.
- High output voltage, easy ARC starting, less spatter.
- With ARC force, stable current, with thrust compensation functions.
- Heavy duty.
- Dustproof, waterproof, anti -corrosion protection.

MMA 630

Digital

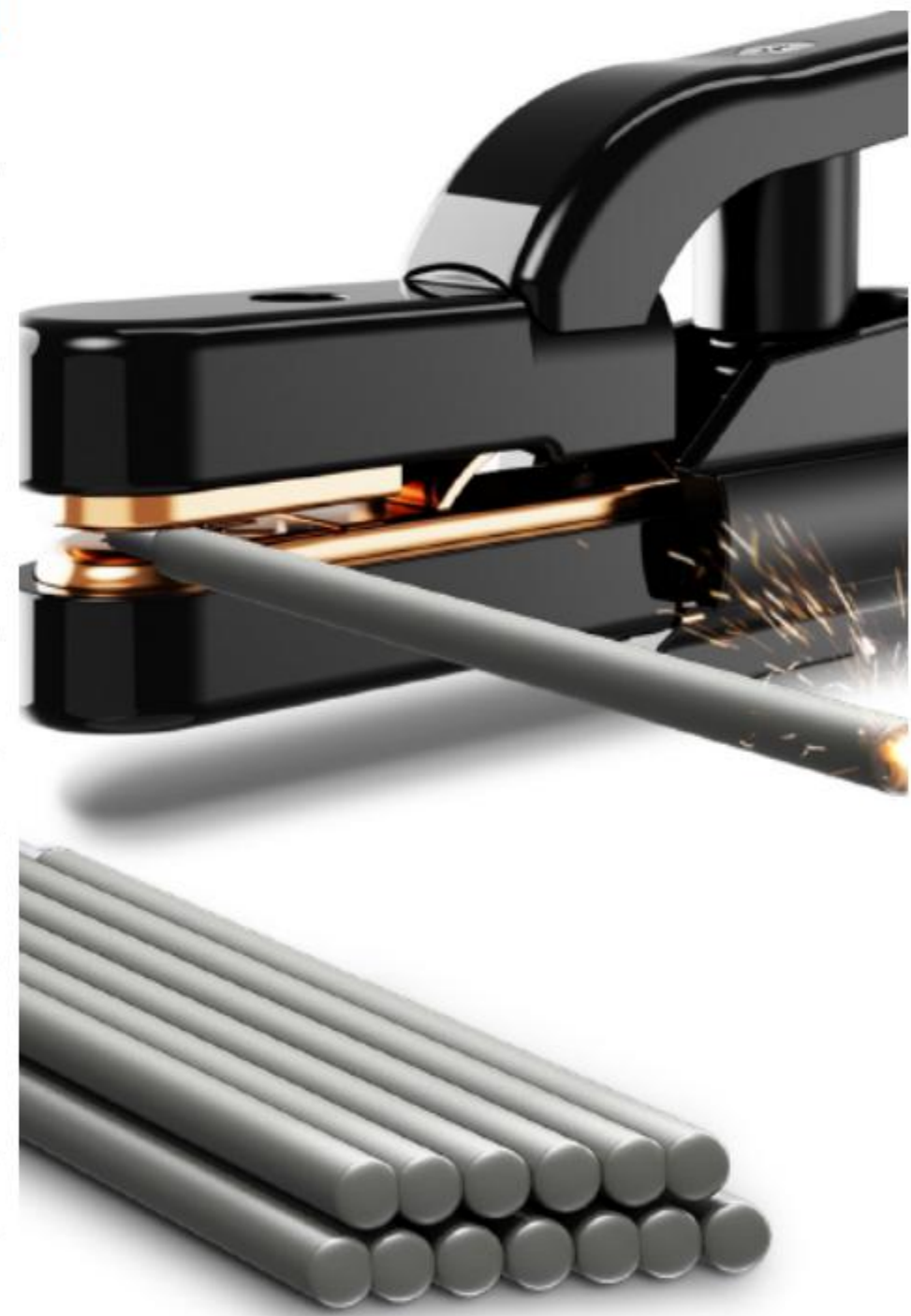
INVERTER ARC WELDING MACHINE



Optional accessories



| Item model                       | MMA 630          |
|----------------------------------|------------------|
| Input voltage(V,HZ)              | 380V±15% 50-60HZ |
| Input current(A)                 | 23.5A            |
| Rated input power capacity (KVA) | 30.5KVA          |
| Output Current Range(A)          | 40A-550A         |
| No-load voltage (V)              | 65V              |
| Rated output voltage (V)         | 21.6V-42V        |
| Duty rate (%)                    | 60%              |
| efficiency(%)                    | ≥80%             |
| Power factor (COSφ)              | 0.9              |
| weight(kg)                       | 28               |
| Dimensions(mm)                   | 710X385X680      |
| insulation level                 | F                |
| Enclosure protection class       | IP21S            |





[illegible][illegible]