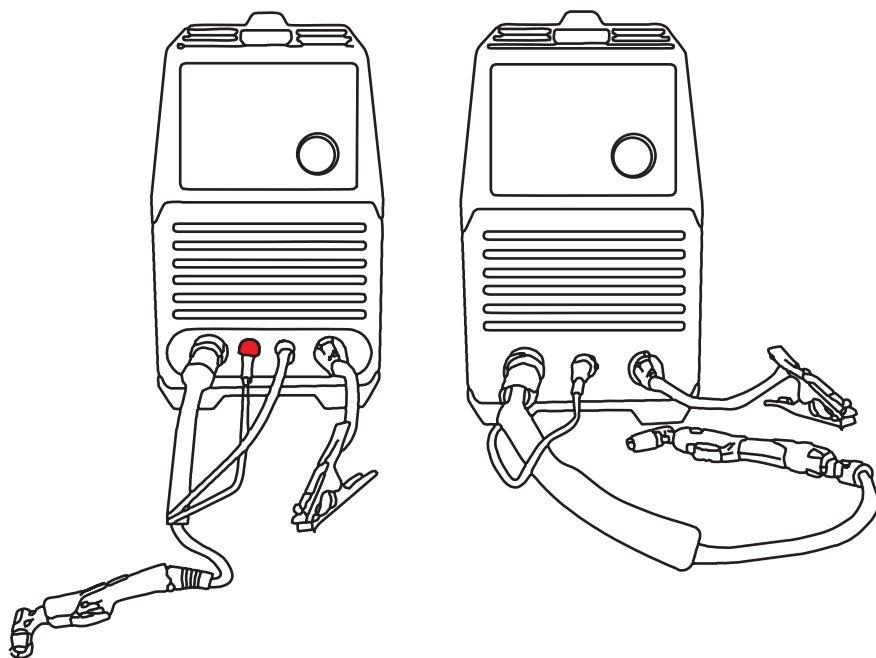




Just weld and cut

Plasma Cutter Operation Manual



RBC6000/RBC6000D/RBC6000 PRO/RBC6000D PRO
RBC6000L/RBC6000DL/RBC6000L PRO/RBC6000DL PRO
RBC4000LF/RBC6000DLF



Just weld and cut



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Facebook

Reboot Welding Solutions




















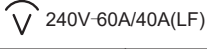










Ins

weldflowhub

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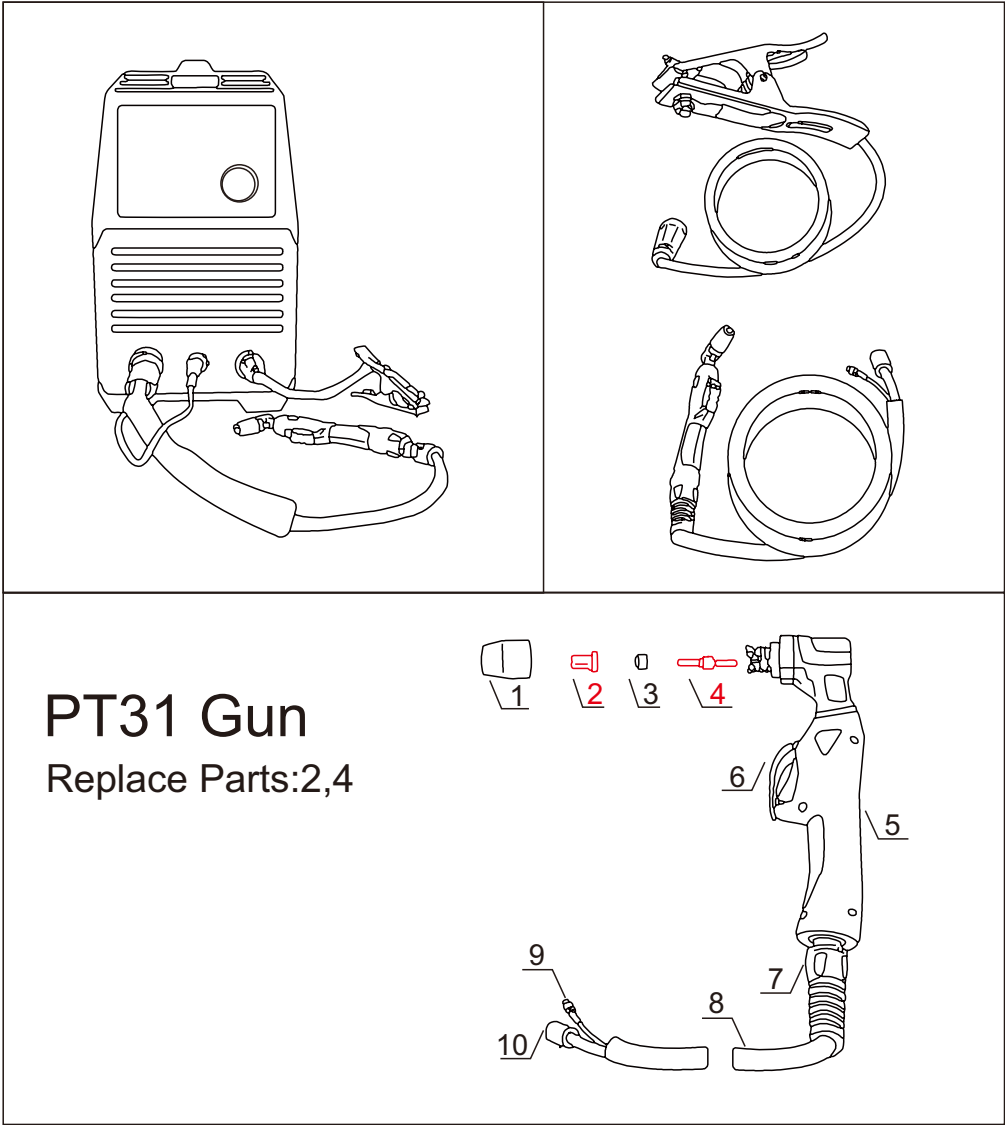
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1、Product Brief Introduction

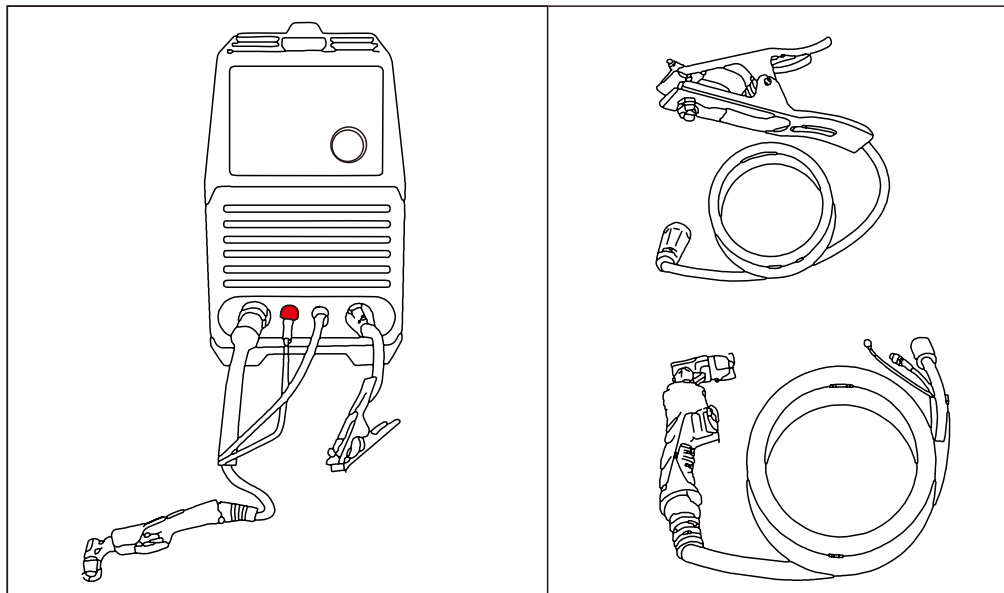
 Model	RBC6000DLF RBC6000D RBC6000DL RBC6000D PRO RBC6000DL PRO	 Input Voltage	AC120 50-60Hz AC240 50-60Hz	 Circuit Breaker	120V:55A 240V:40A	
	RBC4000LF RBC6000 RBC6000L RBC6000 PRO RBC6000L PRO		AC240V 50-60HZ		240V:40A	
 Duty Cycle	20%	 Current Range	15-40A 15-60A	 Voltage Range	86-96V 86-104V	
 Efficiency	75%	 Protection Class	IP21S	 Power Factor	0.85	
 No-Load Voltage	325V	 Rated Power	7KVA	 Weight (Kg)	7KG	
 Insulation Class	H	 Size (mm)	440*245*265mm	 Air flow	180~200 l/min 6.4~7.1 CFM	
 1.0mm	 120V-35A			 240V-60A/40A(LF)		
 Jil Pa	 5Clear	 5max	 Jil Pa	 5Clear	 5max	
 Fe	70psi	8mm	12mm	75psi	12mm	16mm
 Ss	70psi	8mm	12mm	75psi	12mm	16mm
 Al	70psi	2mm	4mm	75psi	3mm	6mm
 Cu	70psi	2mm	3mm	75psi	3mm	5mm

2、Accessories list

2.1 Touch Arc RBC6000、RBC6000 PRO、RBC6000D、RBC6000D PRO

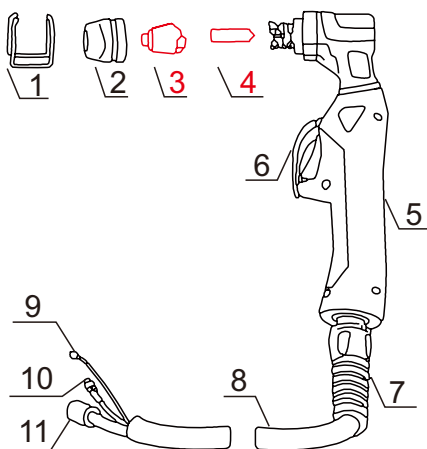


2.2 Pilot Arc RBC6000L、RBC6000DL、RBC6000L PRO、RBC6000DL PRO

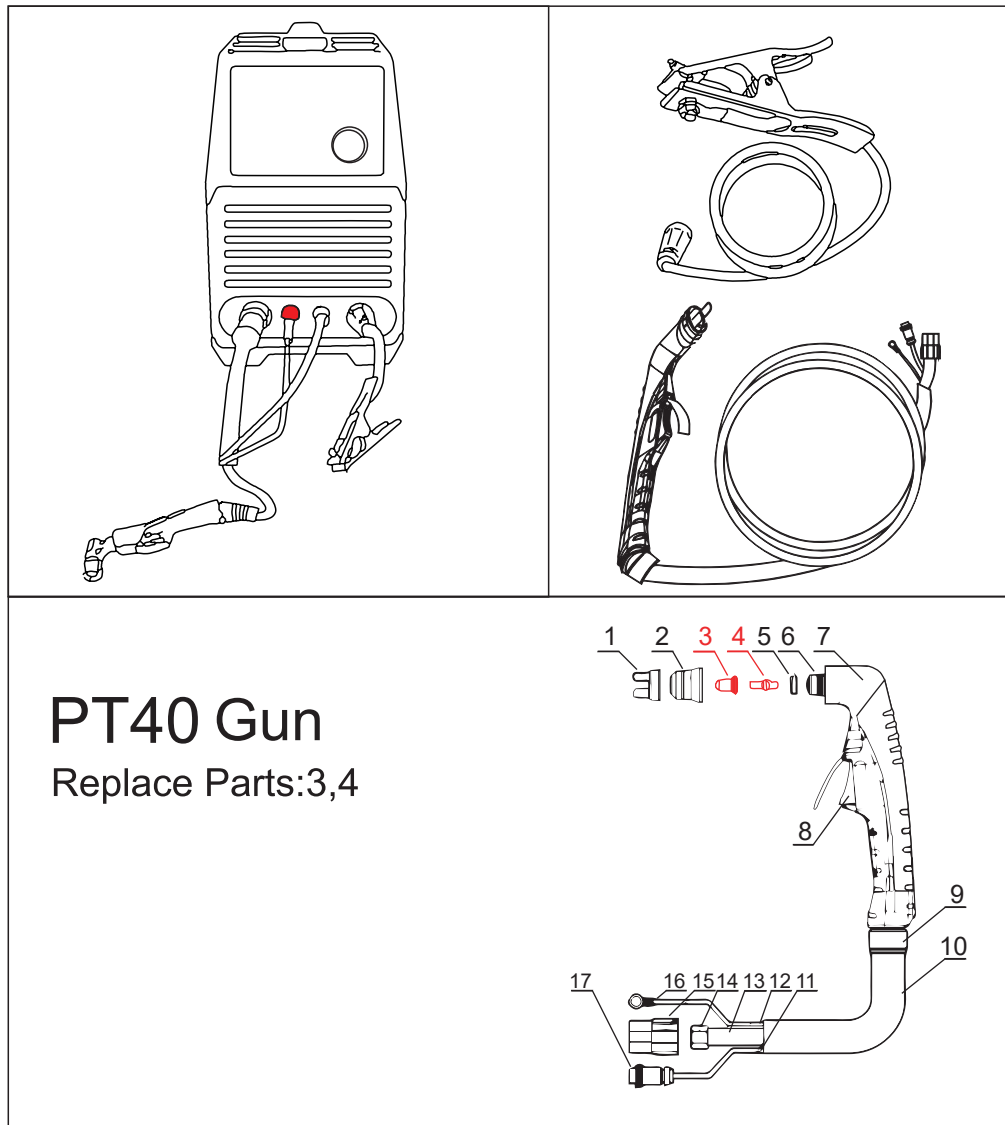


AG60 Gun

Replace Parts:3,4

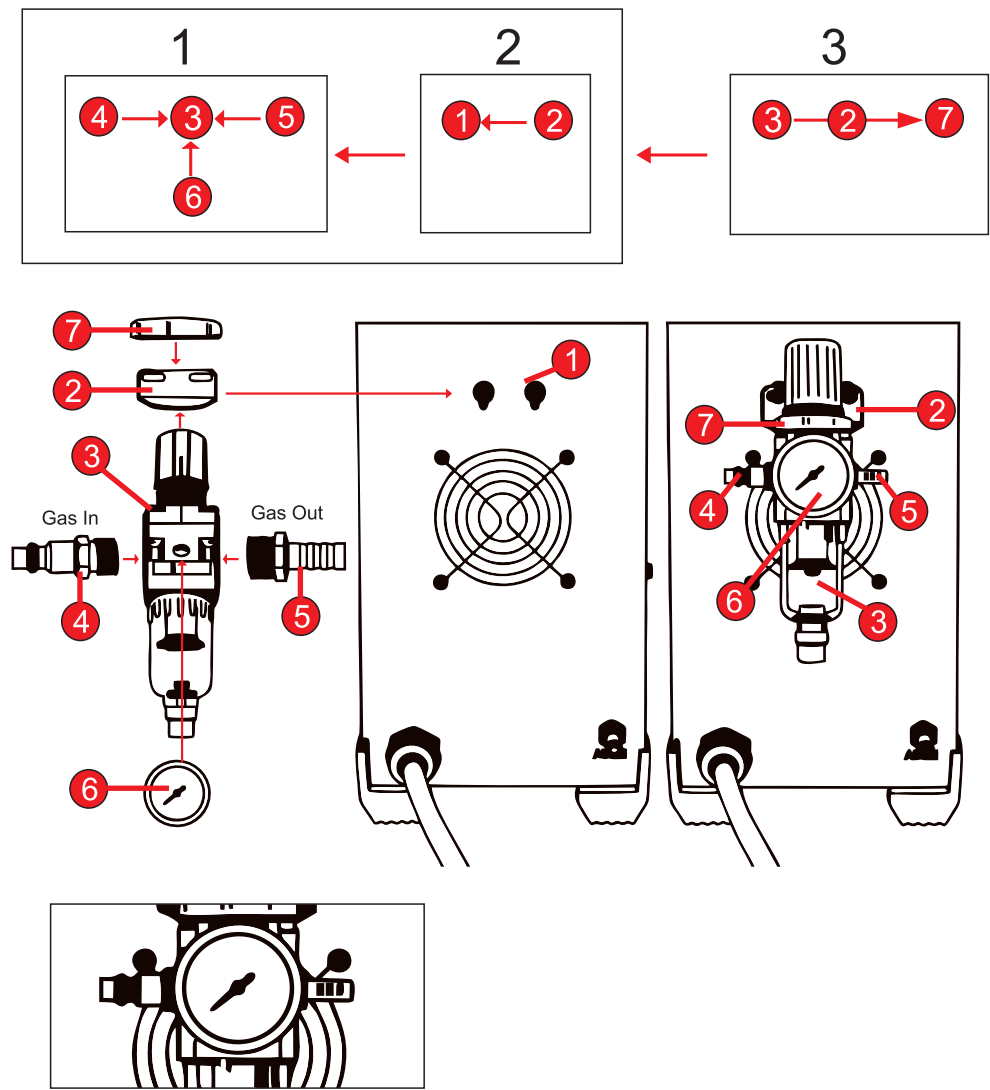


2.3 Pilot Arc RBC4000LF、RBC6000DLF

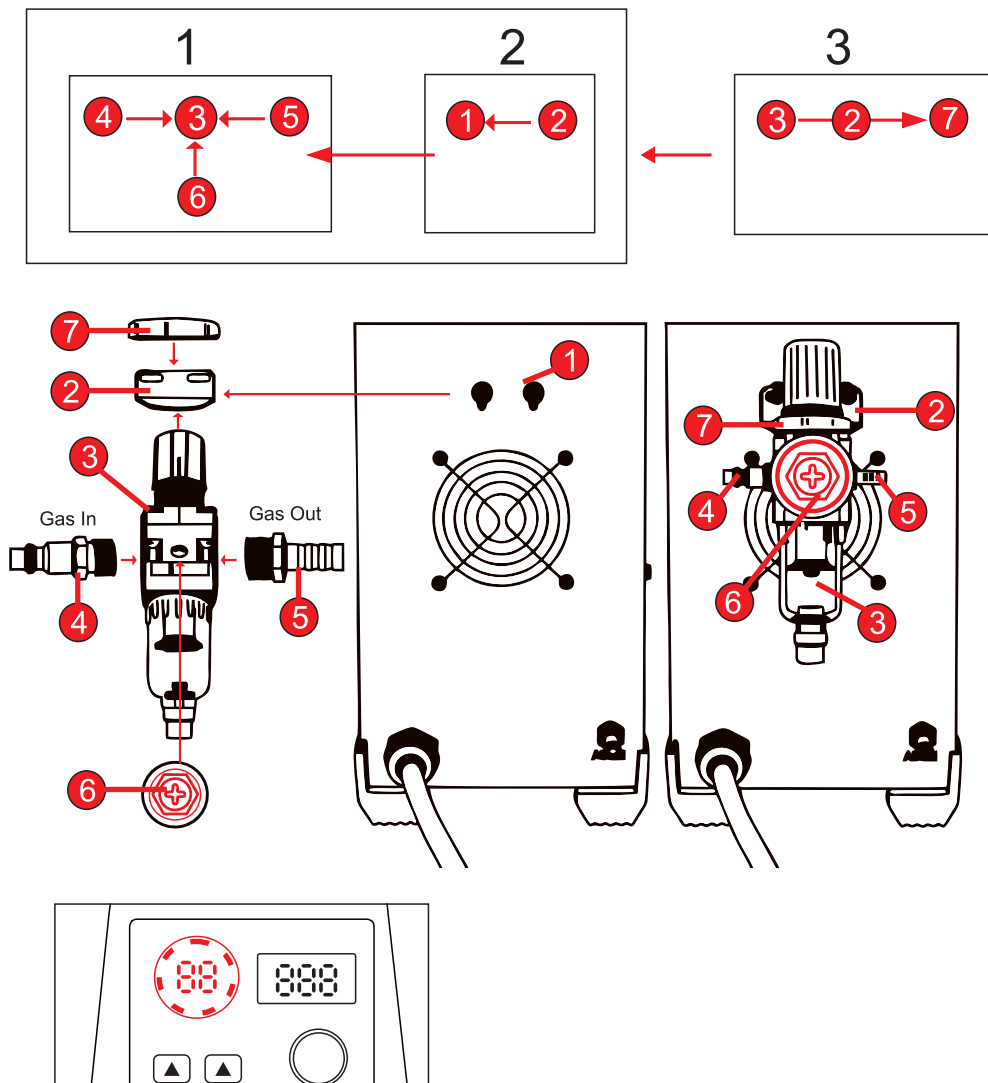


3、Installation of Air Regulator

3.1 RBC6000、RBC6000D、RBC6000L、RBC6000DL

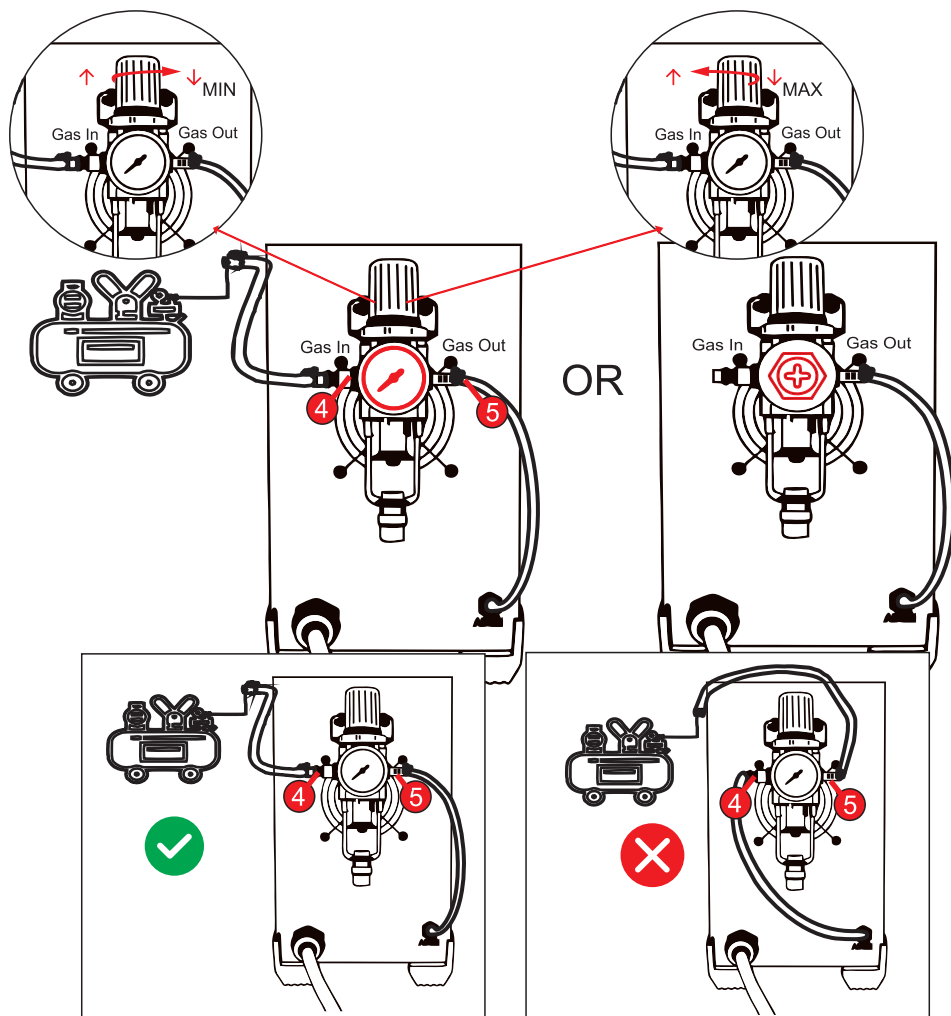


3.2 RBC6000 PRO、RBC6000L PRO、RBC6000D PRO、RBC6000DL PRO RBC4000LF、RBC6000DLF

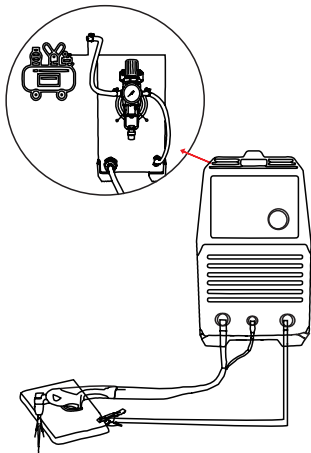


Air Pressure Display

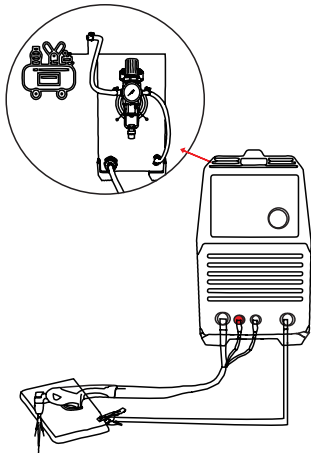
4. Air compressor connection



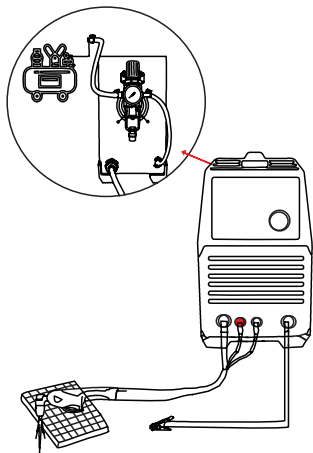
5.1 Touch ARC



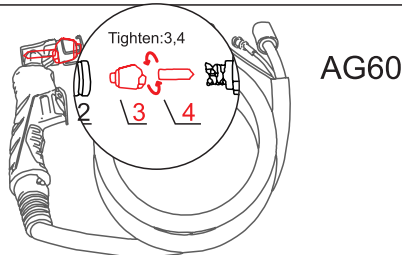
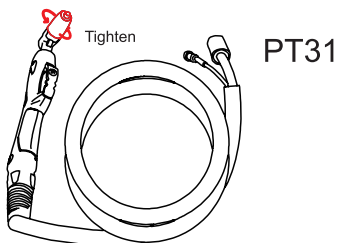
5.2 Pilot Arc



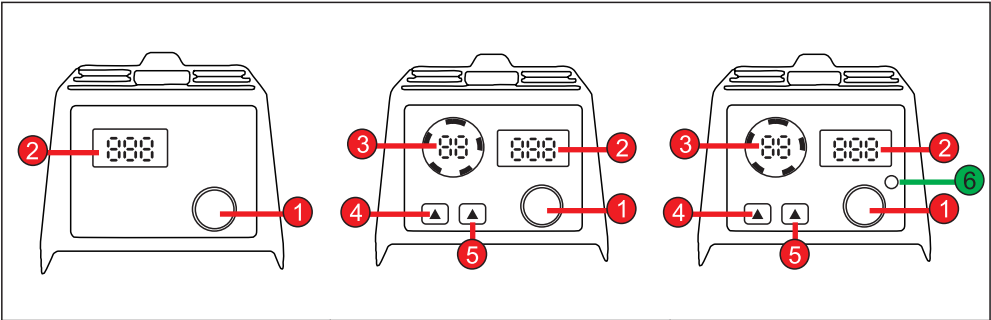
5.3 Pilot Arc Mesh



5.4 Attention

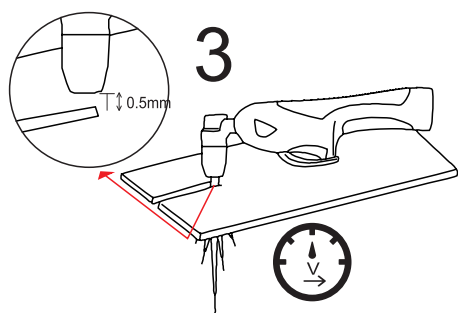
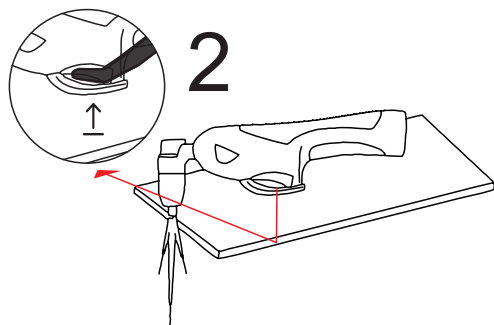
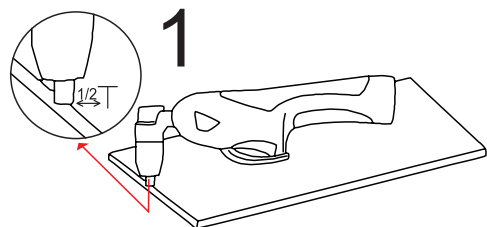


6、Operation panel interface

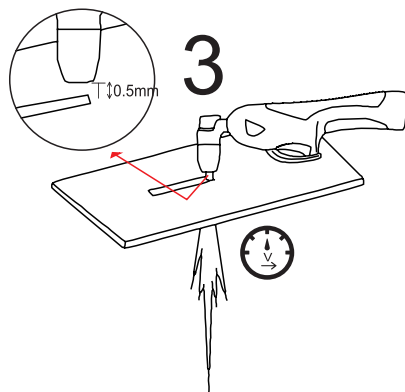
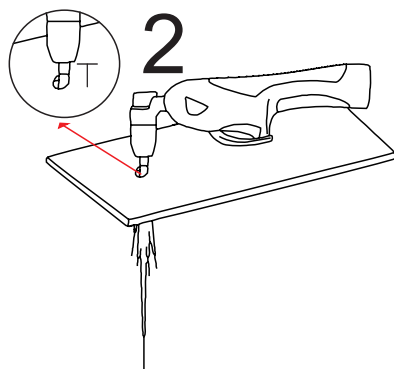
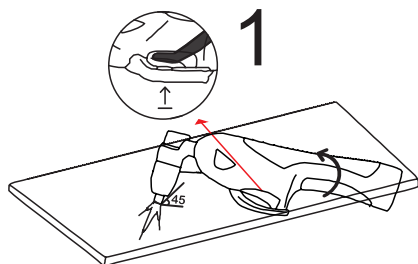
		
<div>RBC6000 RBC6000D RBC6000L RBC6000DL</div> <div>RBC6000D PRO RBC6000DL PRO RBC6000DLF</div> <div>RBC6000 PRO RBC6000L PRO RBC6000LF RBC4000LF</div>		
1	Current Adjust Knob	
2	Current Display	
3	Air Pressure Display	
4	【Post Air】 【Pilot Arc】 【Air Pressure】 Choice	
5	【2T】 【4T】 【Air Testing】 Choice	
6	【Low Wattage】 Press 1 and Hold 3 seconds: ON/OFF Disable for high-power use	

7、Start Cutting

7.1 Edge cutting

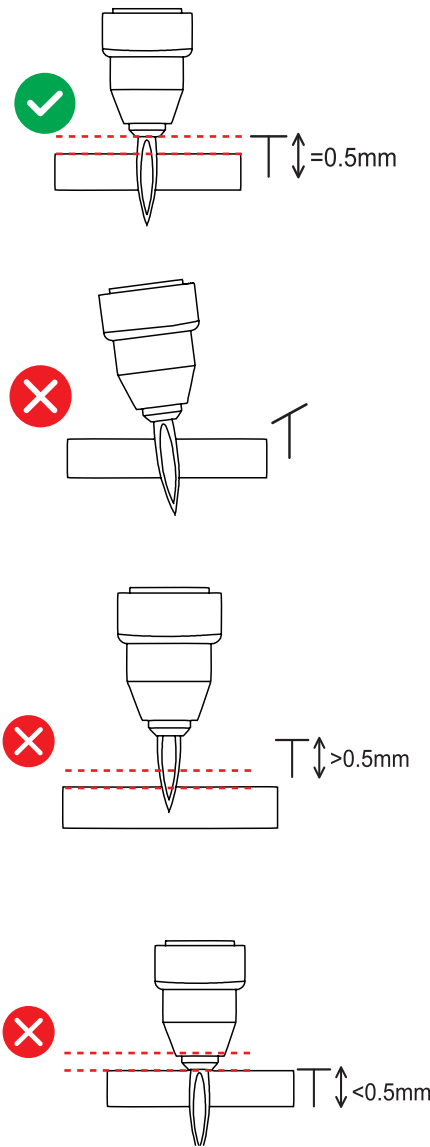


7.2 Piercing Cutting

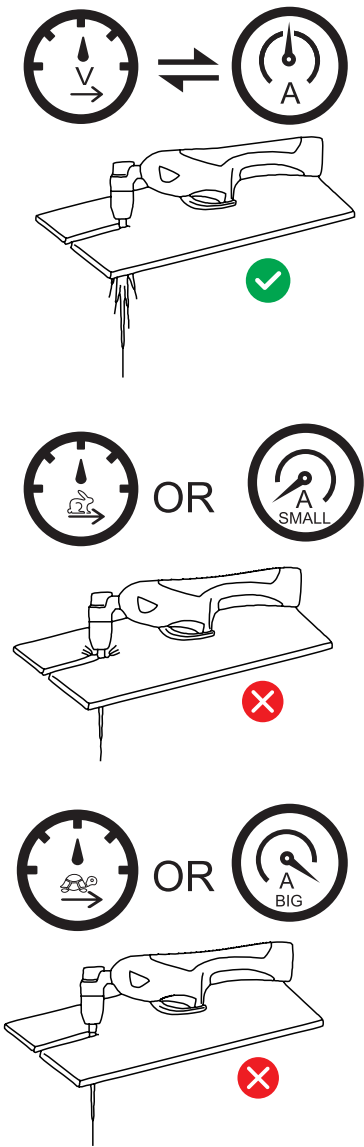


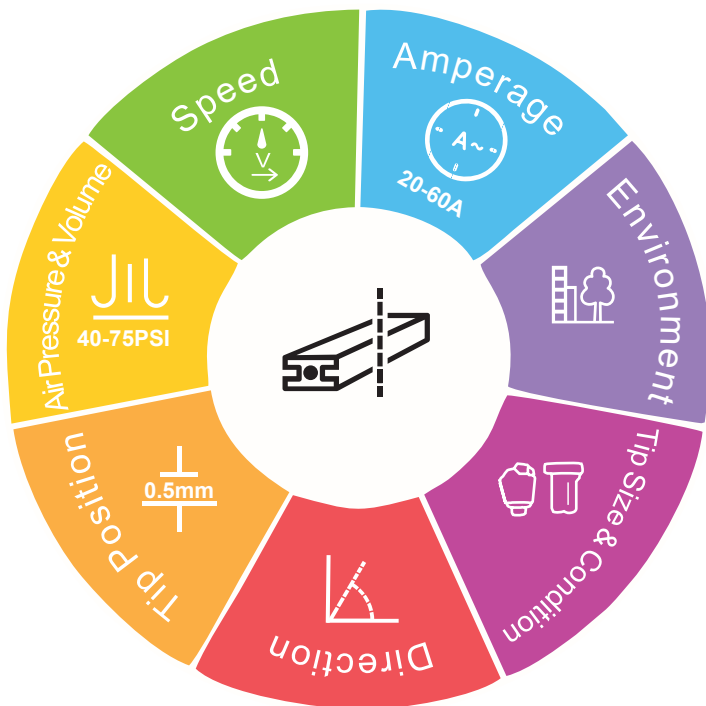
8、Hand torch cutting Show





8.1 Torch tip height & position



8.2 Speed and Amperage





<div>WARNING</div> <div>Do Not Remove, Destroy, Or Cover This Label.</div>		<div>FIRE HAZARD<ul style="list-style-type: none">Remove all flammable materials within 35 feet of the cutting arcKeep flying sparks from entering cracks or hidden areasKeep a fire extinguisher closeWear oil-free garments without pockets or cuffsDo not weld on closed containers</div>
<div>ELECTRIC SHOCK can kill<ul style="list-style-type: none">Wear dry protective apparelAvoid contacting work piece or groundAvoid contact with electrically live partsDo not touch work piece and welding wire at the same timeUse only recommended cables and cordsConnect ground clamp as close to the welding area as possibleDisconnect power when servicing this welder</div>	<div>ARC RAYS can injury eyes and burn<ul style="list-style-type: none">Always wear a helmet with full face and neck protection with shade#10 lensUse helmet that meets ANSL standardsWear correct eye,ear,and body protectionWarn people in the cutting area when you are staring an arc</div>	
<div>FUMES AND GASES can injure your health<ul style="list-style-type: none">Do not breathe fumes emitted by the welding processDo not weld coated or plated materials(galvanized, cadmiun, zinc, mercury, barium)Use ventilator when necessaryKnow the danger of materials you are weldingRefer to MSDS sheets for welding wire and materials being welded</div>	<div>PLASMA ARC CAN CAUSE INJURY<ul style="list-style-type: none">Use torch(es) specified in instruction manualDisconnect power source before disassembly of the torchThe shield cup must be installed prior to operation of the torchDo not point plasma torch at body partsDo not hold material near cutting pathKeep clear of torch tip while in use</div>	
<div>Read the operator's manual for more safety information</div>		
<div>MAGNETIC FIELDS<ul style="list-style-type: none">Keep people with pace makers away from your cutting areaKeep PLASMA torch and ground cables on the same side of your bodyDo not wrap cable around your body while cutting</div>		

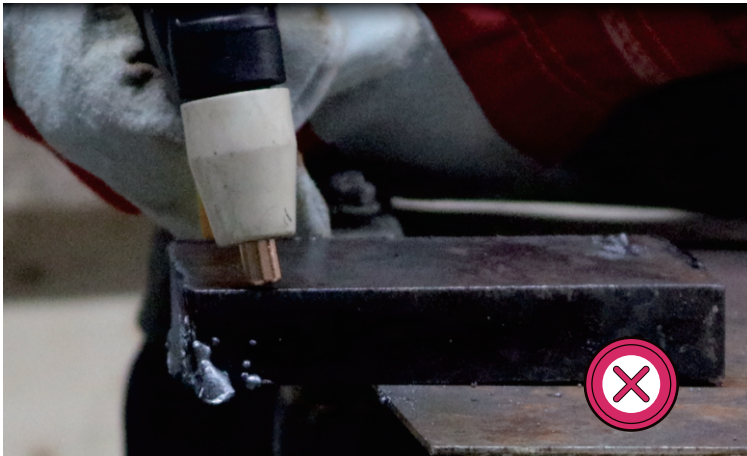
10、Cutting Guide

1. Rest assured, 95% of all issues with the operation of the machine can be resolved by following the steps below.

2. Three key points for using a cutting machine. Beginners are advised to start with cutting thin sheets and practice more.

Before cutting:

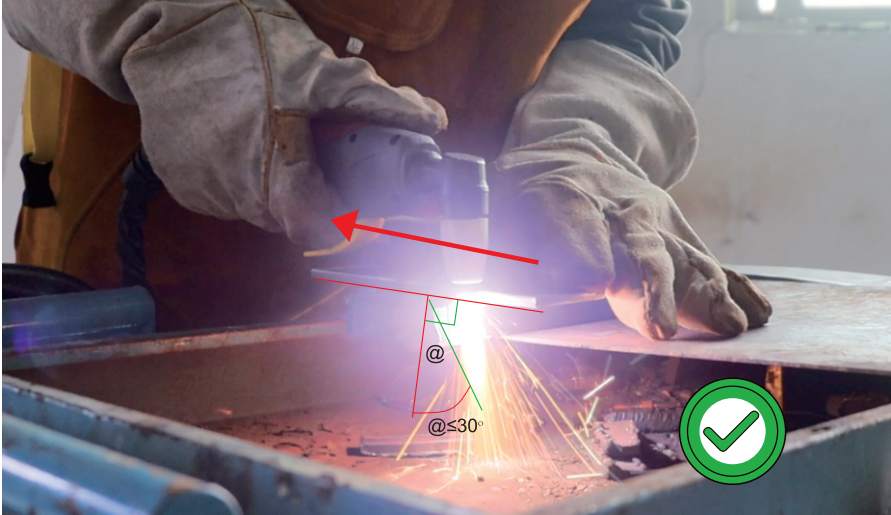
1. Ensure the torch head is perpendicular to the workpiece.
2. Position the midpoint of the holes in the nozzle in line with the edge of the workpiece.
3. Start the arc by pressing the torch trigger and move slowly forward, stopping the torch head until the cutting arc is as vertical as possible before proceeding.
4. If the cut isn't penetrating, slow down the torch movement and try cutting again elsewhere.
5. It's normal for beginners to struggle at first, so start with thinner plates, around 3mm.



10、Cutting Guide

During cutting:

- 1.Keep the torch head perpendicular to the workpiece throughout the cutting process.
- 2.Ensure the angle of the downward spark spray is no more than 30 degrees from vertical.
- 3.Slow down the torch movement if the angle is too large until it's less than 30 degrees.
- 4.If there's a spark spray back, stop cutting and restart from a new point.



10、Cutting Guide

Ending Cutting:

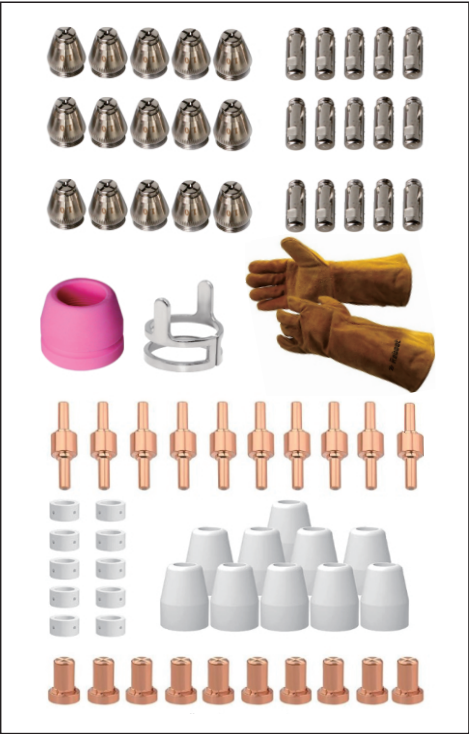
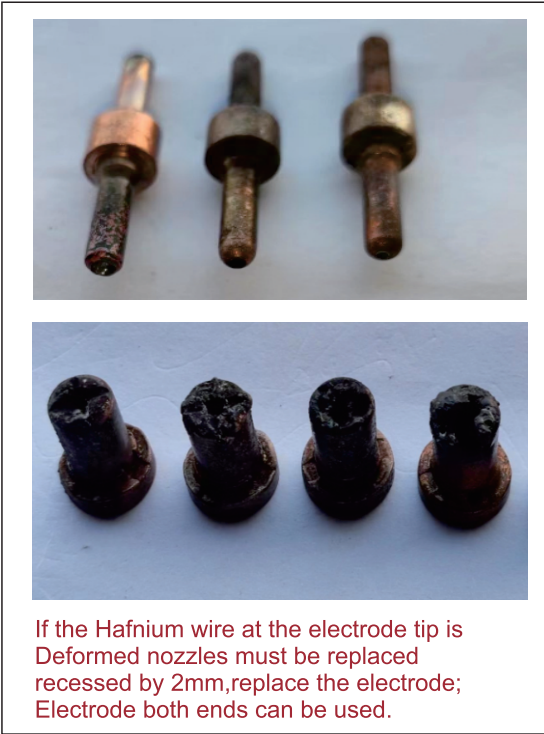
- 1.Pause the torch momentarily when reaching the end of the workpiece,waiting for the cutting arc to become as vertical as possible and the edge of the workpiece to turn red before slowly moving the torch forward to complete the cut.
- 2.If there's a spark spray back, pause cutting immediately to avoid damaging the torch parts.
- 3.It's normal for beginners to experience spark spray back,so prepare extra parts and practice more.



10、Cutting Guide

3.Pay attention to timely replacement of vulnerable parts.

① Fitting

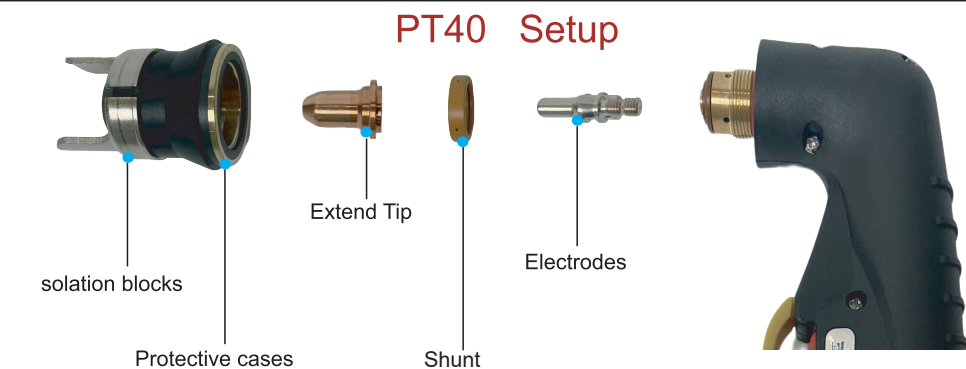
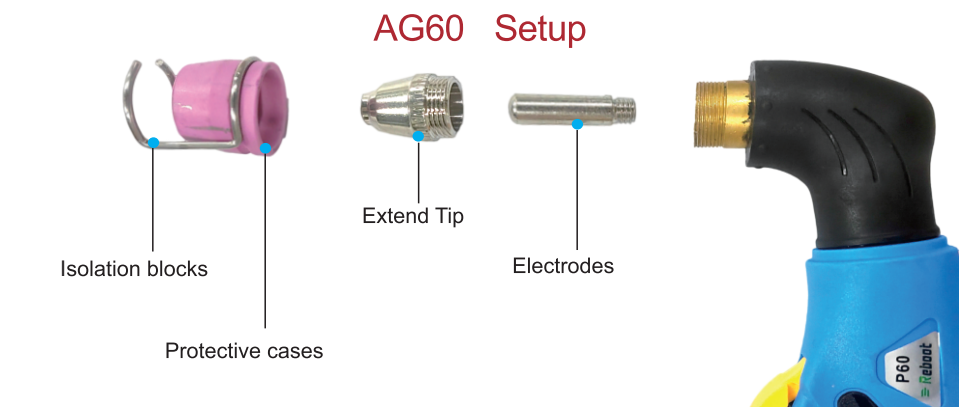
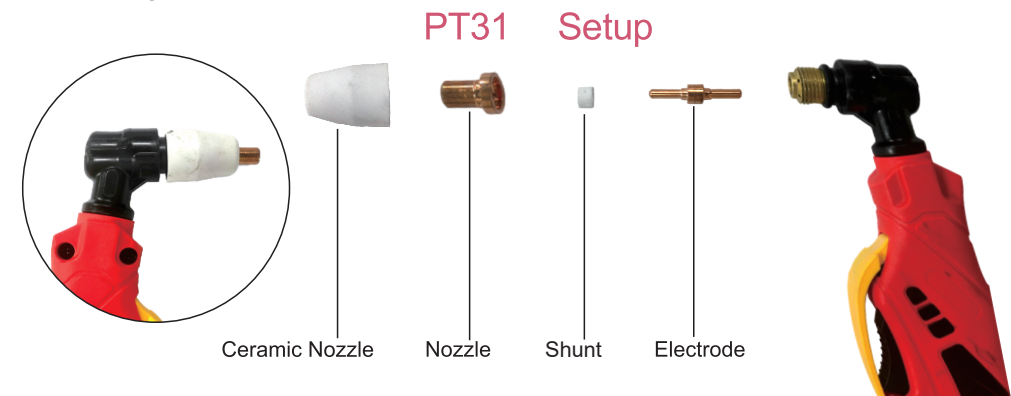


Scan to buy consumables on shops

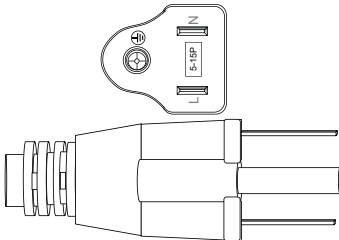
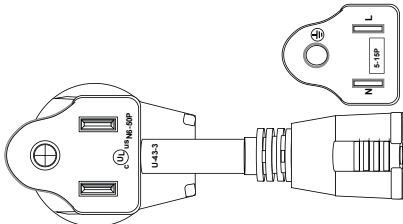



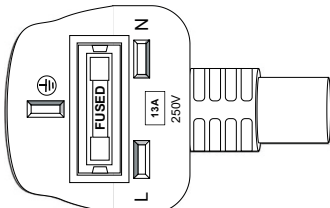
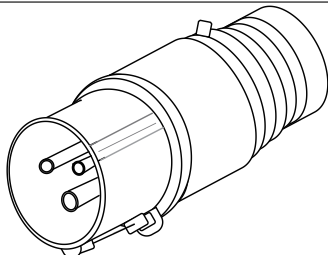
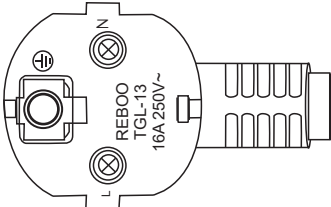


10、Cutting Guide

② cutting torch setup



11、Plug Type

America Plug	US Conversion Line
	Compatible with 120V/240V NEMA plugs 
British Plug	
Important Safety Notice	
 WARNING: Electrical Hazard Risk 	
To ensure safe operation of your equipment:	
<ol style="list-style-type: none">1. REPLACE the existing 13A UK plug with a 16A UK plug before connecting the device. The 13A plug is NOT SUITABLE for high-power loads and may overheat, causing fire or equipment damage.2. VERIFY that your home's circuit breaker for the outlet is rated for 30A or higher. A	
lower-rated breaker may trip frequently or fail to protect against electrical faults, risking fire or electric shock.	
DO NOT USE THE DEVICE until both requirements are met. Failure to comply may void	
 warranties and pose severe safety hazards.	
If unsure, consult a qualified electrician to confirm compatibility with your electrical system.	
Safety First! Neglecting these steps may result in injury, damage, or legal non-compliance.	
13A	16A
	
EuropearPlug	
	



Just weld and cut

Advanced welding and cutting technology
leading the industry trend.