

PUNAIR®

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SHENZHEN PUNAIR TECHNOLOGY CO., LTD.



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Outstanding Quality

BEST EXPERIENCE FOR DIY POPULATION

BEST MARKETING MIX

FOR THE WHOLE SELLER

This set of Portable MMA/STICK mix is featured by both auto adaptive HOT START and auto adaptive arc forces control. It best improves the welding performance under the tough applicational environment where the electrode ignition and easy-electrode sticking can be frequently happened, and its most shining advantage is that the **failure rate is below 1%** under 10,000 pieces.

ARC200TT, 1P/220±15%

30A-120A

ARC200D, 1P/220±15%

30A-160A



30A-140A

ARC200DT, 1P/220±15%

30A-200A

ARC200, 1P/220±15%

COMPETITIVE

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DURABLE

耐用

REWARDABLE

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BEST WELDING EXPERIENCE
FOR PROFESSIONAL OPERATORS

BEST CHOICE FOR LIGHT INDUSTRY



▶ **ARC250CS**

Single Phase/220V $\pm 15\%$, 250A;
Non-stop welding operation for 4.0 electrode,
even **24 hours a day**;
High reliability with nice welding seam.



▶ **ARC315CI**

Three Phase/380V $\pm 15\%$, 315A;
Heavy duty cycle with good welding performance,
even using **50M output cable**.



▶ **ARC400CI**

Three Phase/380V $\pm 15\%$, 400A
Heavy duty cycle, with good welding performance
even using **100M output cable** under the poor
environment such as humidity and dusty air condition
etc

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INTELLIGENT MMA/STICK SOLUTION

— TARGET ON LIGHT INDUSTRY APPLICATION

This set of smart welder MMA/STICK is featured by multiple functions of ARC Force, Anti-Stick, Hot Start and VRD to fit into different welding applications in the field. It best improves the welding performance and users' experiences with friendly features such as easy ARC ignition for both of acid and basic electrodes, strong ability against power supply fluctuation etc, and even working very well with generator by having stable ARC characteristics. It covers welding application demands from materials of carbon steel, low-alloy and stainless steel, electrode size from 1.6mm to 5.0mm.



P260 220V



P450 380V



SMART



P260K 150~510V



P320K 150~510V



P420K 150~510V

● PUNAIR'S UNIQUE, STRONG AND AVANCED FEATURES ●



- IGBT inverter technology, compact, light weight and portable;
- Excellent characteristics with Acid and Basic electrode;
- Ideal for all position welding, horizontal welding, vertical welding and overhead welding;
- Auto stored current vs electrode parameters, good for fresh operators or users
- Stable welding performance with 100m cables and friendly interaction with generators.

INTELLIGENT INDUSTRIAL MMA SERIES

This set of MMA welding machines is based on the advanced MCU and IGBT technology and featured by multiple functions of ARC Force, Anti-Stick, Hot Start and VRD to fit into different welding applications and ensure the best welding performance and users' experiences in the industrial fields.



ARC 250 MAX 3Phase / 380V

Suitable for 3.2/4.0 electrodes

30A-250A

ARC 300 MAX 3Phase / 380V

ARC 400 MAX 3Phase / 380V

Suitable for 3.2/4.0/5.0 electrodes

30A-300A

30A-400A



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INTELLIGENT MIG/MAG/MMA WELDER

— HIGH PERFORMANCE FEATURES ON DIY

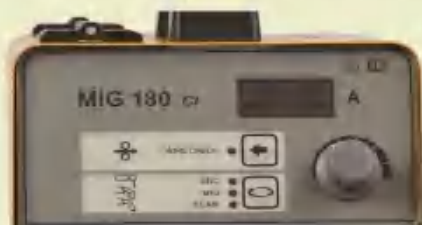
The smallest digital MIG180CI is first independently developed and launched by Punair in China and has strong features as follow.



GAS & GASLESS
MIG 180 CI AC220V

- Single phase power input:220V±15%; 160A output
- Multi-function: gasless flux core, gas solid wire and MMA process
- Perfect match for 1.0mm flux core wire, 0.8mm solid wire and 3.2mm electrode
- MCU synergic control technology, getting you free from parameter adjusting trouble, auto adaptive

PUNAIR'S UNIQUE, STRONG AND AVANCED FEATURES



- Killer of portal MMA welder;
- Perfect replacement of regular MIG welder;
- Getting you free from parameter adjusting trouble.

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PORTABLE OUTDOOR GOOD MIG HELPER

This set of Digital and synergy MIG welding machines is based on the advanced MCU and IGBT technology and featured by multiple functions of MMA, Anti-Stick, Hot Start and VRD to fit into different welding applications. And it is a really an good helper for your outdoor metal work with the convenient FCAW (Gasless MIG) function.



MIG 120 1Phase / 220V

Gasless MIG + MMA

Suitable for 1.0 flux core wire, 3.2 electrodes

20A-120A

MIG 180 1Phase / 220V

Gas / Gasless MIG + MMA

Suitable for 1.0 flux core / 0.8 solid wire, 3.2 electrodes

20A-180A



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Outstanding Quality

SMART&MIGHTY PORTABLE MIG MIX

Digital & Synergy Technology, Multiple Functions consist of GAS & GASLESS MIG/MAG, MMA AND LIFT TIG; Perfectly fit for diverse welding applications; well recognized by its long standing reliability and durability.



► MIG200CI

Single Phase/220V $\pm 15\%$, 200A;
Highly fit for 0.6, 0.8mm gas wire and 1.0mm gasless 5kg wire.

► MIG230CI

Single Phase/220V $\pm 15\%$, 230A;
Highly fit for 0.8, 1.0 mm gas wire and 1.0mm gasless 5kg&15kg wire.



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BEST ECONOMICAL **MIG/MAG** PORTFOLIO

— TARGET ON INDUSTRIAL USERS

MIG 270 Q 1P/2P/3P

MIG 270 3P/380

MIG 350 3P/380

MIG 500 3P/380



30A-270A

30A-270A

30A-350A

50A-500A

This set of cutting-edge industrial MIG/MAG products adopt MCU control and IGBT technology, and is an intelligent multi-boards welder with LED display and synergetic function which make it possible for automatical match of welding current VS voltage, wire feeding speed VS voltage. It can be used for gas&gasless MIG/MAG and MMA, and it is also adjustable for the spot/continuous welding, 2T/4T, inductance functions, remote and near control. All these ensure the great welding effect and a wonderful user experience. Indeed, It is absolutely an economical choice when you looking for a high-performance Industrial MIG/MAG welding machine.

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BEST INTEGRATED MIG/MAG PORTFOLIO

— TARGET ON INDUSTRIAL USERS

MIG 270 Y 1P/2P/3P

MIG 270 3P/380

MIG 500 Y 3P/380



30A-270A

50A-500A

This set of cutting-edge industrial MIG/MAG products adopt MCU control and IGBT technology, and is an intelligent multi-boards welder with LED display and synergetic function which make it possible for automatical match of welding current VS voltage, wire feeding speed VS voltage. It can be used for gas&gasless MIG/MAG and MMA, and it is also adjustable for the spot/continuous welding, 2T/4T, inductance functions, remote and near control. All these ensure the great welding effect and a wonderful user experience. Indeed, It is absolutely an economical choice when you looking for a high-performance Industrial MIG/MAG welding machine.

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BEST INTEGRATED **MIG/MAG** PORTFOLIO

— TARGET ON INDUSTRIAL USERS

MIG 250Y 1P/220

MIG 270Y 1P/220

MIG 500 Y 3P/380



30A-250A

30A-270A



30A-500A

This set of cutting-edge industrial MIG/MAG products adopt MCU control and IGBT technology, and is a digital and intelligent welder with LED display and synergetic function which make it possible for automatical match of welding current VS voltage, wire feeding speed VS voltage. It can be used for gas&gasless MIG/MAG and MMA, and it is also adjustable for the spot/continuous welding, 2T/4T, inductance functions, etc.,

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SYNERGY MIG WITH PULSE

Digital & Synergy Advanced Technology, Pulse and Doubled Pulse MIG/MAG, An all-round professional inverter welder, with high performance to weld Aluminum alloy, Titanium Alloy, Stainless steel, etc

► MIG270PY

Three Phase/380V±15%, 270A;
Highly fit for 0.6/0.8/1.0 mm wire.



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INDUSTRIAL MIG MIX

Digital & Synergy Advanced Technology, Excellent Performance with Heavy Duty Cycle, Capable of fulfilling full-time operation for the welding operation for heavy industries, even in **24 hours per day**.



▶ **MIG350DG**

Three Phase/380V±15%, 350A;
Highly fit for 0.8/1.0/1.2 mm wire.

▶ **MIG500CI**

Three Phase/380V±15%, 500A;
Highly fit for 1.0/1.2/1.6 mm wire.



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Outstanding Quality

HIGH PRECISION TIG SERIES

— TARGET ON AESTHETIC WELDING USERS

Precise & smoothy ignition, stable current to ensure highly demanding TIG welding application, perfect solution for where there required high quality and aesthetics welding effects



▶ **TIG200SJ**

Single Phase/220V $\pm 15\%$, 200A;
High Precision TIG, Highly fit for
spot welding and continuous welding.

▶ **TIG200A**

Single Phase/220V $\pm 15\%$, 200A
Multiple Functions, TIG&ARC;
Perfect for Stainless Welding Application.



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BEST TIG MIX FOR PRECISE WELDING

— TARGET ON HOME & INDUSTRIAL USERS

TIG 200 1P/220V

TIG 200 A 1P/220V

TIG 250 A 220/380V

TIG 315A 3P/380V



5A-180A

5A-200A

5A-250A

5A-300A

This set of compact TIG welding machines is targeted for thin plate and tube welding, which adopt the advance MCU control and IGBT technology. It is small in size but mighty in performance. The Multi function Continuous TIG & SPOT TIG & MMA ensures a wide application fileds. It is user friendly with the Intelligent LED display, automatic storage for parameters, minimum current 5A successfully ARC ignition, adjustable front and rear gas, spot welding and pause time functions. In general, this is a King Model for welding thin parts.

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Outstanding Quality

PLASMA CUTTING SERIES

High Capacity of Cutting and High Efficiency in Cutting Process

CUT160:

55MM PLATE

CUT100CG:

40MM PLATE

CUT60CG:

15MM PLATE

CUT40:

10MM PLATE



Model Parameter	CUT40	CUT60CG	CUT100CG	CUT160
Input Voltage(V)	1P/220V	3P/380V	3P/380V	3P/380V
Frequency(HZ)	50/60	50/60	50/60	50/60
Rate input Current(A)	14.5	8.3	19	44.3
No-Load Voltage(V)	255	275	293	320
Ouput Current Range(A)	15-40	20-60	30-100	30-160
Duty Cycle(%)	60	60	100	100
Housing Protection Grade	IP21	IP21	IP21	IP21
Net Weight(KG)	6.65	10.5	21	60
Dimension(mm)	410*155*295	445*215*355	605*340*440	670*337*617

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INTELLIGENT LED PLASMA CUT SERIES

This set of Plasma CUT machines adopts the advanced MCU and IGBT technology. It is available under 1P/2P/3P voltage. By equipping with an user friendly operation LED panel, adjustable 2T/4T, and post gas function, which greatly improved the user friendly experience.



CUT 60 □ Full grid voltage 150-510V

Quality cutting for the 12mm plates

20A-80A

CUT 100 3 Phase 380V

Quality cutting for the 25mm plates

20A-100A



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COMPACT INNER PUMP PLASMA CUT KIT

—TARGET ON LIGHT INDUSTRY APPLICATION



CUT 40 QN 1 Phase / 220V

Quality cutting for the 6mm plates

20A-40A

The portable plasma cutting machines CUT 40 adopts the advanced MCU and IGBT technology, which has optional air supply with Build-in air pump or external air source, and with a user friendly operation LED panel, adjustable 2T/4T, and post gas function.

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INNER AIR COMPRESSOR PLASMA CUT

The set of Plasma CUT machines adopts the advanced MCU and IGBT technology. It is available under 1P/2P/3P voltage, and it has Optional air supply with Build-in air pump or external air source, and with a user friendly operation LED panel, adjustable 2T/4T, and post gas function.



CUT 60 QN Full grid voltage 150-510V

Quality cutting for the 12mm plates

20A-60A

CUT 80 QN Full grid voltage 150-510V

Quality cutting for the 15mm plates

MMA for 3.2mm electrode

Contact/Non-contact ARC starting

20A-55A



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INNER AIR COMPRESSOR PLASMA CUT

The set of Plasma CUT machines adopts the advanced MCU and IGBT technology. And it has Optional air supply with Build-in air pump or external air source, and with a user friendly operation LED panel, adjustable 2T/4T, and post gas function.



CUT 100 N 1Phase 220V

Quality cutting for the 25mm plates

20A-100A

CUT 120 N 3 Phase 380V

Quality cutting for the 35mm plates

20A-120A



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INNER AIR COMPRESSOR PLASMA CUT

The set of Plasma CUT machines adopts the advanced MCU and IGBT technology. It is available under 1P/2P/3P voltage, and it has Optional air supply with Build-in air pump or external air source, and with a user friendly operation LED panel, adjustable 2T/4T, and post gas function.



Model Parameter	CUT40N	CUT60QN	CUT80QN	CUT100N	CUT120N
Input Voltage	1P/220V	150-510V	150-510V	3P/380V	3P/380V
Cut Current	20-40A	20-60A	20-65A	20-100A	20-120A
MMA Current	/	/	30-160A	30-240A	30-240A
Quality Cutting	8mm	12mm	15mm	25mm	35mm
Electrode Dia	/	/	3.2mm	4.0mm	4.0mm

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PILOT 普焊

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Outstanding Quality

MINI SMART MMA/STICK/ARC WELDER

— TARGET ON DIY WORK OF HOME USER



ARC 160 1Phase/220V

30-120A Weight:2.5KG Size:256X106X180

Punair's new model-smart welder ARC160 is a compact and portable welding machine in the pocket size. Based on the MCU and IGBT technology and friendly LED operation panel, it is very suitable for the MMA welding operation with 2.5mm and 3.2mm electrodes. Indeed, this is an affordable welding product but also assures a wonderful welding experience and performance.

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COMPACT MMA/STICK/ARC WELDER

— TARGET ON LIGHT INDUSTRY



ARC 250SV 220/380V



1 Phase 140A 2 Phase 160A

Punair's new model-smart welder ARC 250SV is a compact and portable welding machine in the pocket size. Based on the MCU and IGBT technology and friendly LED operation panel, it is very suitable for the MMA welding operation with 2.5mm and 3.2mm electrodes under dural voltages. Indeed, this is a good helper for both home and industrial using fields.

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INTELLIGENT MMA/STICK/ARC SOLUTION

— TARGET ON LIGHT INDUSTRY APPLICATION

ARC 160 MAX 1P/220V

30A-170A

ARC 250 D MAX 220V/380V

30A-240A



30A-210A

ARC 200 MAX 1P/220V

30A-260A

ARC 250 MAX 3P/380V

This set of LED smart welder is featured by multiple functions of ARC Force, Anti-Stick, Hot Start and VRD to fit into different welding applications in the field. It best improves the welding performance and users' experiences with friendly features such as easy ARC ignition for both of acid and basic electrodes, strong ability against power supply fluctuation etc, and even working very well with generator by having stable ARC characteristics.

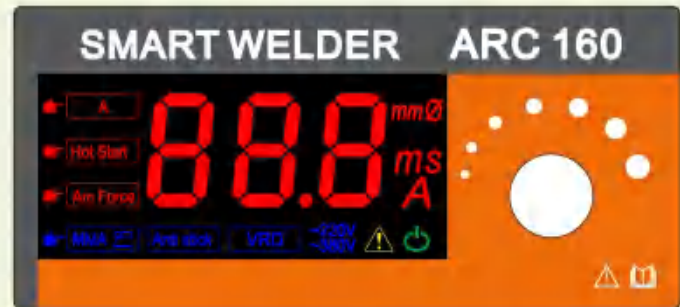
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MINI SMART MMA/STICK/ARC WELDER

— TARGET ON DIY WORK OF HOME USER



ARC 160 1Phase/220V

30-120A Weight:2.5KG Size:256X106X180

Punair's new model-smart welder ARC160 is a compact and portable welding machine in the pocket size. Based on the MCU and IGBT technology and friendly LED operation panel, it is very suitable for the MMA welding operation with 2.5mm and 3.2mm electrodes. Indeed, this is an affordable welding product but also assures a wonderful welding experience and performance.

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INTELLIGENT MMA/STICK SOLUTION

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ARC160MAX 220V



ARC200MAX 150-510V

DIGITAL ARC
LIGHT INDUSTRY

SMART



ARC250D MAX 150-510V



ARC250MAX 380V

● PUNAIR'S UNIQUE, STRONG AND AVANCED FEATURES ●



- IGBT inverter technology, compact, light weight and portable;
- Excellent characteristics with Acid and Basic electrode;
- Ideal for all position welding, horizontal welding, vertical welding and overhead welding;
- Auto stored current vs electrode parameters, good for fresh operators or users
- Stable welding performance with 100m cables and friendly interaction with generators.

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Company Profile

SHENZHEN PUNAIR TECHNOLOGY CO., LTD.



Shenzhen Punair Technology Co., Ltd is a National High-Tech Enterprise. The company is located in Shenzhen, China and specializes in the R&D, manufacturing, marketing&sales for the inverter welding&cutting machines, with its mission to develop and contribute to the industry and market on the global basis.

The company has expanded its advanced manufacturing facilities up to over 10,000 square meters where there are equipped with three advanced automation production lines and sufficient sophisticated equipments and devices.

"Quality&Innovation Make PUNAIR Standing Out over the World" is our core concept. With its underpinning, Punair is striding on the right road to bring its continuous contribution in the technology and market development as well as to be one of worldwide manufacturing leaders&suppliers in the global welding industry.



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