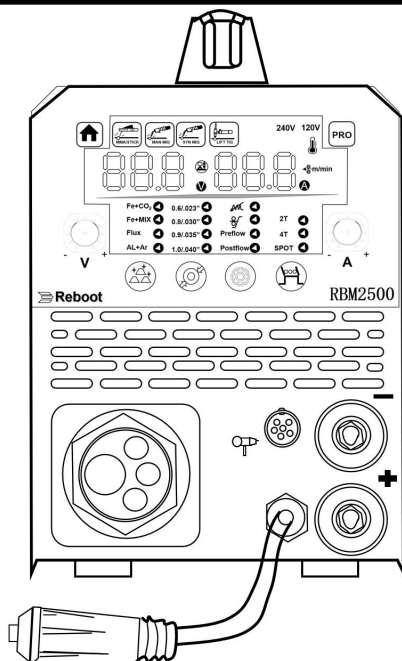
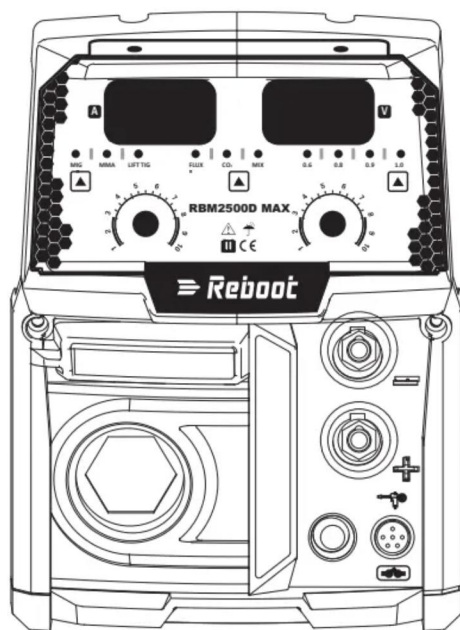




MULTILINGUAL USER MANUAL



RBM1450

RBM2100(MAX)

RBM2000(D)

RBM2500(D)

RBM1600

RBM2500D PRO

RBM1650

RBM2500 MAX

Contents

English	4
1、 Product Brief Introduction	5
2、 Package Contents	8
3、 Control Panel	11
4、 Changing Polarity	13
5、 Operation Interface	14
6、 Spool gun Operation Interface	16
7. Professional & Concise Manual	17
Deutsch	19
1. Produktübersicht	20
2. Lieferumfang	21
3. Bedienfeld	24
4. Polungswechsel	27
5. Bedienoberfläche	27
6. Spulenpistolen-Bedienoberfläche	30
7. Professionelles & Präzises Handbuch	31
français	33
1. Présentation du Produit	34
2. Contenu de l'Emballage	35
3. Panneau de Contrôle	38
4. Changement de Polarité	41
5. Interface d'Opération	42
6. Interface de la Torche à Dérouleur	44
7. Manuel Professionnel et Concis	45
español	47
1. Presentación del Producto	48
2. Contenido del Paquete	50
3. Panel de Control	53
4. Cambio de Polaridad	55
5. Interfaz de Operación	56
6. Interfaz de Operación de la Pistola de Carrete	58
7. Manual Profesional y Conciso	59
italiano	62

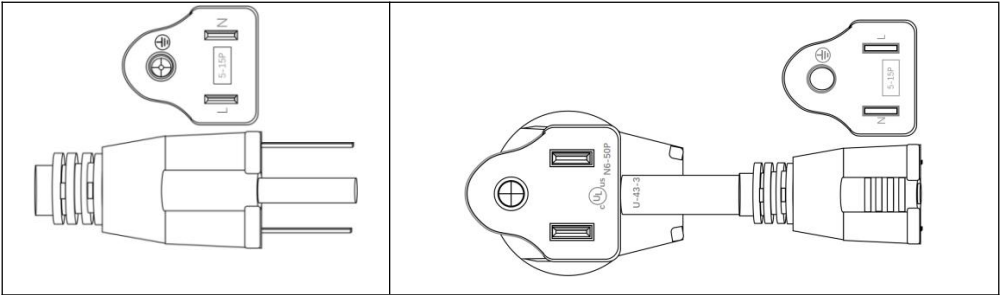
1. Presentazione del Prodotto	63
2. Contenuto della Confezione	64
3. Pannello di Controllo	67
4. Cambio di Polarità	70
5. Interfaccia Operativa	70
6. Interfaccia della Pistola con Bobina	73
7. Manuale Professionale e Conciso	74

English

	Every unit and its accessories undergo comprehensive functional testing and parameter calibration prior to leaving the factory. Minor marks from testing may be present on the equipment, which is normal.		
1			
2	Welding machines are high-power devices. If your circuit breaker has insufficient capacity, it may trip frequently. Please check whether other high-power appliances are operating on the same circuit, or reduce the output power of the equipment accordingly.		
3	Should you encounter any issues during operation, please do not hesitate to contact our service team. We are confident in providing you with a prompt and professional solution.		
4	For optimal performance, the use of genuine original accessories is highly recommended.		
			
VIP -WELDER SERVICE CENTER			
	Europe and UK	service-eu@mirthtek.com	
	North America	service@mirthtek.com	
	Sourth America and Others	nancy@weldvip-service.com	
	+86 18938887689		+86 18938887689
	Reboot Welding Solutions		+86 18923725124
	weldflowhub		https://www.rebootec.com

1、Product Brief Introduction

Technical Parameters									
		RBM145	RBM1650/2100		RBM2000	RBM2100	RBM2500	RBM2500	
		0		RBM1600	(D)	MAX	MAX	(D) (PRO)	
		5.9	6.7		6.1	7.7	8.6	10.5	
		365*240*235	336*330*292		370*260*240	455*195*320	460*195*310	480*320*330	
	120V	40A	40A		40A	-	50A	40A	
	240V	30A	30A		30A	40A	40A	40A	
Circuit Breaker(A)									
	1	MIG	30-145	20-160/210	-	32-150	-	50-150	30-182
	2	MMA	20-145	20-150/200				20-130	
	0	TIG	18-145	20-150/200				20-130	
	2	MIG	30-145	-	20-165	32-200	50-210	50-250	30-250
	4	MMA	20-145		20-145		20-190	20-230	
	0	TIG	18-145		20-145		20-190	20-230	
Current Range(A)									
	120	72	64	-	65	-	70	67	
	240	60	-	64	60	72	72	65	
No load voltage-V									
	America Plug		AC120V 50-60Hz						
			AC120V 50-60Hz/AC240V 50-60Hz						
European Plug			AC240V 50-60Hz						
British Plug									
	2~15(m/s)			60%			F		
Wire feed speed(m / min)			Duty cycle (%)			Insulation grade			
	0.7			85			IP21		
Power factor			Efficiency (%)			Protection Class			
America Plug				US Conversion Line					
				Compatible with 120V/240V NEMA plugs					



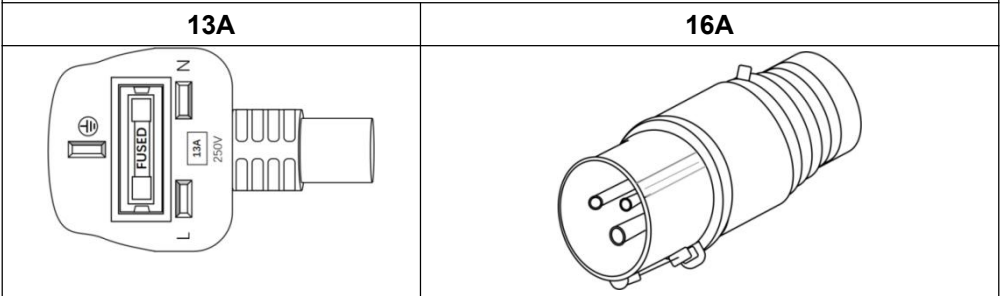
Important Safety Notice

WARNING: Electrical Hazard Risk

To ensure safe operation of your equipment:

- 1 When operating at maximum current, a circuit breaker with an insufficient current rating may trip. Please confirm that your circuit breaker is rated for 30 amps or higher.
- 2 Exercise caution when using the device until both of the above requirements are met. Safety first! If you are unsure, consult a qualified electrician to confirm the compatibility of the device with your electrical system.

**British Plug: 16A Adapter
replacement required for the included 13A plug**



Important Safety Notice

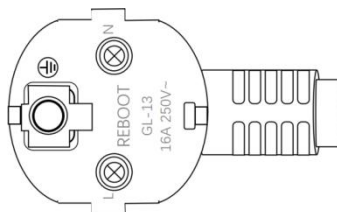
WARNING: Electrical Hazard Risk

To ensure safe operation of your equipment:

- 1 The welder is a high-power device. Using it at maximum current may cause the 13A plug fuse to blow. It is recommended to replace the existing 13A UK plug with a 16A UK plug.
 - 2 When operating at maximum current, a circuit breaker with an insufficient current rating may trip. Please confirm that your circuit breaker is rated for 30 amps or higher.
- Exercise caution when using the device until both of the above requirements

- | | |
|---|---|
| 3 | are met. Safety first! If you are unsure, consult a qualified electrician to confirm the compatibility of the device with your electrical system. |
|---|---|

European Plug



Important Safety Notice



WARNING: Electrical Hazard Risk

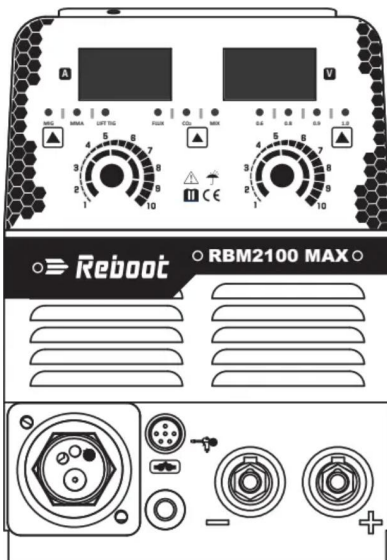


To ensure safe operation of your equipment:

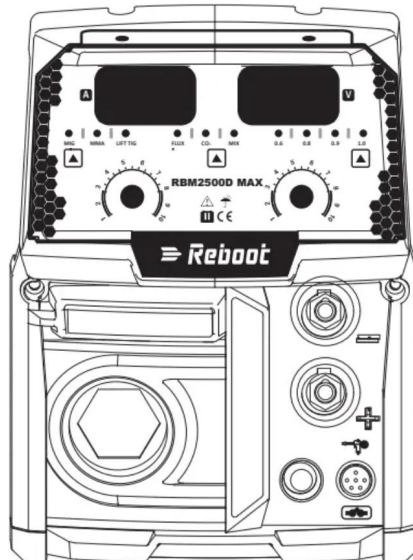
- | | |
|---|---|
| 1 | When operating at maximum current, a circuit breaker with an insufficient current rating may trip. Please confirm that your circuit breaker is rated for 30 amps or higher. |
| 2 | Exercise caution when using the device until both of the above requirements are met. Safety first! If you are unsure, consult a qualified electrician to confirm the compatibility of the device with your electrical system. |

2、Package Contents

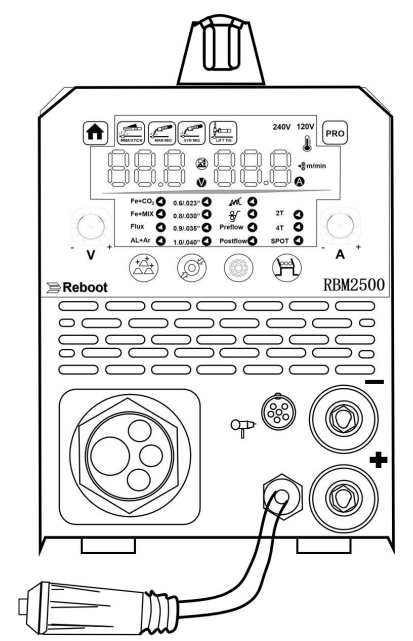
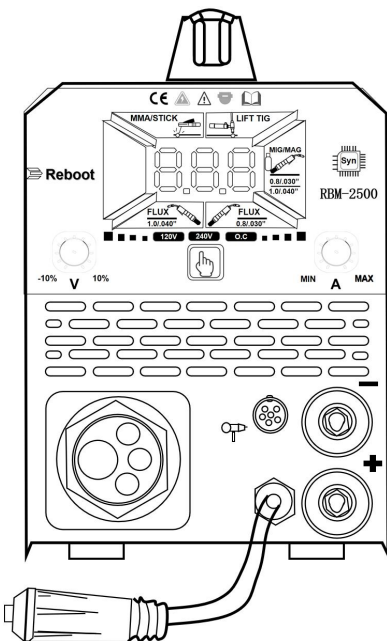
Machine	RBM1450	RBM2000(D)
	RBM1600	RBM1650/RBM2100
	RBM2100 MAX	RBM2500 MAX



RBM2500(D)



RBM2500(D) PRO



14AK

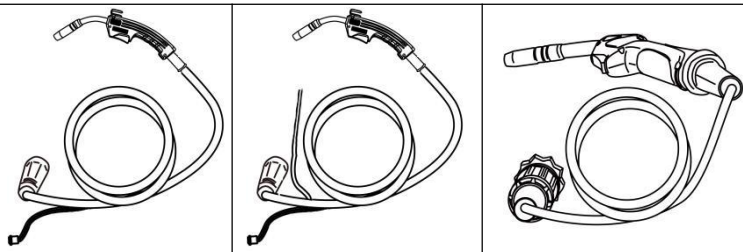
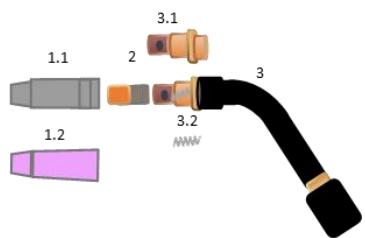
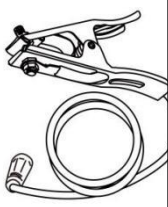
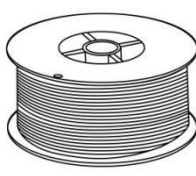
RBM1450/1600

14AK

**RBM1650/2000/2
100**

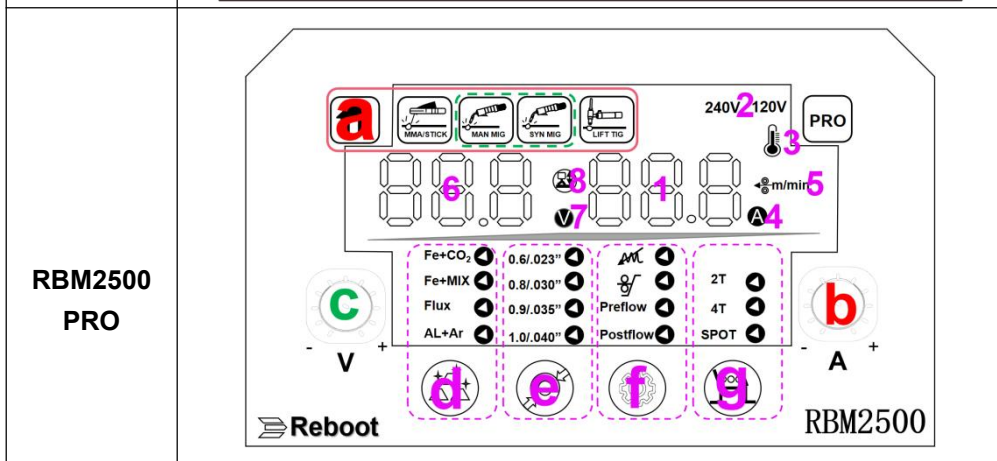
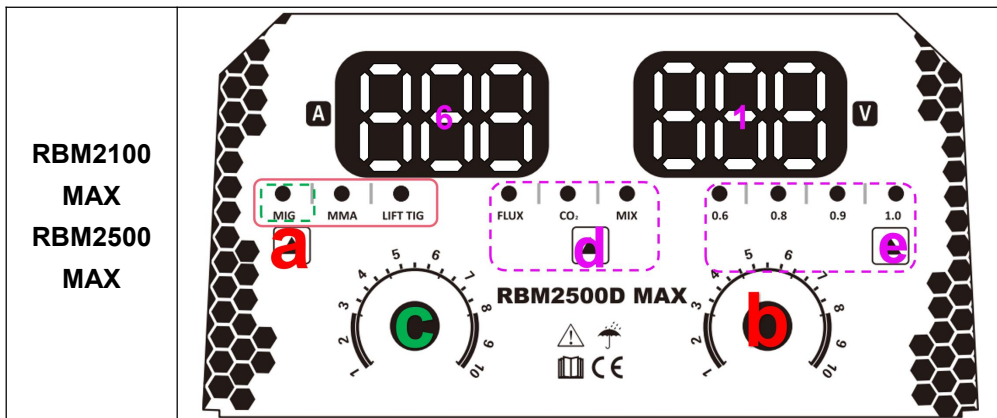
15AK

**RBM2100 MAX
2500(D)(PRO)(MAX)**

MIG Torch				
	Replacement Parts			
	1.1: Gas nozzle ϕ 12mm 14AK,15AK			
	1.2: Ceramic nozzle ϕ 12mm 14AK,15AK			
	2: Contact tip ϕ 0.6,0.8,0.9,1.0mm/M6*25			
	3: Torch head			
	3.1: Gas diffuser 15AK			
	3.2: Nozzle spring 15AK			
Others	RBM1650/2000(D)/RBM2100 MAX/RBM2500(D) (PRO)(MAX)			
	RBM1450/1600			Gas Hose
	Work Clamp	Electrode Holder	Flux Cored Wire	
				
				

3、Control Panel

RBM1450	The RBM1450 control panel features a central digital display showing '220V 110V' and '4'. It includes a 'MMA LIFT TIG' selector on the left, a 'FLUX 0.8' and 'FLUX 1.0' selector on the right, and an 'Inverter' icon. Below the display are three buttons: a green 'C' button labeled '-3 V +3', a red 'a' button labeled 'Mode', and a red 'b' button labeled 'MIN A/Wire Speed MAX'. A 'Reboot' button is at the bottom right.
RBM1600 RBM1650 RBM2100	The RBM1600 control panel has a central digital display showing '0.01'. It includes a 'MMA LIFT TIG' selector on the left, a 'FLUX' selector on the right, and a 'Reboot' button at the bottom. The display is surrounded by a blue dashed box on the left, a green dashed box in the center, and a red dashed box on the right.
RBM2000 RBM2500	The RBM2000 control panel features a central digital display showing '4'. It includes a 'MMA/STICK' and 'LIFT TIG' selector on the left, a 'MIG/MAG' selector on the right, and a 'Reboot' button at the bottom left. The display is surrounded by a red dashed box on the left, a green dashed box in the center, and a red dashed box on the right. Below the display are three buttons: a green 'C' button labeled '-10% V 10%', a red 'a' button labeled 'Mode', and a red 'b' button labeled 'MIN A MAX'. A 'Reboot' button is at the bottom right.

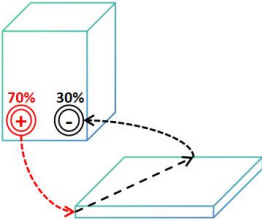
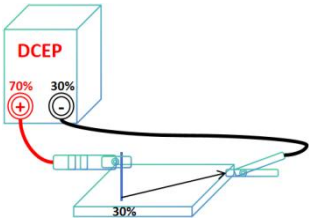
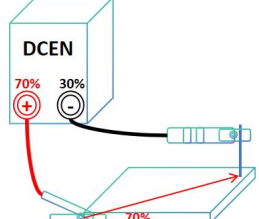
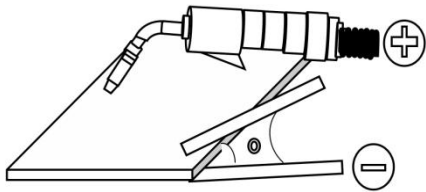
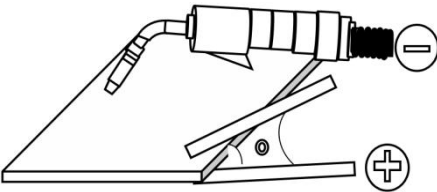


a		Mode Switching			
RBM1450	RBM160 0	RBM2100RBM16 50	RBM2100 MAX RBM2500 MAX	RBM2000/2500	RBM2500 PRO
LIFT TIG	MMA	MIG	MIG	MMA/STICK	MMA/STICK
MMA	LIFT TIG	MMA	MMA	LIFT TIG	K
Flux	FLUX	LIFT TIG	LIFT TIG	MIG/MAG	MAN MIG
0.8mm		FLUX		0.8/.030"	SYN MIG
Flux				MIG/MAG	LIFT TIG
1.0mm				1.0/.040"	
				FLUX 0.8/.030"	
				FLUX 1.0/.040"	
b	Current Control		Welding Current Adjustment for All Mode		
c	Voltage Control		Fine Adjustment for MIG Mode		
			Fe + CO ₂		
			Fe + MIX		

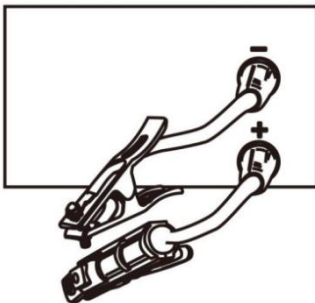
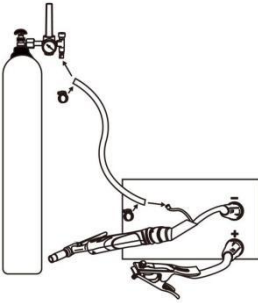
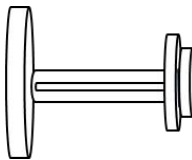
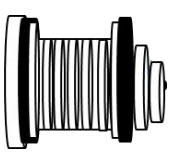
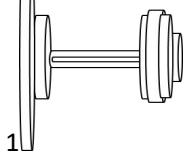
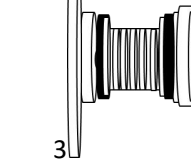
d	Material Selection	Flux (No Gas)
		AL + AR (100%)
e	WIRE ϕ	.023"(0.6mm)
		.030"(0.8mm)
		.035"(0.9mm)
		.040"(1.0mm)
f	Setup	Inductance Adjustment (-10~10)
		Slow Wire Feeding (0~10)
		Pre-flow (0.0~2.0)
		Post-flow (0.0~2.0)
g	Control Status	2T
		4T
		SPOT (0.0~3.0)
1	Ammeter	Display welder's output current
2	AC Input Voltage	Show machine input voltage 120
		Show machine input voltage 240
3	Warning Light	Machine Error
4	Current Indicator	"1" Current Value Displayed
5	WFS Indicator	"1" WFS Value Displayed
6	Voltmeter	Display welder's output voltage
7	Voltage Indicator	"6" Voltage Value Displayed
8	Voltage Adjustment	Flashing when adjusting voltage

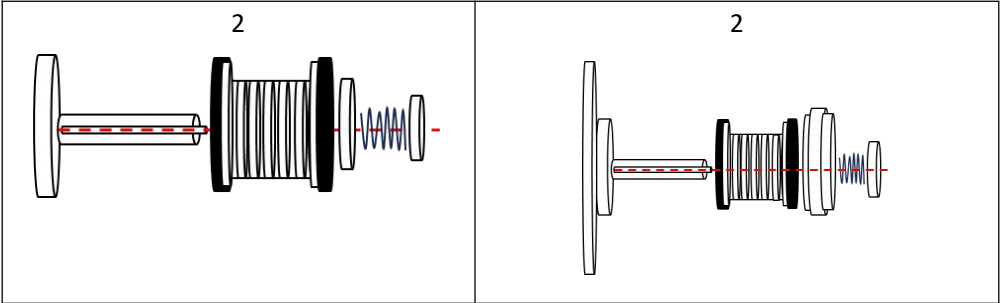
4、Changing Polarity

In inverter welding, the output current flows from the positive electrode, through the workpiece, to the negative electrode. The positive pole possesses greater energy. Consequently, with DCEP (Direct Current Electrode Positive), the heat is concentrated on the electrode/gun side. With DCEN (Direct Current Electrode Negative), the heat is concentrated on the workpiece side.

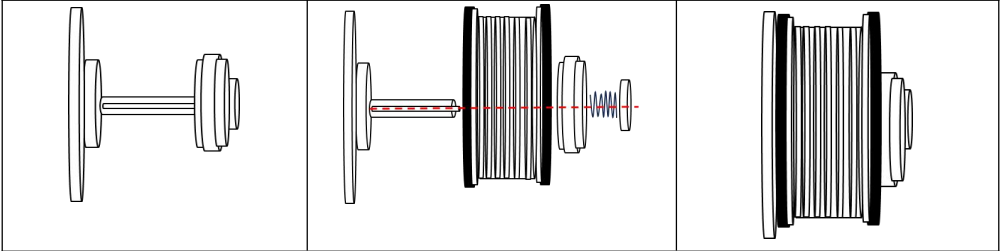
		
DCEP	DCEN	
Direct Current Electrode Positive	Direct Current Electrode Negative	
		
MMA/MIG Gas	Tig/Lift Tig/Cut/MIG Gasless	

5、 Operation Interface

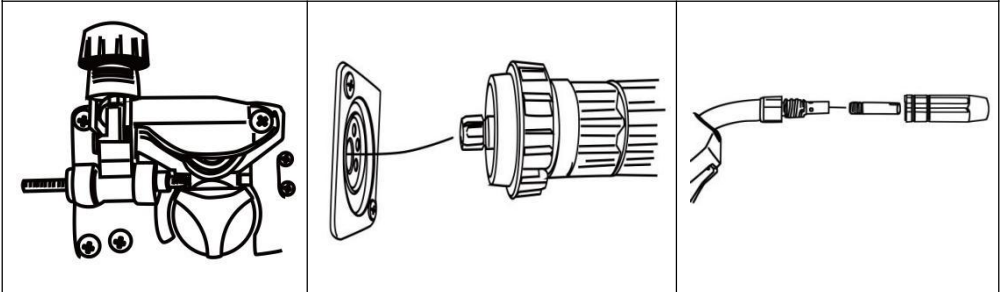
MMA/STICK/ARC (DCEP)		LIFT TIG (DCEN)	
			
Welding Wire Install			
2bls for RBM1450/1600/1650/2000/2100		2bls for RBM2100 MAX/RBM2500(D)(PRO)(MAX)	
1 	3 	1 	3 



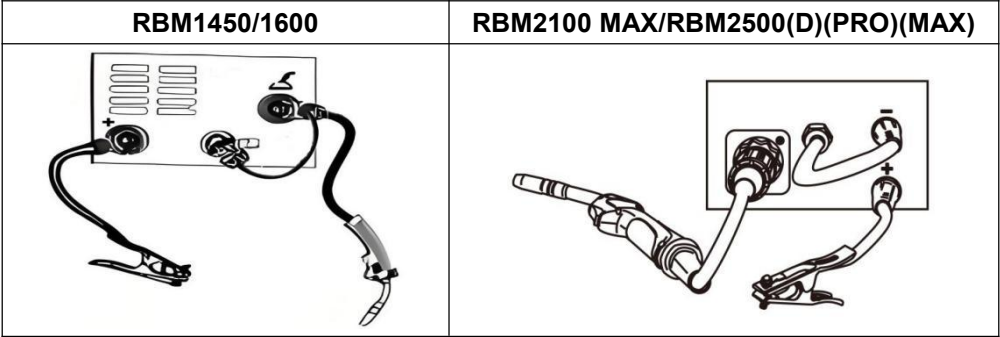
10bls for RBM2100 MAX/RBM2500(D)(PRO)(MAX)



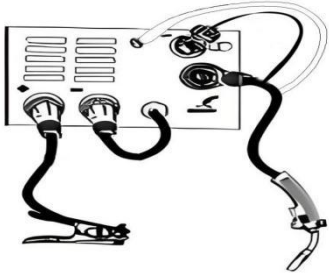
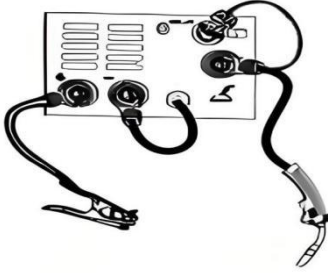
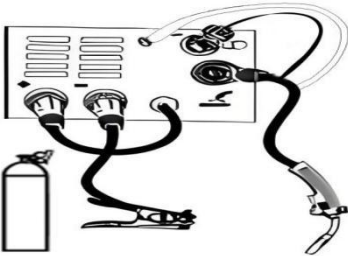
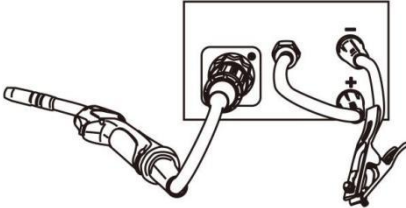
Wire Feeder to Torch Interface



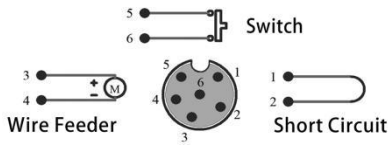
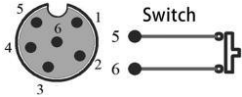
FCAW/Self-Shielded Flux-Cored (DCEN)

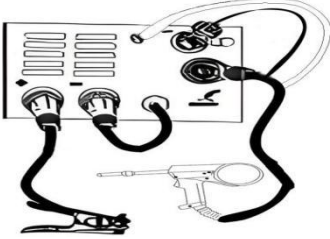
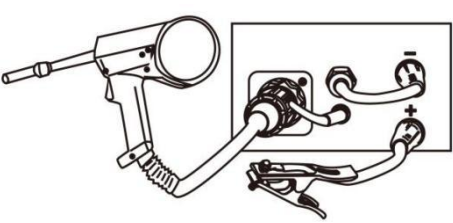
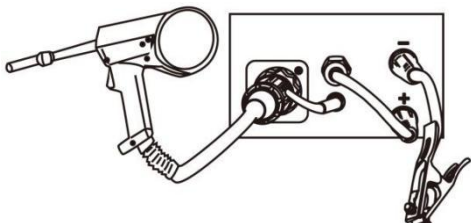


RBM1650/2000/2100

	
MIG/MAG/GMAW (DCEP)	
RBM1650/2000/2100	RBM2100 MAX/RBM2500(D)(PRO)(MAX)
	

6、Spool gun Operation Interface

Switch Wiring Configuration		
6 Pin Aviation Plug	Spool gun for All	MIG Torch for RBM2000
	 Wire Feeder Switch Short Circuit	 Switch
Drive Roller		
U Groove Drive Rolls for AL	V Groove Drive Rolls for GMAW	Knurled Drive Rolls for FCAW
Spool Gun		
FCAW/Self-Shielded Flux-Cored (DCEN)		
RBM2000	RBM2100 MAX/RBM2500(D)(PRO)(MAX)	

	
MIG/MAG/GMAW (DCEP)	
RBM2000	RBM2100 MAX/RBM2500(D)(PRO)(MAX)
	

7. Professional & Concise Manual

MAINTENANCE, TROUBLESHOOTING & FAULT ANALYSIS	
1	Preventive Maintenance
1.1	Regular Inspection: Periodically inspect all internal wiring connections for secure contact and correct routing. Check for corrosion or looseness, especially on plug-in connectors. Clean corrosion with sandpaper, reconnect, and secure fasteners.
1.2	Cleaning: Use clean, dry compressed air at moderate pressure to remove dust buildup. If used in smoky or polluted environments, clean the interior daily.
1.3	Moisture Protection: Prevent water or moisture ingress. If occurs, dry the unit thoroughly. Verify insulation integrity with a megohmmeter before reactivation.
1.4	Cable Inspection: Regularly check all cables for insulation damage. Repair with tape or replace immediately.

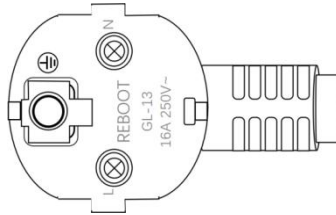
1.5	Storage: For extended inactivity, repackage and store in a dry environment.	
	CAUTION:ALL MAINTENANCE MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN WITH THE MACHINE DISCONNECTED FROM THE POWER SUPPLY.	
2	Troubleshooting Guide	
Symptom	Possible Cause	Corrective Action
No Power	Power switch OFF; No supply voltage.	1. Verify power switch is ON.
		2. Confirm mains supply voltage is present.
Unstable Arc / Fluctuating Current	Poor quality/oxidized consumables;Loose connections.	1. Use quality consumables; clean rust.
		2. Check and secure all connections (plugs, terminals).
No Output (Display Fan OK)	1. Internal connection fault.	1. Check internal plug-in wires.
	2. Output circuit open.	2. Inspect output cable connections.
	3. Thermal protection active.	3. Allow unit to cool; check thermal switch.
Excessive Spatter	Incorrect polarity.	Reverse the output polarity (electrode holder vs. work clamp).
Overheating Torch	Torch rated below operating current.	Replace with a higher-rated torch.
3	Welding Issue Diagnostics & Resolution	
Phenomena may relate to accessories, gas, environment, or power supply.		
Issue: Difficulty starting arc / Arc instability.		
Cause: Oxidized consumables; Grid voltage fluctuation; Severe EMI.		
Action: Improve consumable quality/storage; Check power source stability.		
For SMAW: Try reversing the polarity of the electrode holder and work clamp.		
WARNING: IF THE PROBLEM PERSISTS, CONTACT YOUR SUPPLIER OR FUERMU CUSTOMER SERVICE. DO NOT ATTEMPT INTERNAL REPAIRS WITHOUT PROPER QUALIFICATION.		
This document is subject to change without notice due to continuous product improvement.		

Deutsch

	1. Jede Einheit und ihr Zubehör werden vor dem Verlassen des Werks umfassenden Funktionstests und Parameterkalibrierungen unterzogen. Geringfügige Testspuren am Gerät sind normal.		
	2. Schweißgeräte sind Hochleistungsgeräte. Wenn Ihr Leistungsschalter eine unzureichende Kapazität hat, kann er häufig auslösen. Bitte prüfen Sie, ob andere Hochleistungsgeräte im selben Stromkreis laufen, oder reduzieren Sie entsprechend die Ausgangsleistung des Geräts.		
	3. Sollten Sie während des Betriebs auf Probleme stoßen, zögern Sie bitte nicht, unseren Kundendienst zu kontaktieren. Wir sind zuversichtlich, Ihnen eine prompte und professionelle Lösung anbieten zu können.		
	4. Für eine optimale Leistung wird die Verwendung von originalen, authentischen Zubehörteilen dringend empfohlen.		
 VIP - SERVICEZENTRUM FÜR SCHWEISSGERÄTE			
	Europa und Großbritannien	service-eu@mirthtek.com	
	Nordamerika	service@mirthtek.com	
	Südamerika und Sonstige	nancy@weldvip-service.com	
	+86 18938887689		+86 18938887689
	Reboot Welding Solutions		+86 18923725124
	weldflowhub		https://www.rebootec.com

1. Produktübersicht

Technische Parameter									
		RBM1450	RBM1650/2100		RBM2000	RBM2100	RBM2500	RBM2500	
			RBM1600		(D)	MAX	MAX	(D) (PRO)	
		5.9	6.7		6.1	7.7	8.6	10.5	
		365*24 0*235	336*330*292		370*26 0*240	455*19 5*320	460*19 5*310	480*320 *330	
	120V	40A	40A		40A	-	50A	40A	
	240V	30A	30A		30A	40A	40A	40A	
Leistungsschutzschalter									
	1	MIG	30-145	20-160/210	-	32-150	-	50-150	30-182
	2	MMA	20-145	20-150/200				20-130	
	0	TIG	18-145	20-150/200				20-130	
	2	MIG	30-145	-	20-165	32-200	50-210	50-250	30-250
	4	MMA	20-145		20-145		20-190	20-230	
	0	TIG	18-145		20-145		20-190	20-230	
Strombereich (A)									
	120V	72	64	-	65	-	70	67	
	240V	60	-	64	60	72	72	65	
Leerlaufspannung (V)									
	Amerikanische Stecker		AC120V 50-60Hz						
			AC120V 50-60Hz/AC240V 50-60Hz						
Europäische Stecker			AC240V 50-60Hz						
Britische Stecker									
		2~15				60%			
Drahtvorschub (m/min)				Einschaltdauer (%)			Isolationsklasse		
	0.7					85			
Leistungsfaktor				Wirkungsgrad (%)			Schutzart (IP)		
Europäischer Stecker									



Wichtiger Sicherheitshinweis



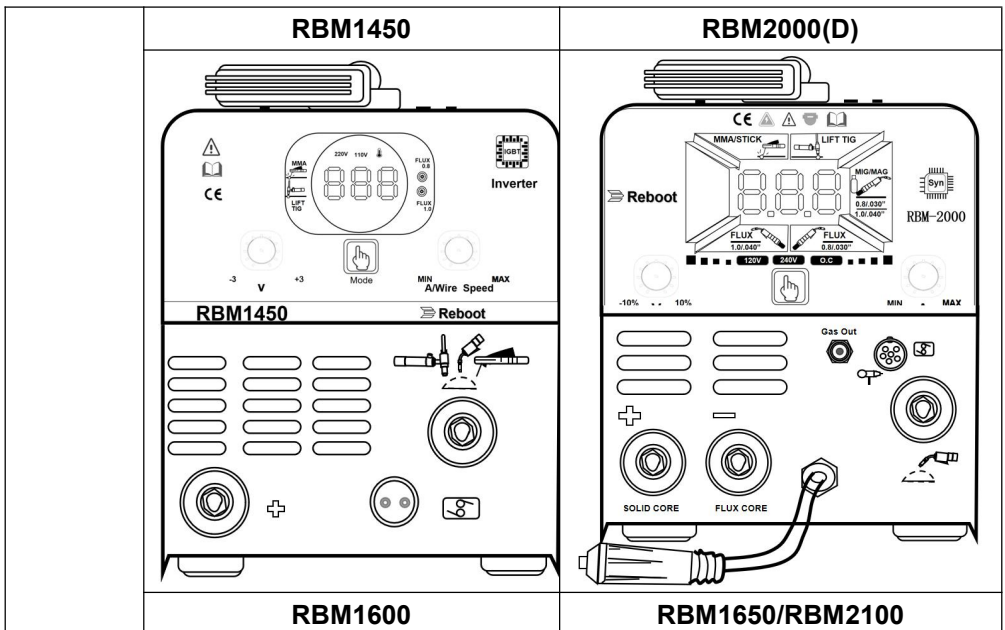
WARNUNG: Risiko eines Elektrounfalls



Um den sicheren Betrieb Ihrer Ausrüstung zu gewährleisten:

- 1 Beim Betrieb mit maximalem Strom kann ein Leistungsschutzschalter mit unzureichender Strombelastbarkeit auslösen. Bitte bestätigen Sie, dass Ihr Leistungsschutzschalter für 30 Ampere oder höher ausgelegt ist.
- 2 Seien Sie vorsichtig bei der Verwendung des Geräts, bis beide oben genannten Anforderungen erfüllt sind. Sicherheit geht vor! Wenn Sie unsicher sind, ziehen Sie einen qualifizierten Elektriker hinzu, um die Kompatibilität des Geräts mit Ihrem Elektrosystem zu bestätigen.

2. Lieferumfang

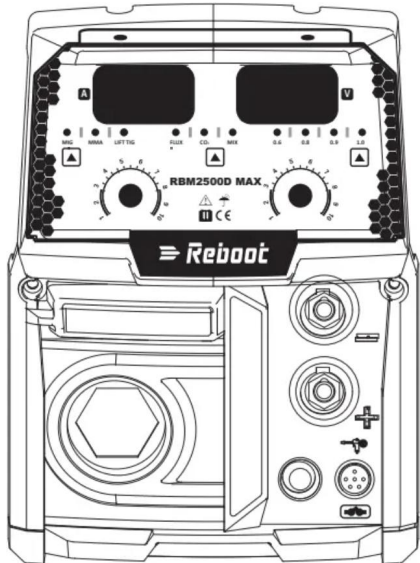
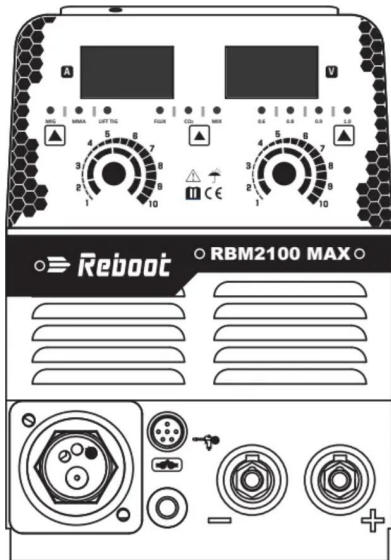


Gerät



RBM2100 MAX

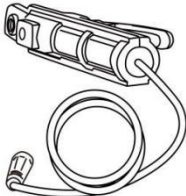
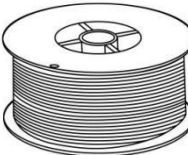
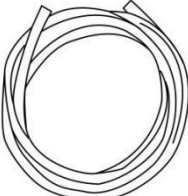
RBM2500 MAX



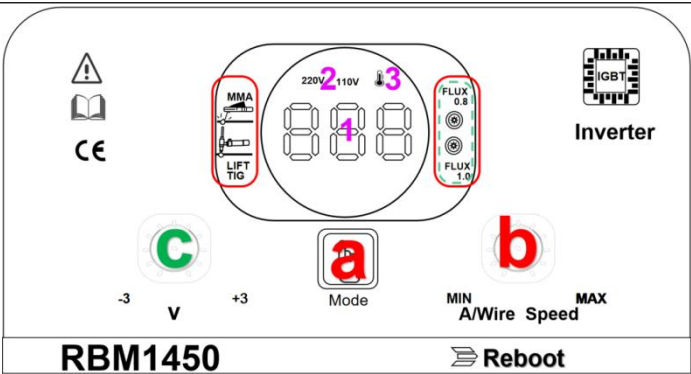
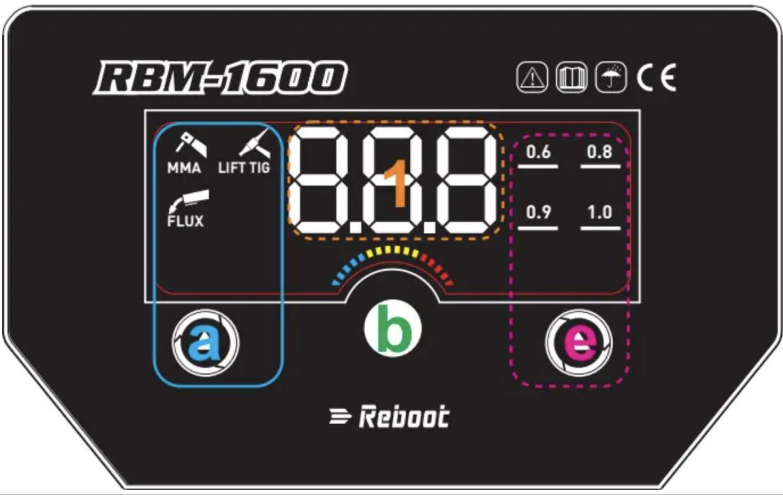
RBM2500(D)

RBM2500(D) PRO

MIG-Brenner	14AK	14AK	15AK
	RBM1450/1600	RBM1650/2000/2100	RBM2100 MAX 2500(D)(PRO)(MAX)
	Ersatzteile		
	1.1:Gasdüse $\varnothing$ 12mm 14AK,15AK		
	1.2:Keramikdüse $\varnothing$ 12mm 14AK,15AK		
	2:Kontaktdüse $\varnothing$ 0.6,0.8,0.9,1.0mm/M6*25		
3:Brennerkopf			
3.1:Gasdiffusor 15AK			
3.2:Düsenfeder 15AK			
RBM1650/2000(D)/RBM2100 MAX/RBM2500(D) (PRO)(MAX)			

Zubehör	RBM1450/1600			Gasschlauch
	Masseklemme	Elektrodenhalter	Fülldraht	
				

3. Bedienfeld

RBM1450	
RBM1600 RBM1650 RBM2100	

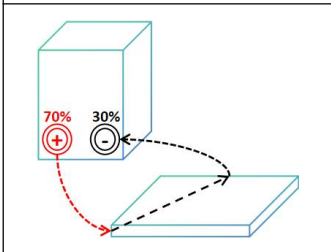
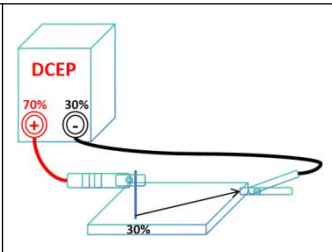
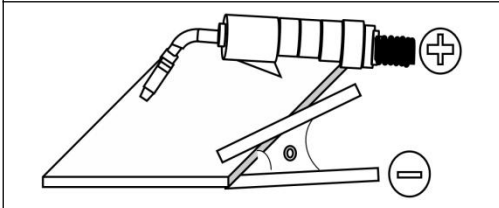
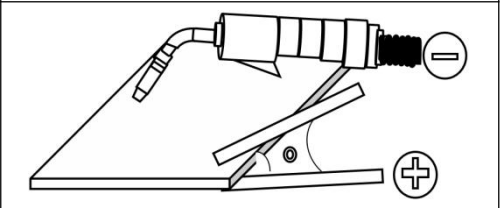
LIFT TIG MMA Flux 0.8mm Flux 1.0mm	MMA LIFT TIG FLUX	MIG MMA LIFT TIG FLUX	MIG MMA LIFT TIG	MMA/STICK LIFT TIG MIG/MAG 0.8/.030" MIG/MAG 1.0/.040" FLUX 0.8/.030" FLUX 1.0/.040"	MMA/STICK MAN MIG SYN MIG LIFT TIG
b	Stromregelung		Schweißstrom-Einstellung für alle Modi		
c	Spannungsregelung		Feineinstellung für MIG-Modus		
d	Materialauswahl		Fe + CO ₂		
			Fe + MIX		
			Flux (No Gas)		
			AL + AR (100%)		
e	DRAHT-φ		.023"(0.6mm)		
			.030"(0.8mm)		
			.035"(0.9mm)		
			.040"(1.0mm)		
f	Einstellung		Induktivitäts-Einst. (-10~10)		
			Langsamer Drahtvorsch. (0~10)		
			Vorströmzeit (0.0~2.0)		
			Nachströmzeit (0.0~2.0)		
g	Betriebsstatus		2T		
			4T		
			SPOT (0.0~3.0)		
1	Amperemeter		Zeigt den Ausgangsstrom an		
2	Eingangsspannung		Zeigt die Eingangsspannung (120V)		
			Zeigt die Eingangsspannung (240V)		
3	Warnleuchte		Gerätefehler		
4	Stromanzeige		Zeigt den Stromwert "1" an		
5	DVA-Anzeige		Zeigt den DVA-Wert "1" an		
6	Voltmeter		Zeigt die Ausgangsspannung an		
7	Spannungsanzeige		Zeigt den Spannungswert "6" an		
8	Spannungseinstellung		Leuchtet bei Einstellung		

4. Polungswechsel

Beim Inverter-Schweißen fließt der Ausgangsstrom von der positiven Elektrode, durch das Werkstück, zur negativen Elektrode. Der positive Pol weist eine höhere Energiedichte auf. Folglich:

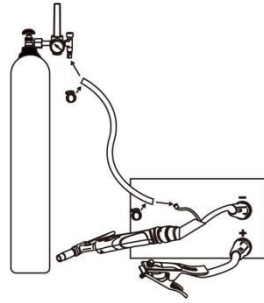
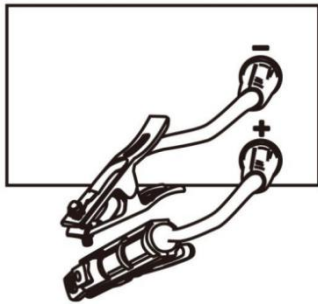
Bei GLEICHSTROM ELEKTRODE PLUS konzentriert sich die Wärme auf die Elektroden-/Brennerseite.

Bei GLEICHSTROM ELEKTRODE MINUS konzentriert sich die Wärme auf die Werkstückseite.

			
GLEICHSTROM ELEKTRODE PLUS		GLEICHSTROM ELEKTRODE MINUS	
Gleichstrom Elektrode Positiv		Gleichstrom Elektrode Negativ	
			
MMA/MIG mit Gas		WIG/Lift WIG/Schneiden/MIG Gaslos	

5. Bedienoberfläche

MMA/STICK/LICHTBOGEN (GLEICHSTROM ELEKTRODE PLUS)	LIFT TIG (GLEICHSTROM ELEKTRODE MINUS)
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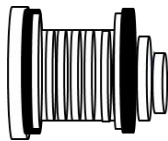
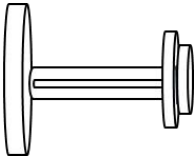
Schweißdraht-Einlegen

**2bls Spule für
RBM1450/1600/1650/2000/2100**

**2bls Spule für RBM2100 MAX
/RBM2500(D)(PRO)(MAX)**

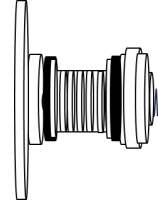
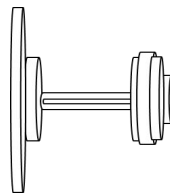
1

3

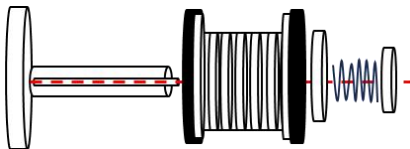


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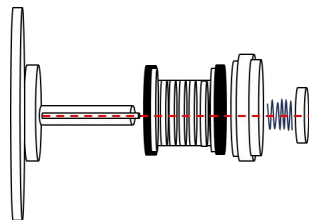
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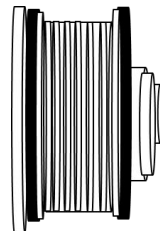
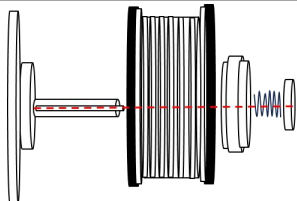
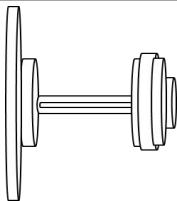
2



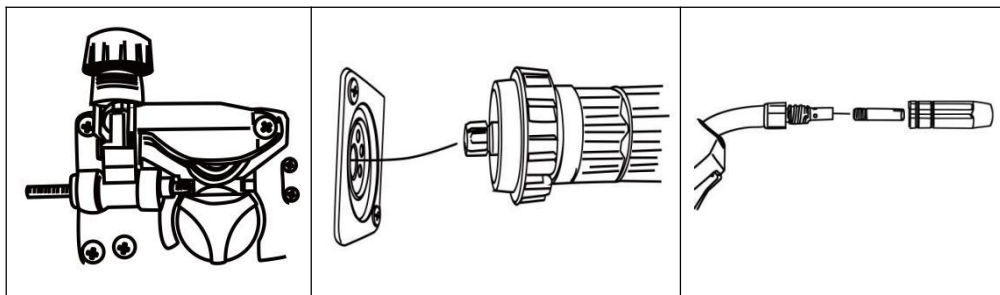
2



10bls Spule für RBM2100 MAX /RBM2500(D)(PRO)(MAX)



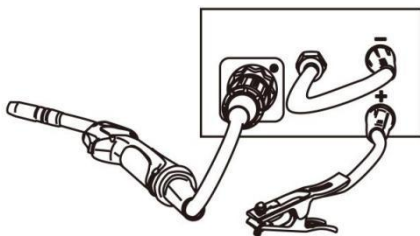
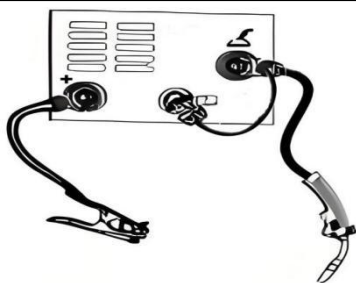
Brenneranschluss



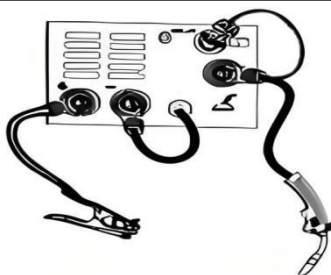
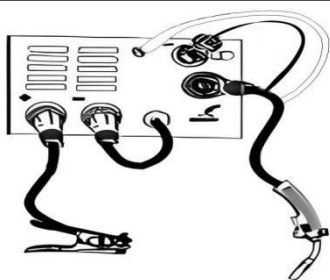
FCAW/Selbstschutz-Fülldraht (GLEICHSTROM ELEKTRODE MINUS)

RBM1450/1600

**RBM2100 MAX/
RBM2500(D)(PRO)(MAX)**



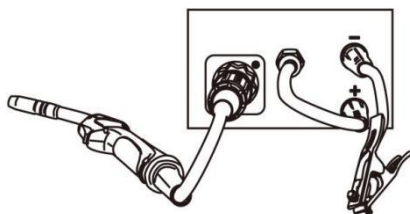
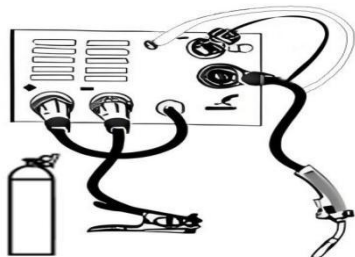
RBM1650/2000/2100 - FCAW (GLEICHSTROM ELEKTRODE MINUS)



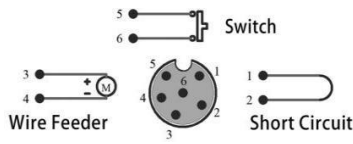
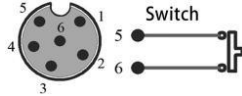
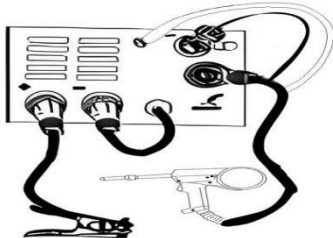
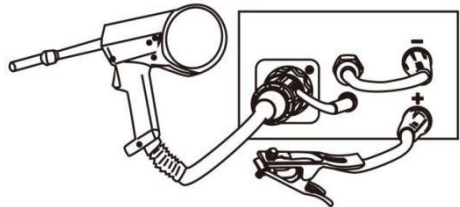
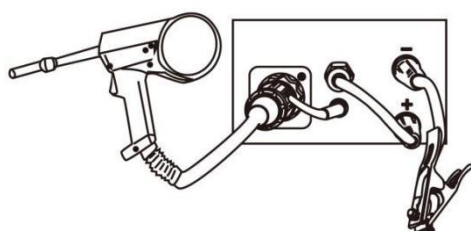
MIG/MAG/GMAW (GLEICHSTROM ELEKTRODE PLUS)

RBM1650/2000/2100

**RBM2100 MAX/
RBM2500(D)(PRO)(MAX)**



6. Spulenpistolen-Bedienoberfläche

Schalterverdrahtung			
6-Poliger Stecker	Spulenpistole Universal	MIG-Brenner	für RBM2000
			
Antriebsrollen			
U-Nut für Al	V-Nut für GMAW	Riffelung für FCAW	
Spulenpistole			
FCAW/Selbstschutz-Fülldraht (GLEICHSTROM ELEKTRODE MINUS) mit Spulenpistole			
RBM2000		RBM2100 MAX /RBM2500(D)(PRO)(MAX)	
			
MIG/MAG/GMAW (GLEICHSTROM ELEKTRODE PLUS) mit Spulenpistole			
RBM2000		RBM2100 MAX /RBM2500(D)(PRO)(MAX)	
			

7.Professionelles & Präzises Handbuch

WARTUNG, FEHLERSUCHE & STÖRUNGSANALYSE		
1	Vorbeugende Wartung	
1.1	Regelmäßige Inspektion: Überprüfen Sie regelmäßig alle internen Kabelverbindungen auf festen Sitz und korrekte Verlegung. Prüfen Sie insbesondere Steckverbinder auf Korrosion oder Lockerheit. Reinigen Sie Korrosion mit Schleifpapier, stecken Sie wieder ein und sichern Sie die Befestigungen.	
1.2	Reinigung: Verwenden Sie saubere, trockene Druckluft mit moderatem Druck, um Staubansammlungen zu entfernen. Bei Betrieb in rauchiger oder verschmutzter Umgebung das Innere täglich reinigen.	
1.3	Feuchtigkeitsschutz: Verhindern Sie das Eindringen von Wasser oder Feuchtigkeit. Falls dies geschieht, trocknen Sie das Gerät gründlich. Vor der Inbetriebnahme die Isolierung mit einem Isolationsmessgerät prüfen.	
1.4	Kabelprüfung: Überprüfen Sie regelmäßig alle Kabel auf Isolationsschäden. Reparieren Sie diese mit Isolierband oder tauschen Sie die Kabel sofort aus.	
1.5	Lagerung: Für längere Stillstandszeiten verpacken Sie das Gerät wieder und lagern es in einer trockenen Umgebung.	
	ACHTUNG:ALLE WARTUNGSARBEITEN MÜSSEN VON EINEM QUALIFIZIERTEN ELEKTRIKER BEI VOM STROMNETZ GETRENNTM GERÄT DURCHGEFÜHRT WERDEN.	
2	Fehlerbehebungsleitfaden	
Symptom	Mögliche Ursache	Korrekturmaßnahme
Kein Strom	Netzschalter AUS; Keine Versorgungsspannung.	1.Stellen Sie sicher, dass der Netzschalter EIN ist.
		2.Prüfen Sie, ob Netzspannung anliegt.
Instabiler Lichtbogen / Schwanken der Strom	Schlechte/oxidierte Verbrauchsmaterialien; Lockere Verbindungen.	1.Verwenden Sie hochwertige Verbrauchsmaterialien; entfernen Sie Rost.
		2. Überprüfen und sichern Sie alle Steck- und Klemmverbindungen.
Keine	1.Interne	1. Interne Steckverbindungen prüfen.

Ausgangsleistung (Lüfter/Display OK)	Verbindungsstörung.	
	2.Unterbrochener Ausgangskreis.	2.Ausgangskabelverbindungen prüfen.
	3.Thermische Abschaltung aktiv.	3. Gerät abkühlen lassen; Thermoschalter prüfen.
Übermäßige Spritzer	Falsche Polarität.	Ausgangspolarität umkehren (Elektrodenhalter vs. Masseklemme).
Überhitzter Brenner	Brenner für niedrigere Stromstärke als Betriebsstrom ausgelegt.	Durch einen Brenner mit höherer Strombelastbarkeit ersetzen.

3 Diagnose & Behebung von Schweißproblemen

Probleme können mit Zubehör, Gas, Umgebung oder Stromversorgung zusammenhängen.

Problem: Schwieriger Lichtbogenstart / Instabiler Lichtbogen.

Ursache: Oxidierte Verbrauchsmaterialien; Netzschwankungen; Starke elektromagnetische Störungen (EMV).

Maßnahme: Qualität/Lagerung der Verbrauchsmaterialien verbessern; Netzstabilität prüfen.

Für E-Hand-Schweißen (MMA): Polarität von Elektrodenhalter und Masseklemme vertauschen.

WARNUNG: WENN DAS PROBLEM BESIEHT, WENDEN SIE SICH AN IHREN HÄNDLER ODER DEN FUERMU KUNDENDIENST. VERSUCHEN SIE KEINE INTERNEN REPARATUREN OHNE ENTSPRECHENDE QUALIFIKATION.

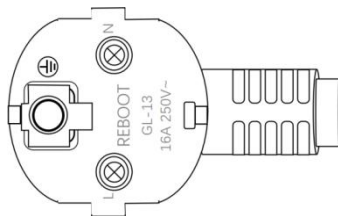
Dieses Dokument kann aufgrund kontinuierlicher Produktverbesserungen ohne vorherige Ankündigung geändert werden.

français

	1. Chaque unité et ses accessoires subissent des tests fonctionnels complets et un étalonnage des paramètres avant de quitter l'usine. De légères traces de test peuvent être présentes sur l'équipement, ce qui est normal.		
	2. Les soudeuses sont des appareils de haute puissance. Si votre disjoncteur a une capacité insuffisante, il peut déclencher fréquemment. Veuillez vérifier si d'autres appareils haute puissance fonctionnent sur le même circuit, ou réduisez la puissance de sortie de l'équipement en conséquence.		
	3. Si vous rencontrez des problèmes pendant l'utilisation, n'hésitez pas à contacter notre équipe de service. Nous sommes confiants dans notre capacité à vous fournir une solution rapide et professionnelle.		
	4. Pour des performances optimales, l'utilisation d'accessoires originaux authentiques est fortement recommandée.		
 VIP - CENTRE DE SERVICE POUR SOUDEUSES			
	Europe et Royaume-Uni	service-eu@mirthtek.com	
	Amérique du Nord	service@mirthtek.com	
	Amérique du Sud et Autres	nancy@weldvip-service.com	
	+86 18938887689		+86 18938887689
	Reboot Welding Solutions		+86 18923725124
	weldflowhub		https://www.rebootec.com

1. Présentation du Produit

Paramètres Techniques									
		RBM145	RBM1650/2100		RBM2000	RBM2100	RBM2500	RBM2500	
		0		RBM1600	(D)	MAX	MAX	(D) (PRO)	
		5.9	6.7		6.1	7.7	8.6	10.5	
		365*240*235	336*330*292		370*260*240	455*195*320	460*195*310	480*320*330	
	120V	40A	40A		40A	-	50A	40A	
	240V	30A	30A		30A	40A	40A	40A	
Disjoncteur (A)									
	1	MIG	30-145	20-160/210	-	32-150	-	50-150	30-182
	2	MMA	20-145	20-150/200				20-130	
	0	TIG	18-145	20-150/200				20-130	
	2	MIG	30-145	-	20-165	32-200	50-210	50-250	30-250
	4	MMA	20-145		20-145		20-190	20-230	
	0	TIG	18-145		20-145		20-190	20-230	
Plage de Courant (A)									
	120	72	64	-	65	-	70	67	
	240	60	-	64	60	72	72	65	
Tension à Vide									
	Fiche Américaine		AC120V 50-60Hz						
			AC120V 50-60Hz/AC240V 50-60Hz						
Fiche Européenne			AC240V 50-60Hz						
Fiche Britannique									
	2~15(m/s)			60%			F		
Vitesse Avance Fil			Cycle de Service			Classe d'Isolation			
	0.7			85			IP21		
Facteur de Puissance			Rendement (%)			Degré de Protection (IP)			
Fiche Européenne									



Avis de Sécurité Important



AVERTISSEMENT : Risque de Danger Électrique

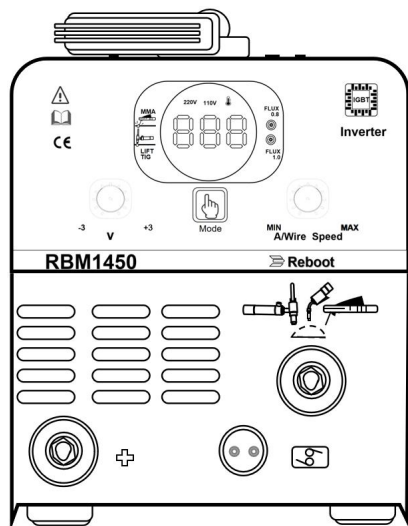


Pour garantir le fonctionnement sécuritaire de votre équipement :

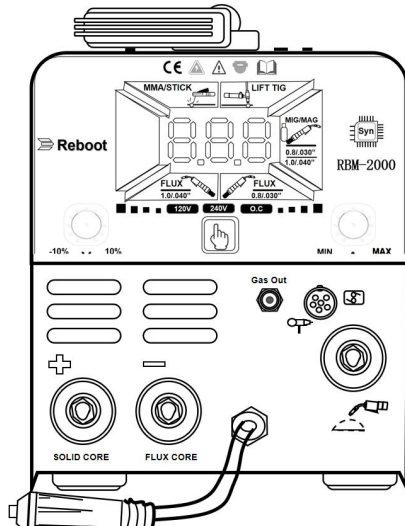
- 1 Lors d'un fonctionnement à l'intensité maximale, un disjoncteur avec une capacité de courant insuffisante peut déclencher. Veuillez confirmer que votre disjoncteur est évalué pour 30 ampères ou plus.
- 2 Faites preuve de prudence lors de l'utilisation de l'appareil jusqu'à ce que les deux exigences ci-dessus soient remplies. La sécurité d'abord ! Si vous n'êtes pas sûr, consultez un électricien qualifié pour confirmer la compatibilité de l'appareil avec votre installation électrique.

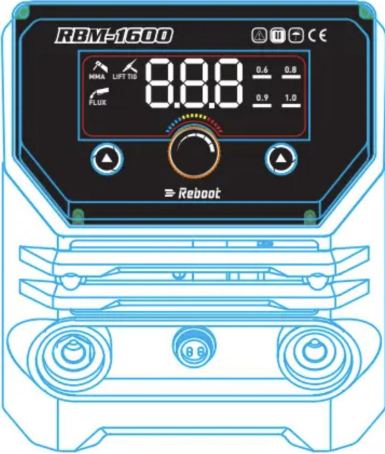
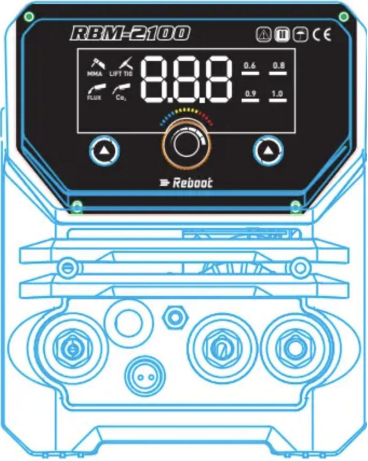
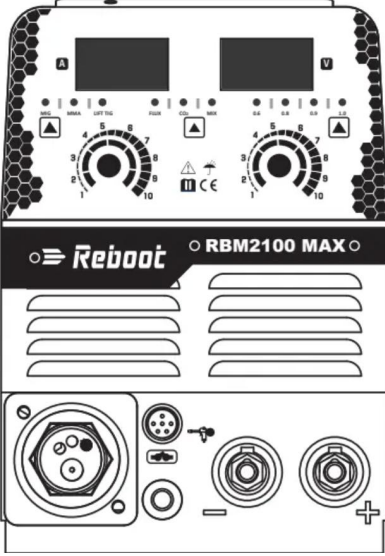
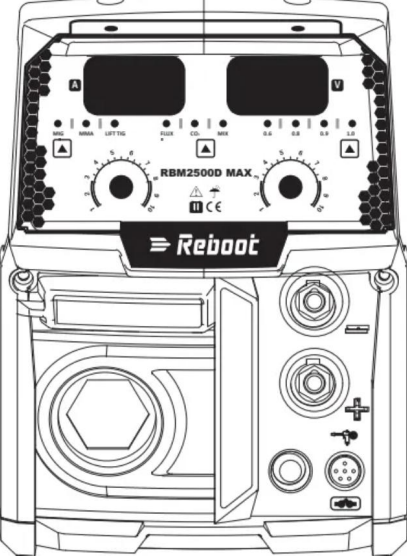
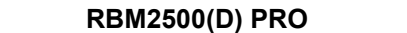
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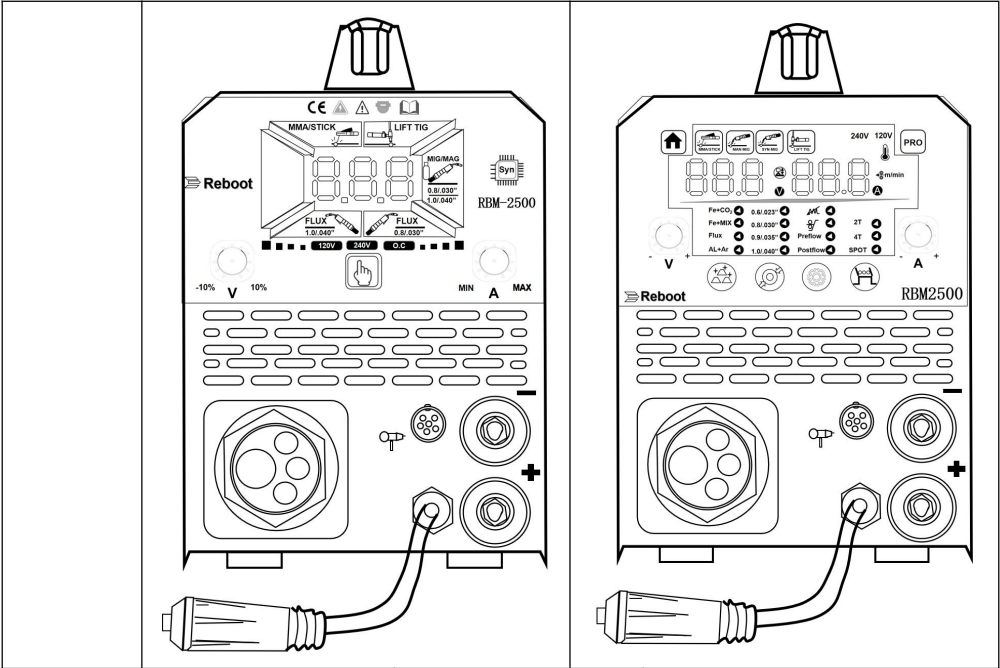
RBM1450

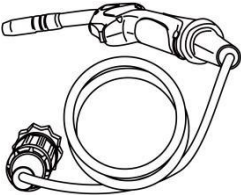
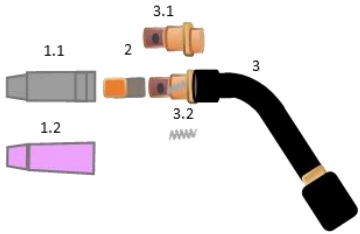


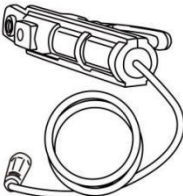
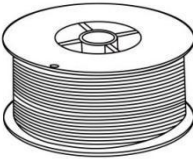
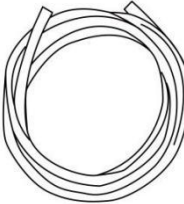
RBM2000(D)



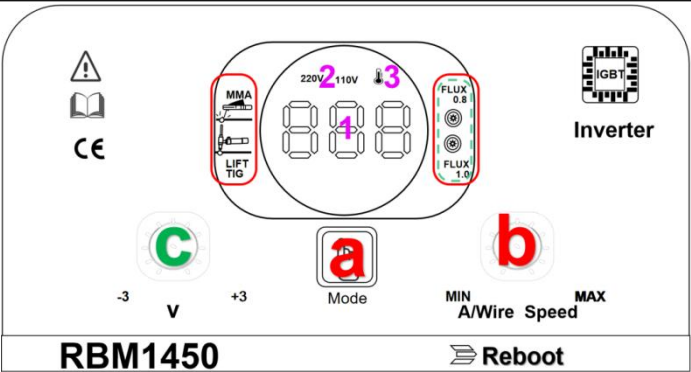
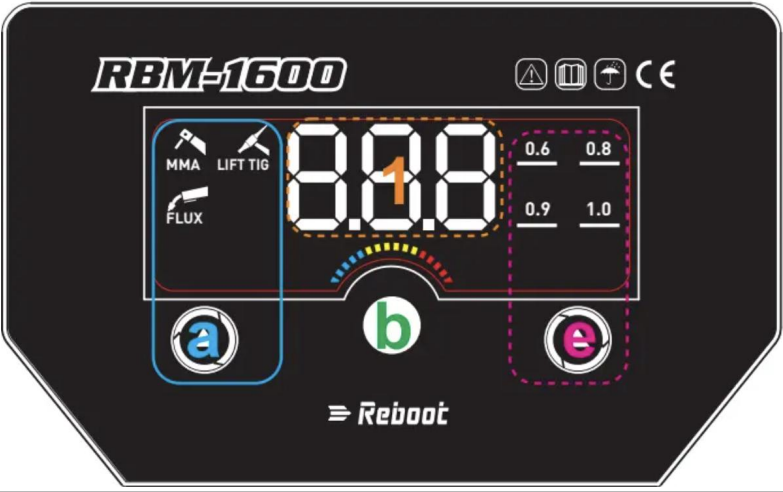
Unité Machine	RBM1600 	RBM1650/RBM2100 
	RBM2100 MAX 	RBM2500 MAX 
	RBM2500(D) 	RBM2500(D) PRO 

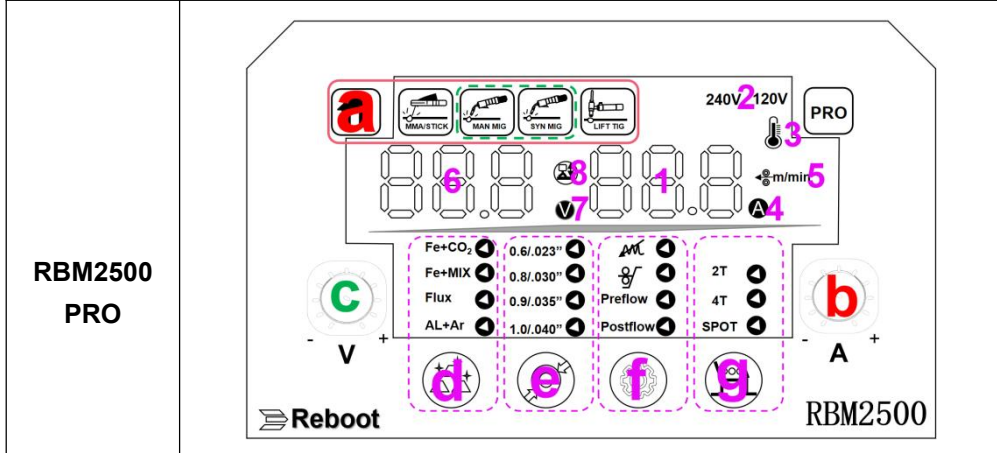
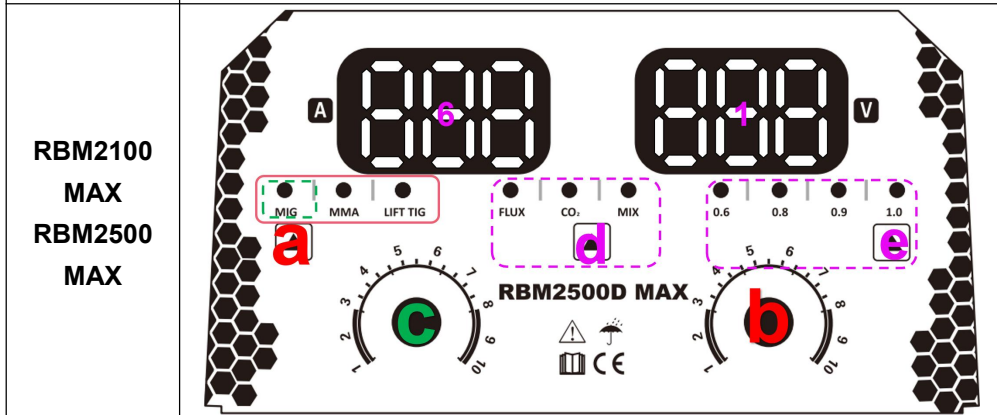
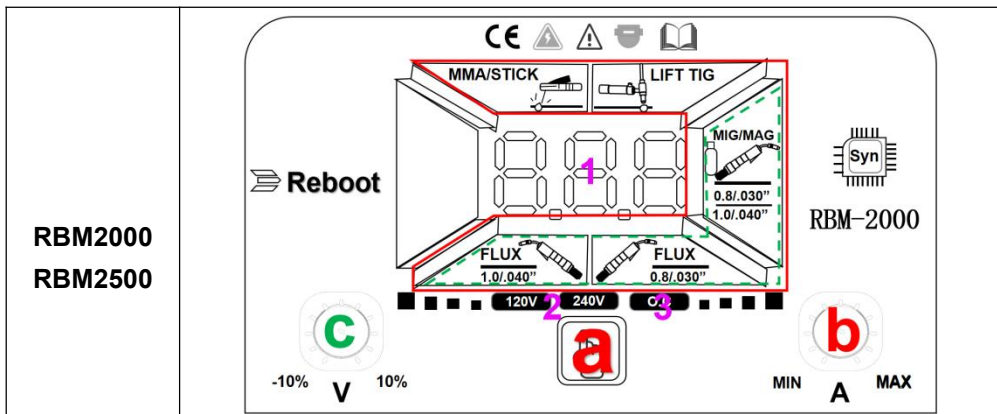


Torche MIG	14AK	14AK	15AK
	RBM1450/1600	RBM1650/2000/2 100	RBM2100 MAX 2500(D)(PRO)(MAX)
			
	Pièces de Rechange		
	1.1:Buse de gaz ϕ 12mm 14AK,15AK		
	1.2:Buse céramique ϕ 12mm 14AK,15AK		
	2:Buse de contact ϕ 0.6,0.8,0.9,1.0mm/M6*25		
	3:Tête de torche		
	3.1:Diffuseur de gaz 15AK		
	3.2:Ressort de buse 15AK		

Autres	RBM1650/2000(D)/RBM2100 MAX/RBM2500(D) (PRO)(MAX)			
	RBM1450/1600			
	Pince de Masse	Porte-Électrode	Fil Fourré	Tuyau à Gaz
				

3. Panneau de Contrôle

RBM1450	 The diagram shows the control panel for the RBM1450. It features a central digital display showing '220V 110V' and '4'. To the left of the display are buttons for 'MMA' and 'LIFT TIG'. To the right are buttons for 'FLUX 0.8' and 'FLUX 1.0'. Below the display are three large buttons: a green 'c' button labeled '-3 V +3', a red 'a' button labeled 'Mode', and a red 'b' button labeled 'MIN A/Wire Speed MAX'. Above the display is a warning triangle, a book icon, and the CE mark. To the right of the display is an 'Inverter' icon. At the bottom right is a 'Reboot' button with a circular arrow icon.
RBM1600 RBM1650 RBM2100	 The diagram shows the control panel for the RBM1600, RBM1650, and RBM2100 models. It features a central digital display showing '0.01'. To the left of the display are buttons for 'MMA', 'LIFT TIG', and 'FLUX'. To the right of the display are two sets of buttons: '0.6' and '0.8' on top, and '0.9' and '1.0' on the bottom. Below the display are three large buttons: a blue 'a' button, a green 'b' button, and a red 'c' button. Above the display are a warning triangle, a book icon, a rain icon, and the CE mark. At the bottom right is a 'Reboot' button with a circular arrow icon.



a		Changement de Mode			
RBM1450	RBM160	RBM2100RBM16	RBM2100 MAX	RBM2000/2500	RBM2500
	0	50	RBM2500 MAX		PRO

LIFT TIG	MMA	MIG	MIG	MMA/STICK	MMA/STIC
MMA	LIFT TIG	MMA	MMA	LIFT TIG	K
Flux	FLUX	LIFT TIG	LIFT TIG	MIG/MAG	MAN MIG
0.8mm		FLUX		0.8/.030"	SYN MIG
Flux				MIG/MAG	LIFT TIG
1.0mm				1.0/.040"	
				FLUX 0.8/.030"	
				FLUX 1.0/.040"	

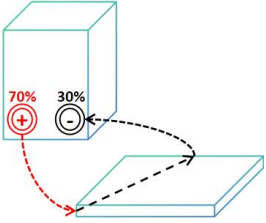
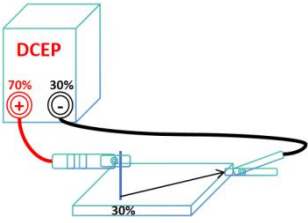
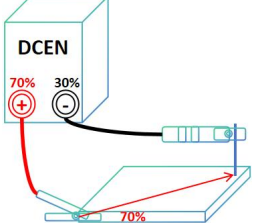
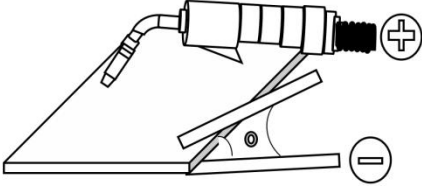
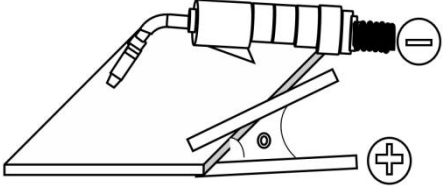
b	Contrôle du Courant	Réglage du courant pour tous modes
c	Contrôle de la Tension	Réglage fin pour le mode MIG
d	Sélection du Matériau	Fe + CO ₂
		Fe + MIX
		Flux (No Gas)
		AL + AR (100%)
e	Diam. Fil (φ)	.023"(0.6mm)
		.030"(0.8mm)
		.035"(0.9mm)
		.040"(1.0mm)
f	Configuration	Régl. inductance (-10~10)
		Avance lente fil (0~10)
		Pré-débit (0.0~2.0)
		Post-débit (0.0~2.0)
g	État du Contrôle	2T
		4T
		SPOT (0.0~3.0)
1	Ampèremètre	Affiche le courant de sortie
2	Tension d'Alim. CA	Affiche la tension d'entrée (120V)
		Affiche la tension d'entrée (240V)
3	Témoin d'Alerte	Erreur machine
4	Indic. Courant	Affiche la valeur de courant "1"
5	Indic. VAF	Affiche la valeur VAF "1"
6	Voltmètre	Affiche la tension de sortie
7	Indic. Tension	Affiche la valeur tension "6"
8	Régl. Tension	Clignote pendant le réglage

4. Changement de Polarité

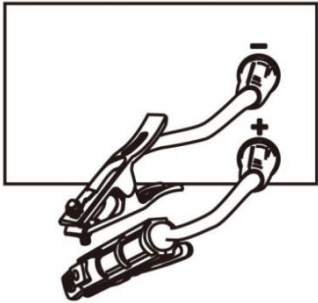
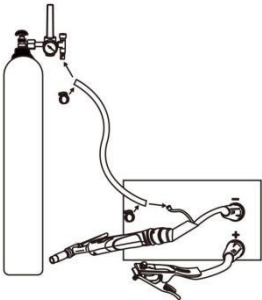
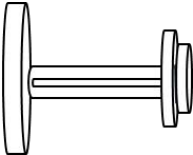
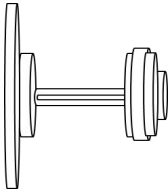
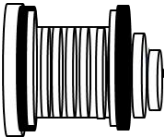
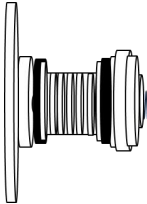
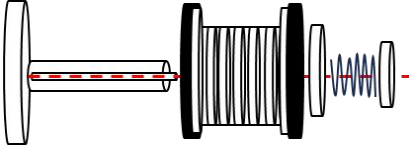
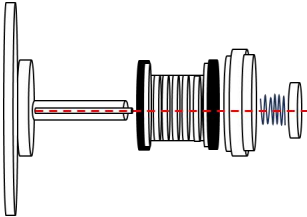
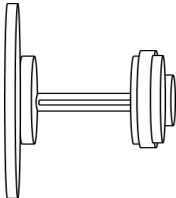
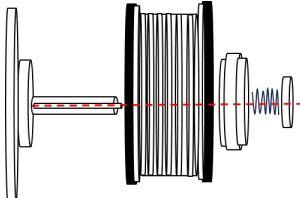
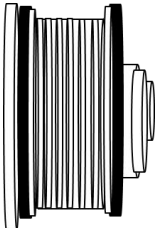
En soudage par onduleur, le courant de sortie circule de l'électrode positive, à travers la pièce, vers l'électrode négative. Le pôle positif possède une plus grande concentration d'énergie. Par conséquent :

En DPCE, la chaleur est concentrée du côté de l'électrode/torche.

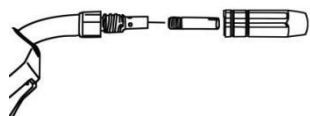
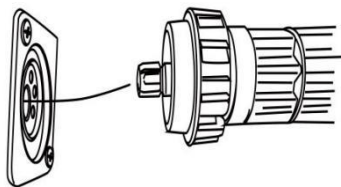
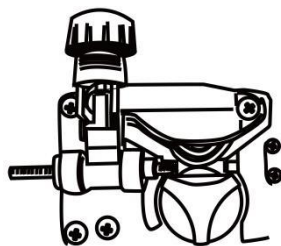
En DPCN, la chaleur est concentrée du côté de la pièce.

		
DCEP		DCEN
Courant Continu Électrode Positive		Courant Continu Électrode Négative
		
MMA/MIG avec Gaz		TIG/Lift TIG/Coupage/MIG Sans Gaz

5. Interface d'Opération

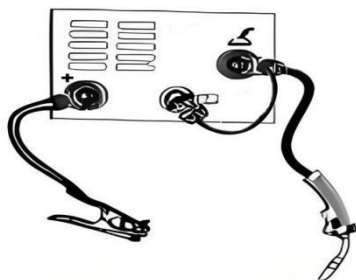
MMA/STICK/ARC (DPCE)	LIFT TIG (DPCN)
	
Installation du Fil de Soudure	
Bobine 2bls pour RBM1450/1600/1650/2000/2100	Bobine 2bls pour RBM2100 MAX/RBM2500(D)(PRO)(MAX)
1 	1 
3 	3 
2 	2 
Bobine 10bls pour RBM2100 MAX/RBM2500(D)(PRO)(MAX)	
	
	

Interface Alimentateur-Torche

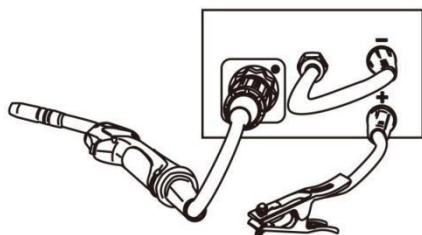


FCAW/Fil Fourré Autoprotégé (DPCN)

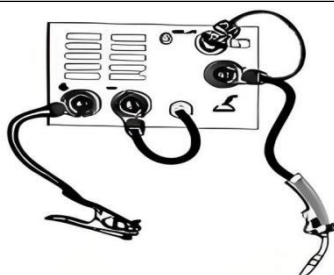
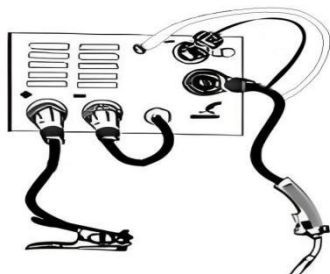
RBM1450/1600/1650/2100



RBM2100 MAX/RBM2500(D)(PRO)(MAX)

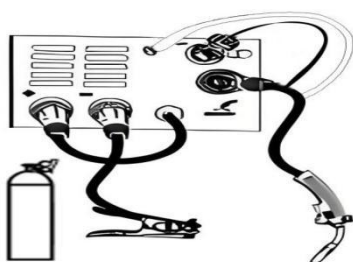


RBM2000/2100 - FCAW (DPCN)

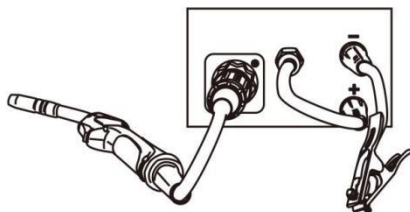


MIG/MAG/GMAW (DPCE)

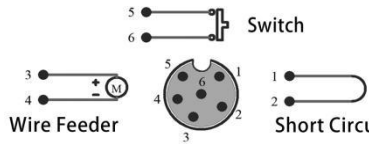
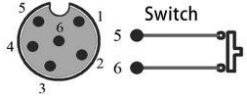
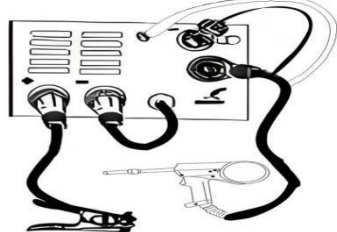
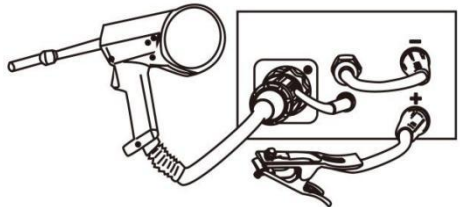
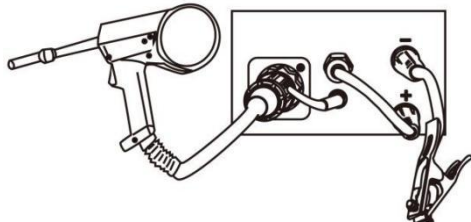
RBM2000/2100



RBM2100 MAX/RBM2500(D)(PRO)(MAX)



6. Interface de la Torche à Dérouleur

Configuration du Câblage de l'Interrupteur		
Connecteur Aviation 6 Broches	Torche à dérouleur pour Tous	Torche MIG pour RBM2000
		
Galets d'Entraînement		
Gorge en U pour Al	Gorge en V pour GMAW	Gorge crantée pour FCAW
Torche à Dérouleur		
FCAW/Fil Fourré Autoprotégé (DPCN) avec Torche à Dérouleur		
RBM2000/2100	RBM2100 MAX/RBM2500(D)(PRO)(MAX)	
		
MIG/MAG/GMAW (DPCE) avec Torche à Dérouleur		
RBM2000/2100	RBM2100 MAX/RBM2500(D)(PRO)(MAX)	
		

7.Manuel Professionnel et Concis

MAINTENANCE, DÉPANNAGE & ANALYSE DES DÉFAUTS		
1	Maintenance Préventive	
1.1	Inspection Périodique: Inspectez régulièrement tous les branchements de câblage interne pour vérifier un contact sûr et un cheminement correct. Vérifiez la présence de corrosion ou de desserrement, en particulier sur les connecteurs enfichables. Nettoyez la corrosion avec du papier de verre, reconnectez et serrez les fixations.	
1.2	Nettoyage: Utilisez de l'air comprimé propre et sec à pression modérée pour éliminer l'accumulation de poussière. Si utilisée dans des environnements enfumés ou pollués, nettoyez l'intérieur quotidiennement.	
1.3	Protection contre l'Humidité: Empêchez l'entrée d'eau ou d'humidité. En cas d'occurrence, séchez l'appareil complètement. Vérifiez l'intégrité de l'isolation avec un mégohmmètre avant la remise en service.	
1.4	Inspection des Câbles: Vérifiez régulièrement tous les câbles pour détecter tout dommage d'isolation. Réparez avec du ruban adhésif isolant ou remplacez immédiatement.	
1.5	Stockage: Pour des périodes d'inactivité prolongées, réemballez et stockez dans un environnement sec.	
	ATTENTION : TOUTE MAINTENANCE DOIT ÊTRE EFFECTUÉE PAR UN ÉLECTRICIEN QUALIFIÉ, LA MACHINE ÉTANT DÉBRANCHÉE DE L'ALIMENTATION ÉLECTRIQUE.	
2	Guide de Dépannage	
Symptôme		Action Corrective
Pas d'Alimentation	Interrupteur d'alimentation sur OFF ; Pas de tension d'alimentation.	1. Vérifiez que l'interrupteur d'alimentation est sur ON.
		2.Confirmes la présence de la tension secteur.
Arc Instable / Courant Fluctuant	Consommables de mauvaise qualité/oxydés ; Connexions desserrées.	1. Utilisez des consommables de qualité ; nettoyez la rouille.
		2. Vérifiez et serrez toutes les connexions (fiches, bornes).
Pas de Sortie	1.Défaut de connexion	1. Vérifiez les câbles enfichables

(Ventilateur et Affichage OK)	interne.	internes.
	2. Circuit de sortie ouvert.	2. Inspectez les connexions du câble de sortie.
	3. Protection thermique activée.	3. Laissez l'appareil refroidir ; vérifiez le commutateur thermique.
Projections Excessives	Polarité incorrecte.	Inversez la polarité de sortie (porte-électrode vs. pince de masse).
Torche en Surchauffe	Torche d'intensité nominale inférieure au courant de fonctionnement.	Remplacez-la par une torche d'intensité nominale supérieure.

3 Diagnostic et Résolution des Problèmes de Soudage

Les phénomènes peuvent être liés aux accessoires, au gaz, à l'environnement ou à l'alimentation électrique.

Problème : Difficulté à amorcer l'arc / Instabilité de l'arc.

Cause : Consommables oxydés ; Fluctuation de la tension du réseau ; Interférences électromagnétiques (IEM) sévères.

Action : Améliorez la qualité/le stockage des consommables ; Vérifiez la stabilité de la source d'alimentation.

Pour SMAW (Électrode) : Essayez d'inverser la polarité du porte-électrode et de la pince de masse.

AVERTISSEMENT: SI LE PROBLÈME PERSISTE, CONTACTEZ VOTRE FOURNISSEUR OU LE SERVICE CLIENT DE FUERMU. N'ESSAYEZ PAS DE RÉPARATIONS INTERNES SANS LES QUALIFICATIONS APPROPRIÉES.

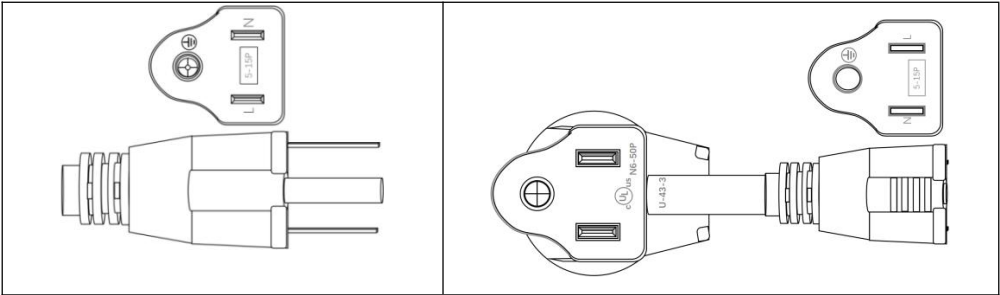
Ce document est susceptible d'être modifié sans préavis en raison de l'amélioration continue du produit.

español

	1.Cada unidad y sus accesorios se someten a pruebas funcionales exhaustivas y calibración de parámetros antes de salir de fábrica. Pueden presentarse pequeñas marcas de prueba en el equipo, lo cual es normal.		
	2.Las máquinas de soldar son dispositivos de alta potencia. Si su interruptor automático tiene capacidad insuficiente, podría dispararse con frecuencia. Verifique si hay otros aparatos de alta potencia funcionando en el mismo circuito, o reduzca la potencia de salida del equipo según corresponda.		
	3.Si encuentra algún problema durante la operación, no dude en contactar a nuestro equipo de servicio. Estamos seguros de poder brindarle una solución rápida y profesional.		
	4.Para un rendimiento óptimo, se recomienda encarecidamente el uso de accesorios originales genuinos.		
			
VIP - CENTRO DE SERVICIO PARA SOLDADORAS			
	Europa y Reino Unido	service-eu@mirthtek.com	
	América del Norte	service@mirthtek.com	
	América del Sur y Otros	nancy@weldvip-service.com	
	+86 18938887689		+86 18938887689
	Reboot Welding Solutions		+86 18923725124
	weldflowhub		https://www.rebootec.com

1. Presentación del Producto

Parámetros Técnicos															
		RBM145		RBM1650/2100		RBM2000		RBM2100		RBM2500		RBM2500			
		0				RBM1600		(D)		MAX		MAX		(D) (PRO)	
		5.9		6.7		6.1		7.7		8.6		10.5			
		365*240*235		336*330*292		370*260*240		455*195*320		460*195*310		480*320*330			
	120V		40A		40A		40A		-		50A		40A		
	240V		30A		30A		30A		40A		40A		40A		
Interrupor Automático (A)															
	1	MIG	30-145	20-160/210		-	32-150	-	50-150		30-182				
	2	MMA	20-145	20-150/200					20-130						
	0	TIG	18-145	20-150/200					20-130						
	2	MIG	30-145	-	20-165		32-200	50-210	50-250	30-250					
	4	MMA	20-145		20-145			20-190	20-230						
	0	TIG	18-145		20-145			20-190	20-230						
Rango de Corriente (A)															
	120	72	64	-		65	-		70	67					
	240	60	-	64		60	72		72	65					
Tensión en Vacío(V)															
	Enchufe Americano		AC120V 50-60Hz												
			AC120V 50-60Hz/AC240V 50-60Hz												
Enchufe Europeo			AC240V 50-60Hz												
Enchufe Británico															
		2~15				60%				F					
Veloc. Alim. Hilo			Ciclo de Trabajo(%)				Grado de Aislamiento								
	0.7				85				IP21						
Factor de Potencia			Eficiencia (%)				Clase de Protección (IP)								
Enchufe Americano					Cable de Conversión EU/US										
					Compatible con enchufes NEMA 120V/240V										



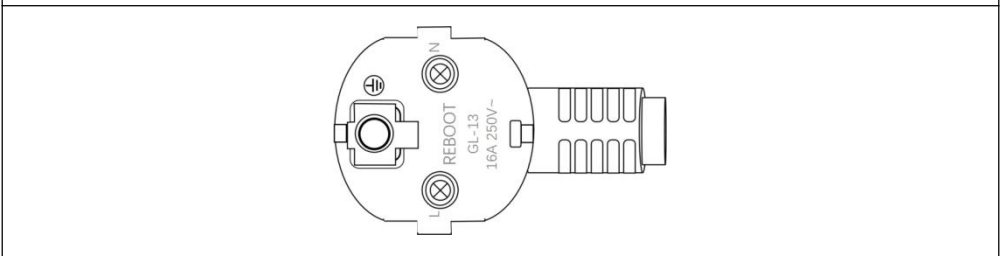
Aviso Importante de Seguridad

	ADVERTENCIA: Riesgo de Peligro Eléctrico	
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Para garantizar el funcionamiento seguro de su equipo:

1	Al operar a corriente máxima, un interruptor automático con una capacidad de corriente insuficiente puede dispararse. Confirme que su interruptor automático esté clasificado para 30 amperios o más.
2	Extreme la precaución al usar el dispositivo hasta que se cumplan ambos requisitos anteriores. ¡La seguridad es primero! Si no está seguro, consulte a un electricista calificado para confirmar la compatibilidad del dispositivo con su sistema eléctrico.

Enchufe Europeo



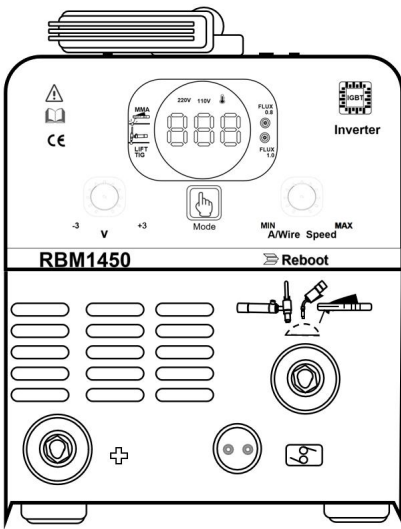
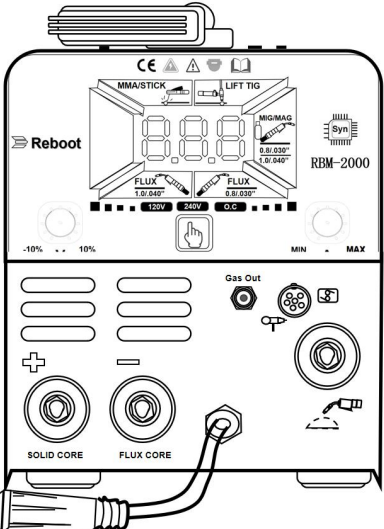
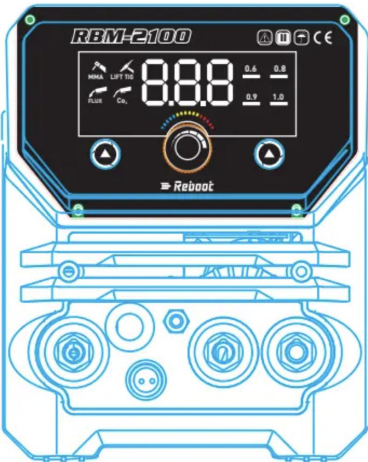
Aviso Importante de Seguridad

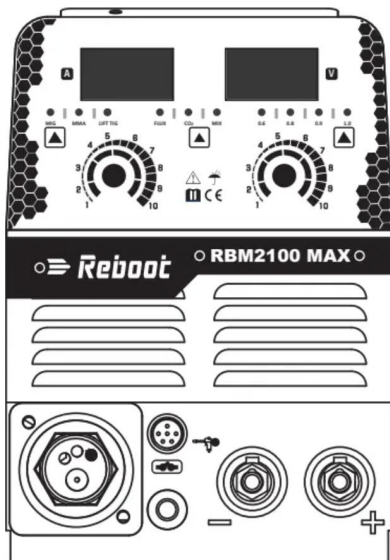
	ADVERTENCIA: Riesgo de Peligro Eléctrico	
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Para garantizar el funcionamiento seguro de su equipo:

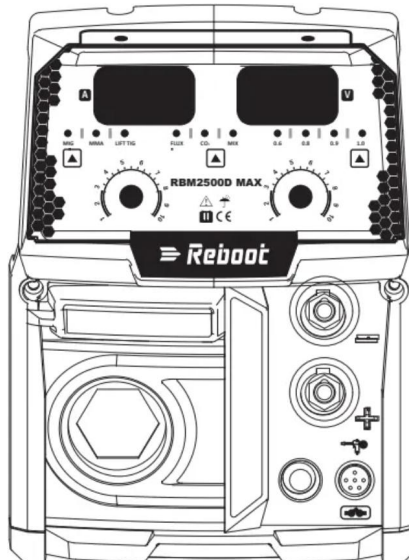
1	Al operar a corriente máxima, un interruptor automático con una capacidad de corriente insuficiente puede dispararse. Confirme que su interruptor automático esté clasificado para 30 amperios o más.
2	Extreme la precaución al usar el dispositivo hasta que se cumplan ambos requisitos anteriores. ¡La seguridad es primero! Si no está seguro, consulte a un electricista calificado para confirmar la compatibilidad del dispositivo con su sistema eléctrico.

2. Contenido del Paquete

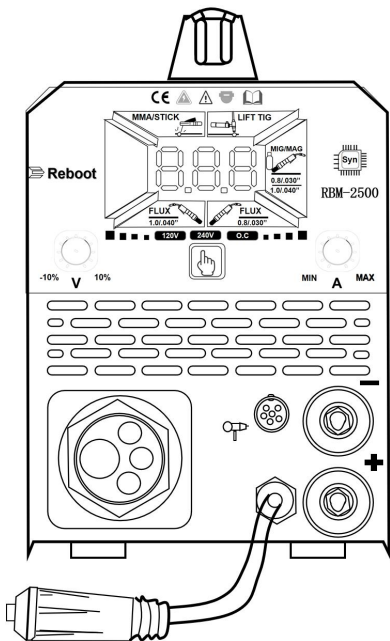
Equipo Principal	RBM1450 	RBM2000(D) 
	RBM1600 	RBM1650/RBM2100 
	RBM2100 MAX	RBM2500 MAX



RBM2500(D)



RBM2500(D) PRO

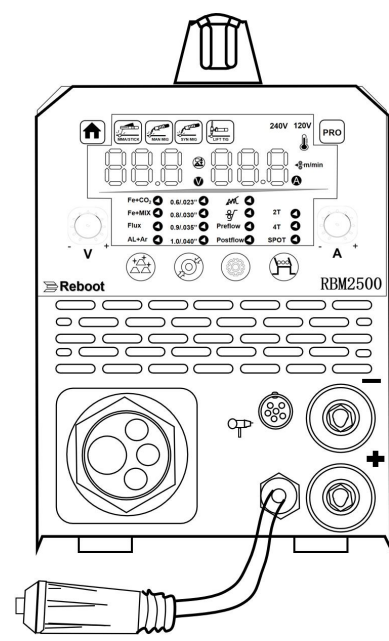


14AK

RBM1450/1600

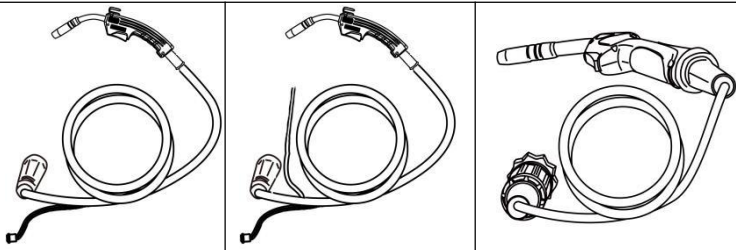
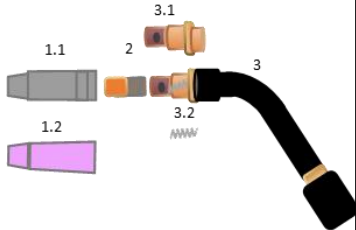
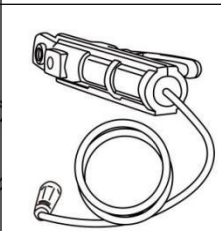
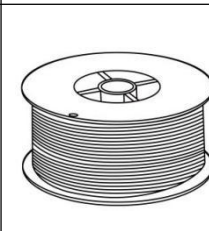
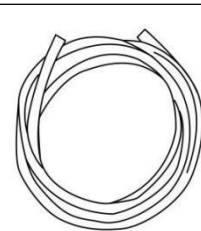
14AK

**RBM1650/2000/2
100**



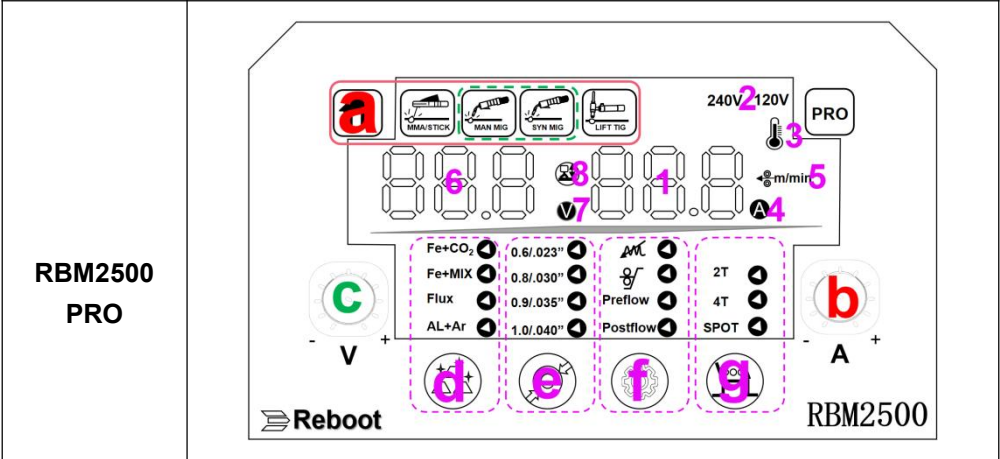
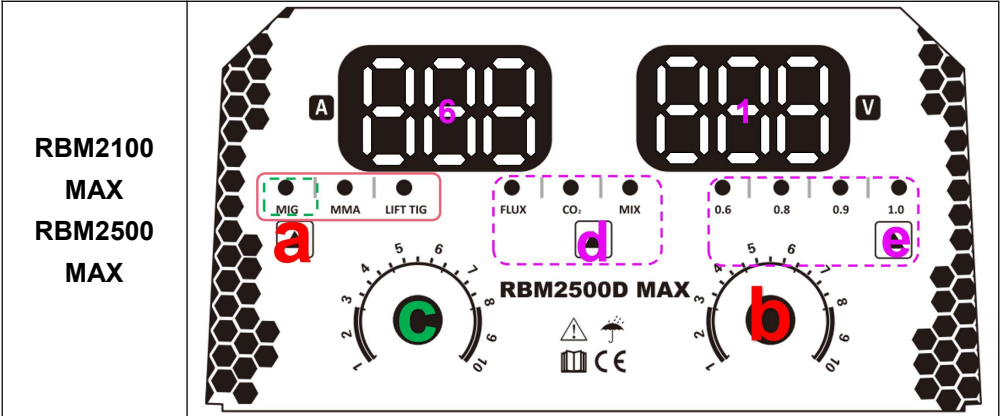
15AK

**RBM2100 MAX
2500(D)(PRO)(MAX)**

Antorcha MIG				
	Piezas de Repuesto			
	1.1: Boquilla de gas ϕ 12mm 14AK,15AK			
	1.2:Boquilla cerámica ϕ 12mm 14AK,15AK			
	2:Boquilla de contacto ϕ 0.6,0.8,0.9,1.0mm/M6*25			
	3: Cabezal de antorcha			
	3.1: Difusor de gas 15AK			
	3.2: Muelle de la boquilla 15AK			
Otros	RBM1650/2000(D)/RBM2100 MAX/RBM2500(D) (PRO)(MAX)			
	RBM1450/RBM1600			Manguera de gas
	Pinza de masa	Portaelectrodos	Hilo tubular con fundente	
				

3. Panel de Control

RBM1450	The RBM1450 control panel features a central digital display showing '8 8 8' with a '4' in the middle. Above the display are two voltage settings: '220V' and '110V'. To the left of the display is a switch labeled 'MMA' and 'LIFT TIG'. To the right is a switch labeled 'FLUX 0.8' and 'FLUX 1.0'. Below the display is a 'Mode' button with a red 'a' icon. To the left of the mode button is a green 'C' button with '-3' and 'V' below it. To the right is a red 'b' button with 'MIN A/Wire Speed' and 'MAX' below it. At the bottom right is a 'Reboot' button with a right arrow icon. The model name 'RBM1450' is printed at the bottom left. Safety icons (warning, book, CE) are at the top left, and an 'Inverter' icon is at the top right.
RBM1600 RBM1650 RBM2100	The RBM1600 control panel has a black background with 'RBM-1600' at the top. The central display shows '0.0' with a '1' in the middle. To the left of the display are three buttons: 'MMA', 'LIFT TIG', and 'FLUX'. Below these are three circular buttons: a blue 'a' button, a green 'b' button, and a pink 'e' button. To the right of the display is a scale with values '0.6', '0.8', '0.9', and '1.0'. At the bottom center is a 'Reboot' button with a right arrow icon. Safety icons (warning, book, CE) are at the top right.
RBM2000 RBM2500	The RBM2000 control panel features a large central display showing '8 8 8' with a '1' in the middle. Above the display are two switches: 'MMA/STICK' and 'LIFT TIG'. To the right of the display is a switch labeled 'MIG/MAG' with settings '0.8/0.030"' and '1.0/0.040"'. Below the display are two switches labeled 'FLUX' with settings '1.0/0.040"' and '0.8/0.030"'. At the bottom center is a 'Reboot' button with a right arrow icon. To the left of the mode button is a green 'C' button with '-10%' and '10%' below it. To the right is a red 'b' button with 'MIN A' and 'MAX' below it. At the bottom center is a 'Mode' button with a red 'a' icon. The model name 'RBM-2000' is printed at the bottom right. Safety icons (CE, warning, book) are at the top left, and a 'Syn' icon is at the top right.



a		Cambio de Modo			
RBM1450	RBM1600	RBM2100 RBM1650	RBM2100 MAX RBM2500 MAX	RBM2000/2500	RBM2500 PRO
LIFT TIG	MMA	MIG	MIG	MMA/STICK	MMA/STICK
MMA	LIFT TIG	MMA	MMA	LIFT TIG	MAN MIG
Flux 0.8mm	FLUX	LIFT TIG	LIFT TIG	MIG/MAG 0.8/.030"	SYN MIG
Flux 1.0mm		FLUX		MIG/MAG 1.0/.040"	LIFT TIG
				FLUX 0.8/.030"	
				FLUX 1.0/.040"	
b	Control de Corriente		Ajuste de corriente de soldadura para todos los modos		
c	Control de Tensión		Ajuste fino para el modo MIG		
			Fe + CO ₂		
			Fe + MIX		

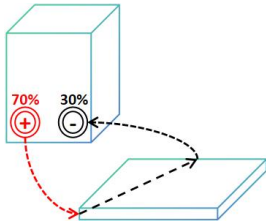
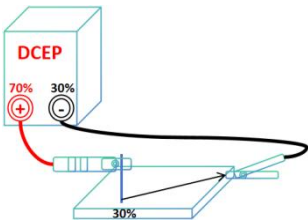
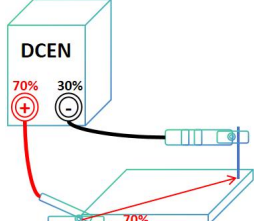
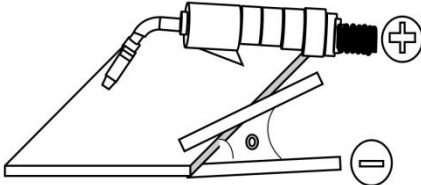
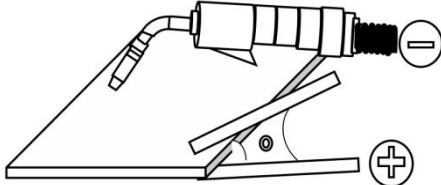
d	Selección de Material	Flux (No Gas)
		AL + AR (100%)
e	Diám. Hilo (φ)	.023"(0.6mm)
		.030"(0.8mm)
		.035"(0.9mm)
		.040"(1.0mm)
f	Configuración	Ajuste de inductancia (-10~10)
		Alimentación lenta de hilo (0~10)
		Preflujo (0.0~2.0)
		Postflujo (0.0~2.0)
g	Estado de Control	2T
		4T
		SPOT (0.0~3.0)
1	Amperímetro	Muestra la corriente de salida del soldador
2	Tens. Entrada CA	Muestra la tensión de entrada (120V)
		Muestra la tensión de entrada (240V)
3	Luz Advertencia	Error de la máquina
4	Indic. Corriente	Muestra el valor de corriente "1"
5	Indic. VAH	Muestra el valor VAH "1"
6	Voltímetro	Muestra la tensión de salida del soldador
7	Indic. Tensión	Muestra el valor de tensión "6"
8	Ajuste Tensión	Parpadea al ajustar la tensión

4. Cambio de Polaridad

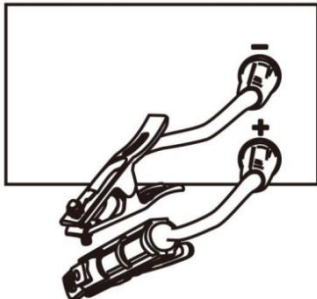
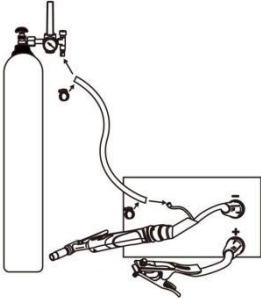
En la soldadura por inversor, la corriente de salida fluye del electrodo positivo, a través de la pieza de trabajo, hacia el electrodo negativo. El polo positivo posee una mayor concentración de energía. En consecuencia:

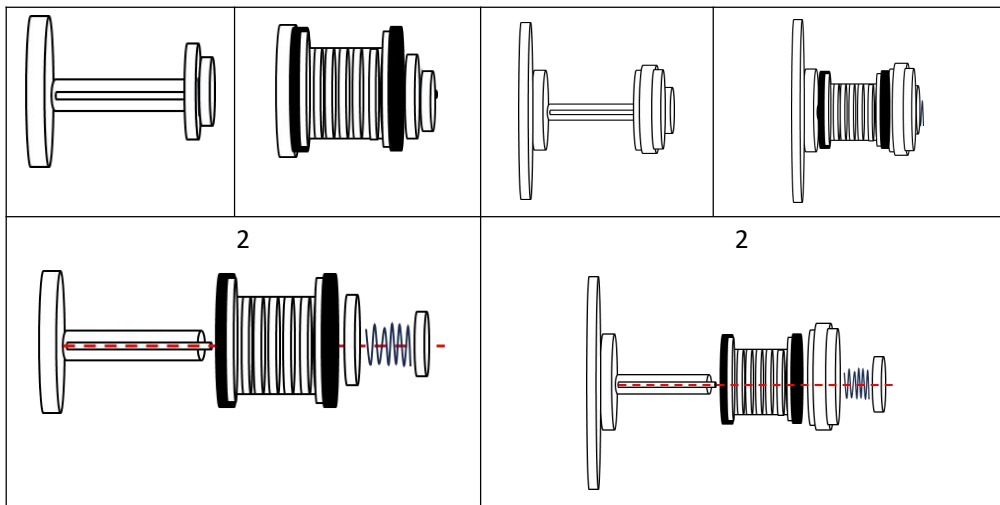
Con DCEP, el calor se concentra en el lado del electrodo/antorcha.

Con DCEN, el calor se concentra en el lado de la pieza de trabajo.

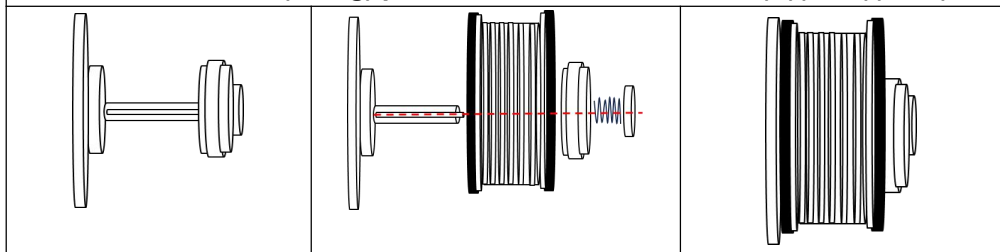
		
DCEP	DCEN	
Corriente Directa Electrodo Positivo	Corriente Directa Electrodo Negativo	
		
MMA/MIG Con Gas	TIG/Lift TIG/Corte/MIG Sin Gas	

5. Interfaz de Operación

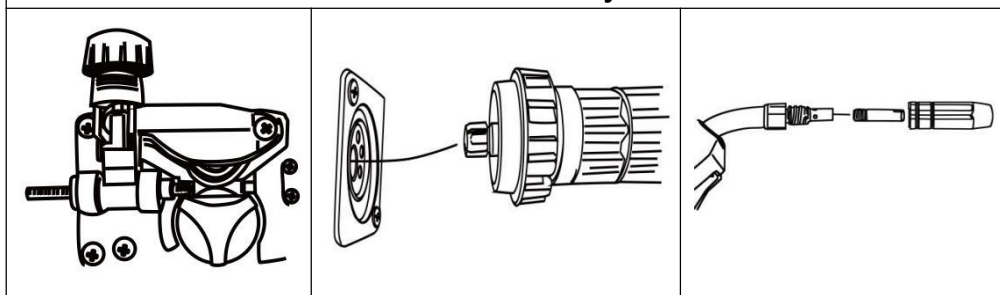
MMA/STICK/ARC (DCEP)		LIFT TIG (DCEN)	
			
Instalación del Hilo de Soldadura			
Carrete de 2lbs para RBM1450/1600/1650/2000/2100		Carrete de 2 lbs para RBM2100 MAX/RBM2500(D)(PRO)(MAX)	
1	3	1	3



Carrete de 10 lbs (4.5 kg) para RBM2100 MAX/RBM2500(D)(PRO)(MAX)



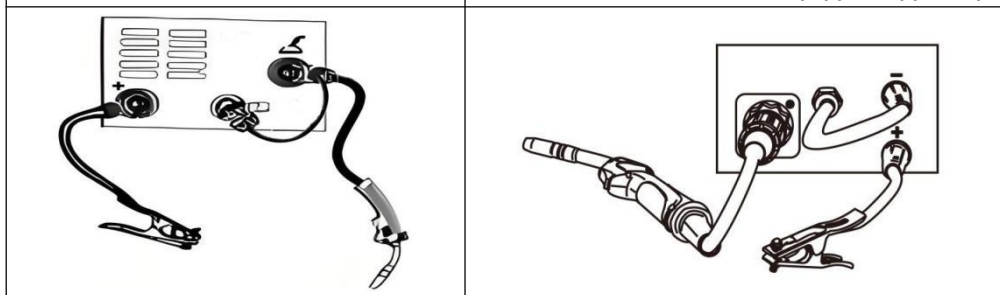
Interfaz entre el Alimentador y la Antorcha

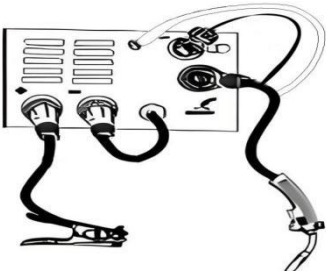
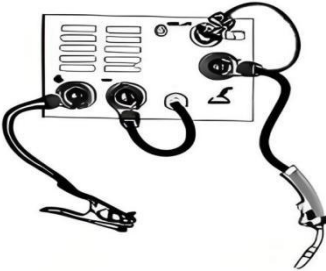
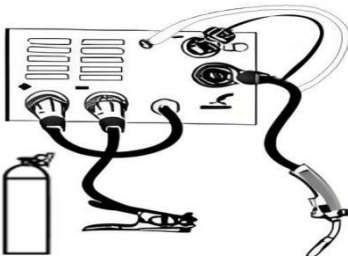
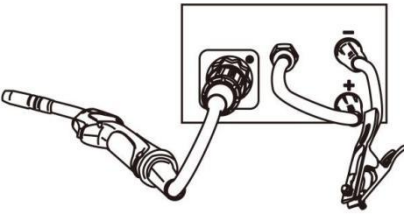


FCAW/Con Núcleo de Fundente Autoprotegido (DCEN)

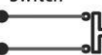
RBM1450/1600

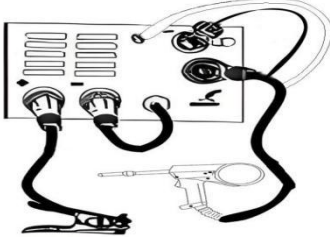
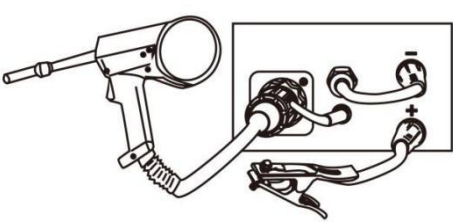
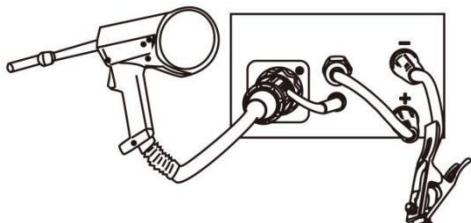
RBM2100 MAX/RBM2500(D)(PRO)(MAX)



RBM1650/2000/2100 - FCAW (DCEN)	
	
MIG/MAG/GMAW (DCEP)	
RBM1650/2000/2100	RBM2100 MAX/RBM2500(D)(PRO)(MAX)
	

6. Interfaz de Operación de la Pistola de Carrete

Configuración del Cableado del Interruptor		
Conector de Aviación de 6 Pines	Pistola de Carrete para Todos	Antorcha MIG para RBM2000
	  	 
Rodillos de Accionamiento		
Ranura en U para AI	Ranura en V para GMAW	Estriados para FCAW
Pistola de Carrete		
FCAW/Con Núcleo de Fundente Autoprotegido (DCEN)		
RBM2000	RBM2100 MAX/RBM2500(D)(PRO)(MAX)	

	
MIG/MAG/GMAW (DCEP) con Pistola de Carrete	
RBM2000	RBM2100 MAX/RBM2500(D)(PRO)(MAX)
	

7. Manual Profesional y Conciso

MANTENIMIENTO, RESOLUCIÓN DE PROBLEMAS Y ANÁLISIS DE FALLAS	
1	Mantenimiento Preventivo
1.1	Inspección Periódica: Inspeccione periódicamente todas las conexiones de cableado interno para verificar contacto seguro y correcto trazado. Verifique corrosión o flojedad, especialmente en conectores enchufables. Limpie la corrosión con papel de lija, vuelva a conectar y asegure los sujetadores.
1.2	Limpieza: Use aire comprimido limpio y seco a presión moderada para eliminar acumulación de polvo. Si se usa en ambientes con humo o contaminados, limpie el interior diariamente.
1.3	Protección contra la Humedad: Evite la entrada de agua o humedad. Si ocurre, seque la unidad completamente. Verifique la integridad del aislamiento con un megóhmetro antes de reactivarla.
1.4	Inspección de Cables: Revise regularmente todos los cables en busca de daños en el aislamiento. Repare con cinta aislante o reemplace

	inmediatamente.	
1.5	Almacenamiento: Para periodos prolongados de inactividad, reempaque y almacene en un ambiente seco.	
	PRECAUCIÓN: TODO EL MANTENIMIENTO DEBE SER REALIZADO POR UN ELECTRICISTA CALIFICADO CON LA MÁQUINA DESCONECTADA DE LA FUENTE DE ALIMENTACIÓN.	
2	Guía de Resolución de Problemas	
Síntoma	Causa Posible	Acción Correctiva
Sin Energía	Interruptor de encendido APAGADO; Sin tensión de suministro.	1. Verifique que el interruptor de encendido esté ENCENDIDO.
		2. Confirme que haya tensión en la red eléctrica.
Arco Inestable / Corriente Fluctuante	Consumibles de mala calidad/oxidados; Conexiones flojas.	1. Use consumibles de calidad; limpie el óxido.
		2. Revise y asegure todas las conexiones (enchufes, terminales).
Sin Salida (Ventilador y Pantalla OK)	1.Fallo en conexión interna.	1. Revise cables enchufables internos.
	2.Circuito de salida abierto.	2. Inspeccione conexiones del cable de salida.
	3.Protección térmica activada.	3. Permita que la unidad se enfríe; revise el interruptor térmico.
Chispas Excesivas	Polaridad incorrecta.	Invierta la polaridad de salida (portaelectrodo vs. pinza de masa).
Antorcha Sobrecalenta da	Antorcha de amperaje nominal inferior a la corriente de operación.	Reemplácela con una antorcha de amperaje nominal superior.
3	Diagnóstico y Resolución de Problemas de Soldadura	
Los fenómenos pueden estar relacionados con accesorios, gas, entorno o fuente de alimentación.		
Problema: Dificultad para iniciar el arco / Inestabilidad del arco.		
Causa: Consumibles oxidados; Fluctuación del voltaje de la red; Interferencia electromagnética (EMI) severa.		
Acción: Mejore la calidad/almacenamiento de consumibles; Verifique la estabilidad de la fuente de alimentación.		

Para SMAW (Electrodo):Pruebe invertir la polaridad del portaelectrodo y la pinza de masa.

ADVERTENCIA: SI EL PROBLEMA PERSISTE, CONTACTE A SU PROVEEDOR O AL SERVICIO AL CLIENTE DE FUERMU. NO INTENTE REPARACIONES INTERNAS SIN LA CALIFICACIÓN ADECUADA.

Este documento está sujeto a cambios sin previo aviso debido a la mejora continua del producto.

	1.Ogni unità e i suoi accessori vengono sottoposti a test funzionali completi e calibrazione dei parametri prima di lasciare la fabbrica. Sul dispositivo potrebbero essere presenti piccoli segni di test, il che è normale.
	2.Le saldatrici sono dispositivi ad alta potenza. Se il tuo interruttore automatico ha una capacità insufficiente, potrebbe scattare frequentemente. Controlla se altri apparecchi ad alta potenza sono in funzione sullo stesso circuito, oppure riduci la potenza di uscita dell'attrezzatura di conseguenza.
	3.Se dovessi riscontrare problemi durante l'uso, non esitare a contattare il nostro team di assistenza. Siamo certi di poterti fornire una soluzione rapida e professionale.
	4.Per prestazioni ottimali, si raccomanda vivamente l'uso di accessori originali genuini.

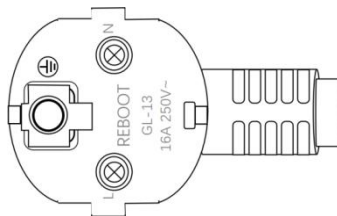


VIP - CENTRO ASSISTENZA SALDATRICI

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	Sud America e Altri	nancy@weldvip-service.com	
	+86 18938887689		+86 18938887689
	Reboot Welding Solutions		+86 18923725124
	weldflowhub		https://www.rebootec.com

1. Presentazione del Prodotto

Parametri Tecnici									
		RBM145 0	RBM1650/2100 RBM1600		RBM2000 (D)	RBM2100 MAX	RBM2500 MAX	RBM2500 (D) (PRO)	
		5.9	6.7		6.1	7.7	8.6	10.5	
		365*24 0*235	336*330*292		370*260 *240	455*19 5*320	460*195 *310	480*320* 330	
	120V	40A	40A		40A	-	50A	40A	
	240V	30A	30A		30A	40A	40A	40A	
Interruttore (A)									
	1	MIG	30-145	20-160/210	-	32-150	-	50-150	30-182
	2	MMA	20-145	20-150/200				20-130	
	0	TIG	18-145	20-150/200				20-130	
	2	MIG	30-145	-	20-165	32-200	50-210	50-250	30-250
	4	MMA	20-145		20-145		20-190	20-230	
	0	TIG	18-145		20-145		20-190	20-230	
Gamma Corrente									
	120	72	64	-	65	-	70	67	
	240	60	-	64	60	72	72	65	
Tensione a Vuoto(A)									
	Spina Americana		AC120V 50-60Hz						
			AC120V 50-60Hz/AC240V 50-60Hz						
Spina Europea			AC240V 50-60Hz						
Spina Britannica									
	2~15(m/s)			60%			F		
Vel. Avanz. Filo (m/min)			Ciclo di Lavoro			Classe di Isolamento			
	0.7			85			IP21		
Fattore di Potenza			Rendimento (%)			Grado di Protezione (IP)			
Spina Europea									



Avviso Importante di Sicurezza



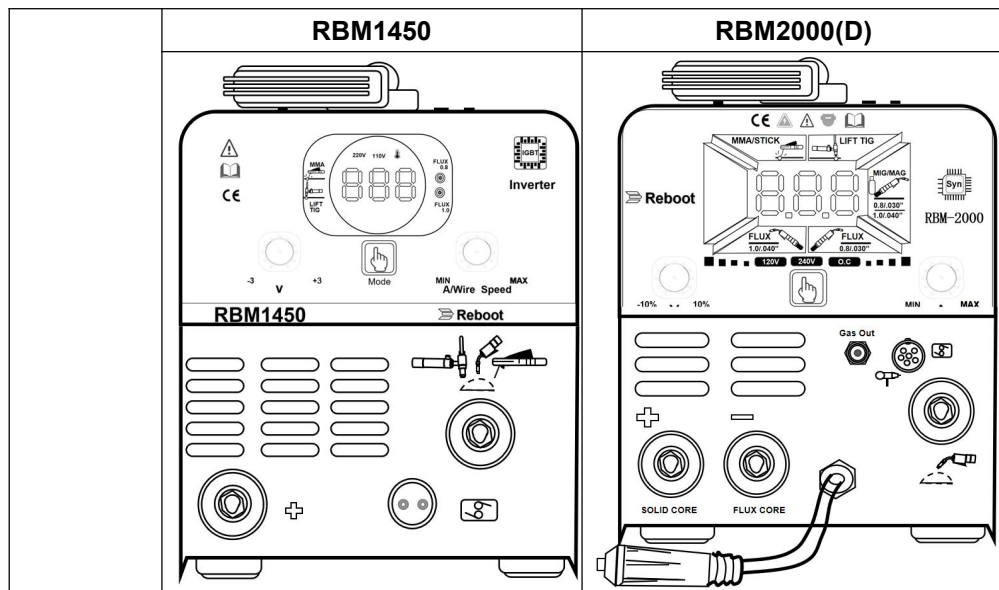
ATTENZIONE: Rischio di Pericolo Elettrico

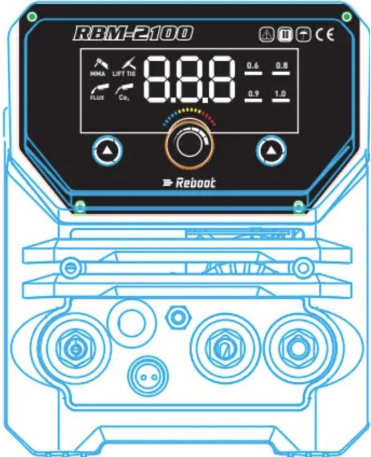
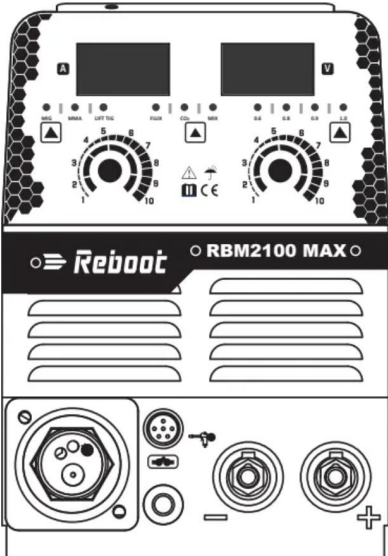
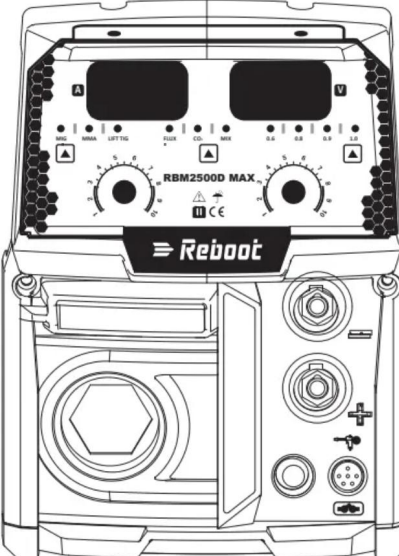
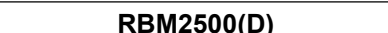
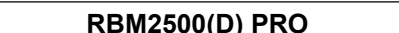


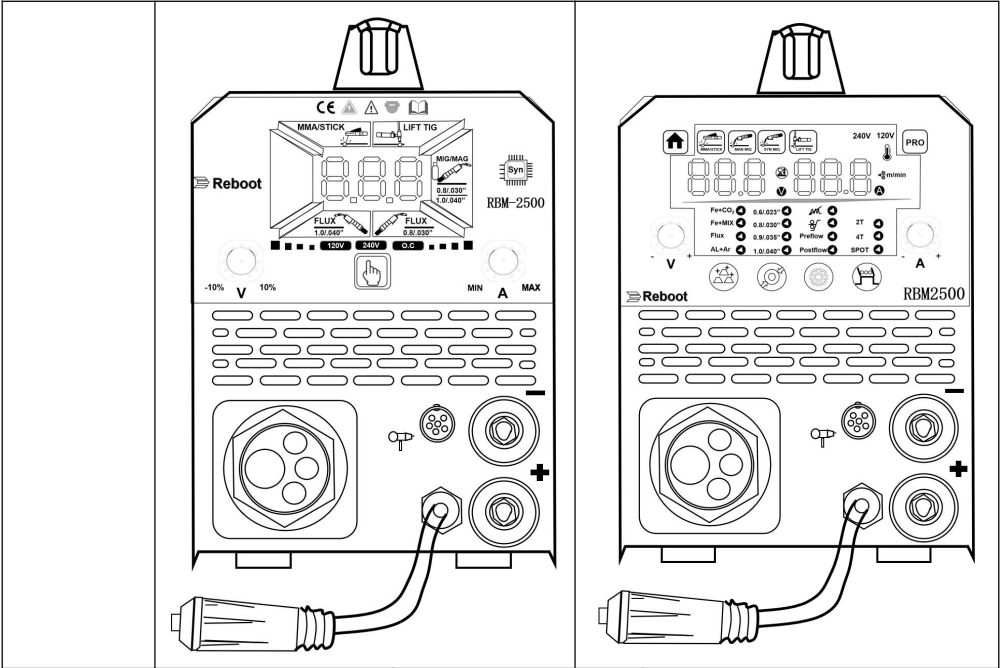
Per garantire il funzionamento sicuro della vostra attrezzatura:

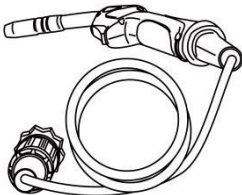
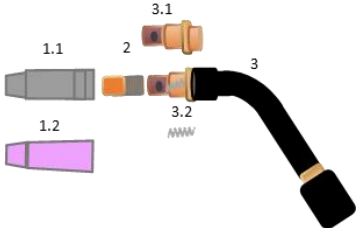
- 1 Durante il funzionamento a corrente massima, un interruttore magnetotermico con una portata di corrente insufficiente potrebbe scattare. Si prega di confermare che il proprio interruttore magnetotermico sia classificato per 30 ampere o superiore.
- 2 Utilizzare il dispositivo con cautela finché non saranno soddisfatti entrambi i requisiti sopra indicati. La sicurezza prima di tutto! In caso di dubbi, consultare un elettricista qualificato per confermare la compatibilità del dispositivo con il proprio impianto elettrico.

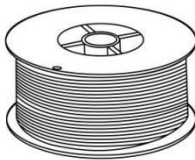
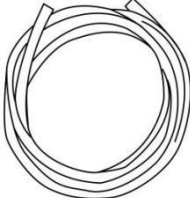
2. Contenuto della Confezione



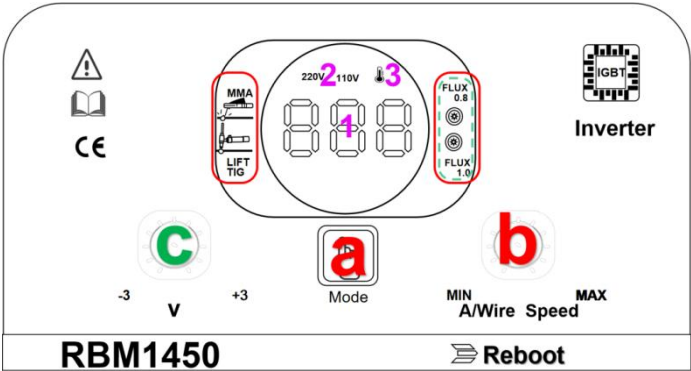
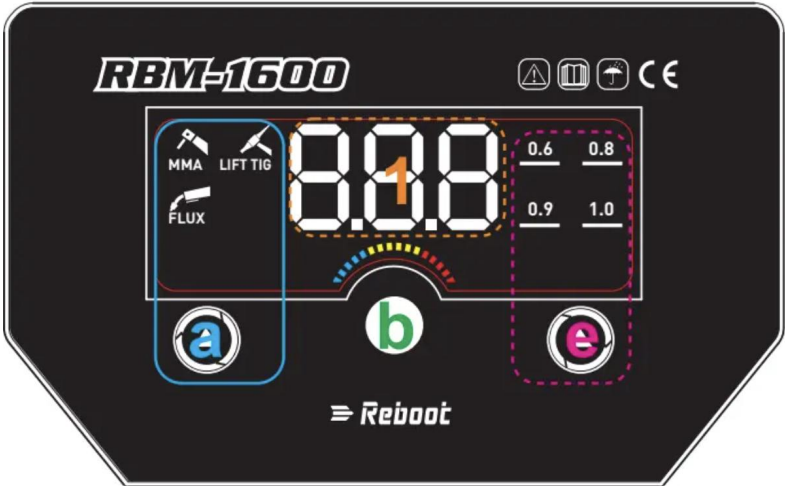
Unità Macchina	RBM1600 	RBM1650/RBM2100 
	RBM2100 MAX 	RBM2500 MAX 
	RBM2500(D) 	RBM2500(D) PRO 



Pistola MIG	14AK	14AK	15AK
	RBM1450/1600	RBM1650/2000/2 100	RBM2100 MAX 2500(D)(PRO)(MAX)
			
	Parti di Ricambio		
	1.1: Bocchetta del gas ϕ 12mm 14AK, 15AK		
	1.2: Bocchetta ceramica ϕ 12mm 14AK, 15AK		
	2: Bocchetta di contatto ϕ 0.6, 0.8, 0.9, 1.0mm/M6*25		
	3: Testa della pistola		
	3.1: Diffusore del gas 15AK		
	3.2: Molla della bocchetta 15AK		

RBM1650/2000(D)/RBM2100 MAX/RBM2500(D) (PRO)(MAX)				
RBM1450/1600				
Altri	Pinza di massa	Portaelettrodo	Filo animato	Tubo del gas
				

3. Pannello di Controllo

RBM1450	 The diagram shows the control panel for the RBM1450. It includes a warning symbol, a CE mark, and a digital display showing '220V 110V' and '4'. There are buttons for 'MMA', 'LIFT TIG', 'FLUX', and 'Inverter'. A green button 'c' is labeled '-3 V +3', and a red button 'b' is labeled 'MIN A/Wire Speed MAX'. A 'Reboot' button is at the bottom.
RBM1600 RBM1650 RBM2100	 The diagram shows the control panel for the RBM1600, RBM1650, and RBM2100. It features a large digital display showing '0.0' and '4'. There are buttons for 'MMA', 'LIFT TIG', and 'FLUX'. A green button 'b' is labeled 'Reboot'. A red button 'e' is labeled '0.6 0.8 0.9 1.0'.

The diagram shows the control panel of the RBM2500D MAX. It features two digital displays at the top, each with a unit indicator (A and V). Below the displays are two rows of buttons: MIG, MMA, LIFT TIG; and FLUX, CO₂, MIX. At the bottom are two large rotary dials with scales from 1 to 10. Callouts a through e point to specific features: a points to the MIG button, b points to the right rotary dial, c points to the left rotary dial, d points to the CO₂ button, and e points to the right dial's scale.

The diagram shows the RBM2500 control panel with the following numbered callouts:

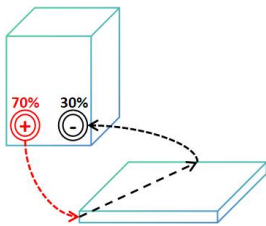
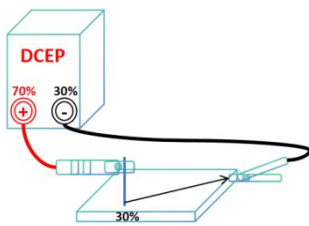
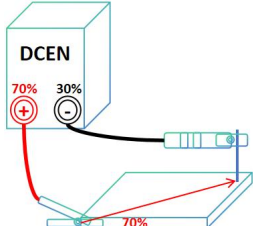
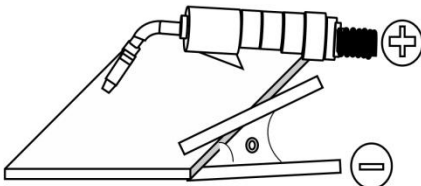
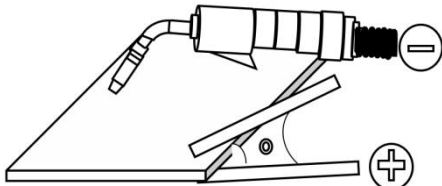
- 1**: Points to the 'LIFT TRG' button.
- 2**: Points to the '240V 120V' voltage selector switch.
- 3**: Points to the temperature gauge.
- 4**: Points to the 'm/min' flow rate gauge.
- 5**: Points to the 'PRO' button.
- 6**: Points to the 'MMA/STIC' button.
- 7**: Points to the 'ON' button.
- 8**: Points to the 'OFF' button.
- 9**: Points to the 'STOP' button.

RBM1450	RBM160	RBM2100RBM16	RBM2100 MAX	RBM2000/2500	RBM2500
	0	50	RBM2500 MAX		PRO

LIFT TIG MMA Flux 0.8mm Flux 1.0mm	MMA LIFT TIG FLUX	MIG MMA LIFT TIG FLUX	MIG MMA LIFT TIG	MMA/STICK LIFT TIG MIG/MAG 0.8/.030" MIG/MAG 1.0/.040" FLUX 0.8/.030" FLUX 1.0/.040"	MMA/STIC K MAN MIG SYN MIG LIFT TIG
b	Controllo Corrente	Regolazione corrente per tutte le modalità			
c	Controllo Tensione	Regolazione fine per modalità MIG			
d	Selezione Materiale	Fe + CO ₂			
		Fe + MIX			
		Flux (No Gas)			
		AL + AR (100%)			
e	Diam. Filo (φ)	.023"(0.6mm)			
		.030"(0.8mm)			
		.035"(0.9mm)			
		.040"(1.0mm)			
f	Configurazione	Reg. induttanza (-10~10)			
		Avv. lento filo (0~10)			
		Preflusso (0.0~2.0)			
		Postflusso (0.0~2.0)			
g	Stato Controllo	2T			
		4T			
		SPOT (0.0~3.0)			
1	Amperometro	Mostra la corrente in uscita			
2	Tens. Ing. CA	Mostra tensione ingresso (120V)			
		Mostra tensione ingresso (240V)			
3	Spia Allarme	Errore macchina			
4	Indic. Corrente	Mostra valore corrente "1"			
5	Indic. VAS	Mostra valore VAS "1"			
6	Voltmetro	Mostra tensione in uscita			
7	Indic. Tensione	Mostra valore tensione "6"			
8	Reg. Tensione	Lampeggia durante regolazione			

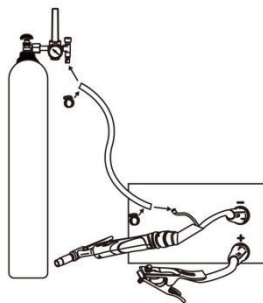
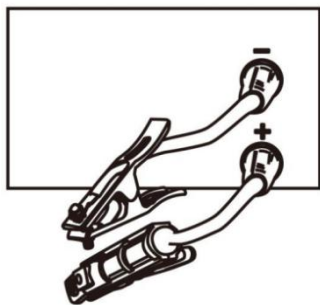
4. Cambio di Polarità

Nella saldatura ad inverter, la corrente di uscita fluisce dall'elettrodo positivo, attraverso il pezzo, verso l'elettrodo negativo. Il polo positivo possiede una maggiore concentrazione di energia. Di conseguenza:
Con CCEP, il calore si concentra sul lato dell'elettrodo/pistola.
Con CCEN, il calore si concentra sul lato del pezzo.

		
DCEP		DCEN
Corrente Continua Elettrodo Positivo		Corrente Continua Elettrodo Negativo
		
MMA/MIG con Gas	TIG/Lift TIG/Taglio/MIG Senza Gas	

5. Interfaccia Operativa

MMA/STICK/ARCO (CCEP)	LIFT TIG (CCEN)
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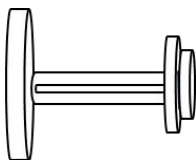


Installazione del Filo di Saldatura

**Bobina da 2 lbs per
RBM1450/1600/1650/2000/2100**

**Bobina da 2 lbs per RBM2100
MAX/RBM2500(D)(PRO)(MAX)**

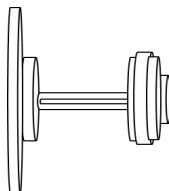
1



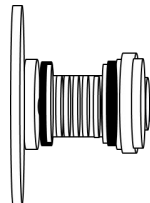
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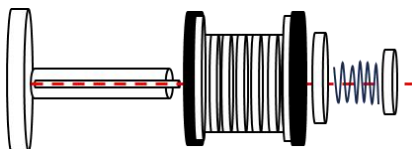
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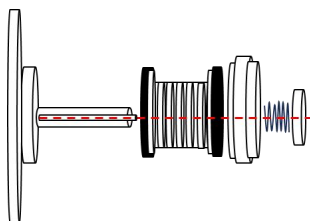
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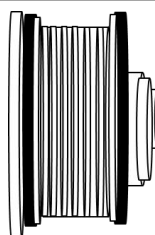
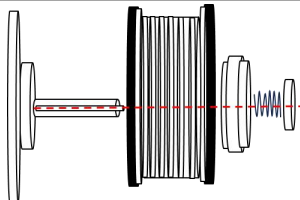
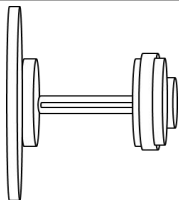
2



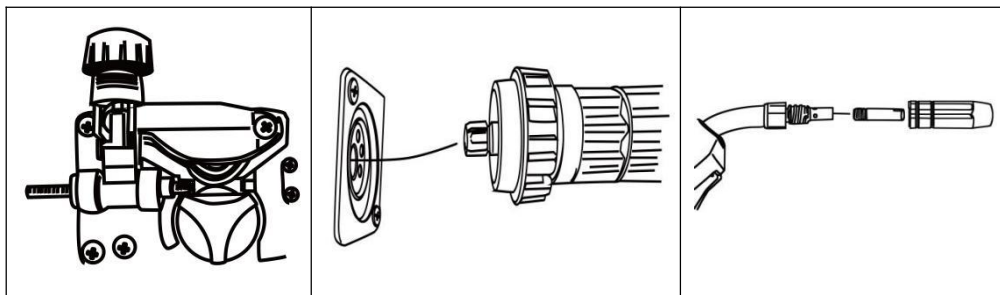
2



Bobina da 10 lbs per RBM2100 MAX/RBM2500(D)(PRO)(MAX)



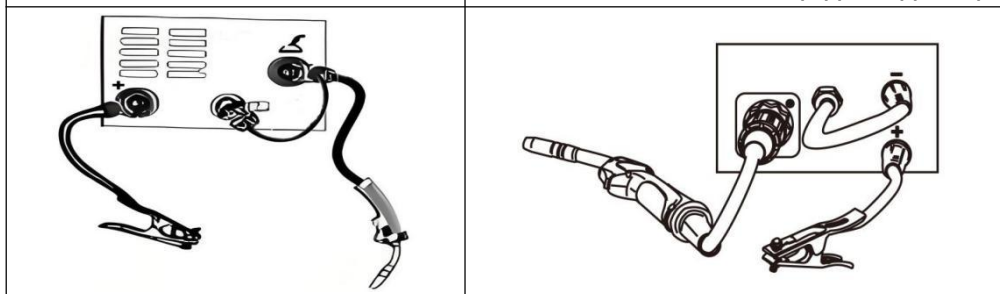
Interfaccia Alimentatore-Pistola



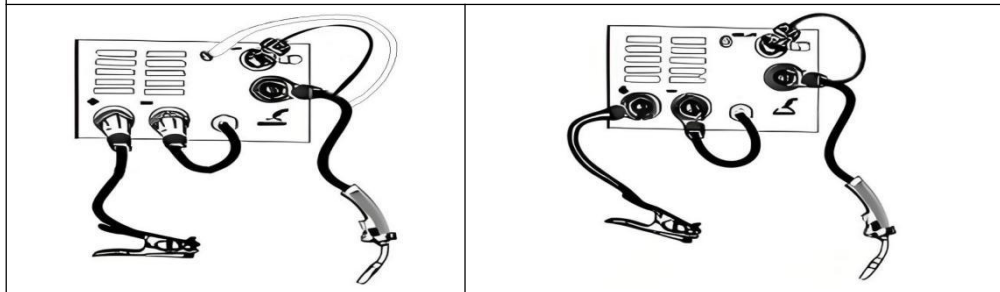
FCAW/Animate Autoprotette (CCEN)

RBM1450/1600

RBM2100 MAX/RBM2500(D)(PRO)(MAX)



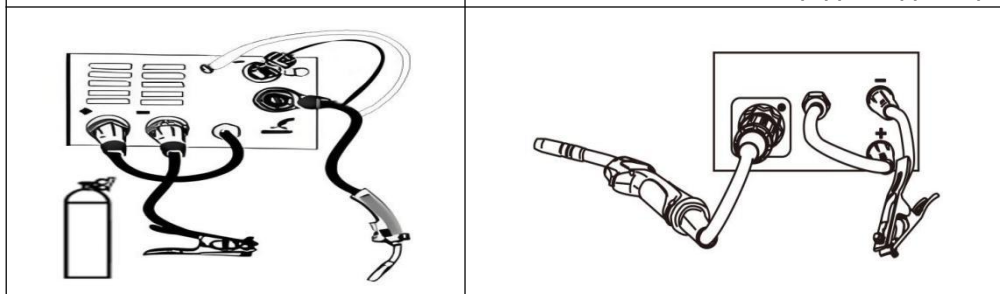
RBM2000/2100 - FCAW (CCEN)



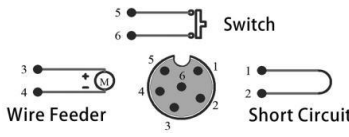
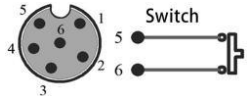
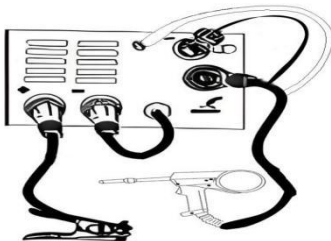
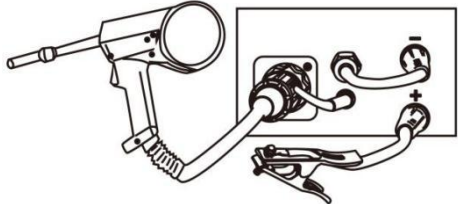
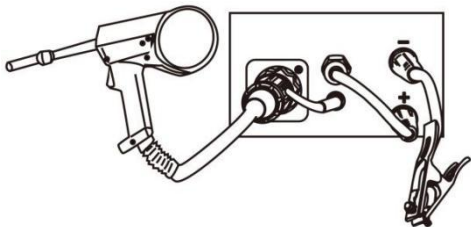
MIG/MAG/GMAW (CCEP)

RBM2000/2100

RBM2100 MAX/RBM2500(D)(PRO)(MAX)



6. Interfaccia della Pistola con Bobina

Configurazione Cablaggio Interruttore		
Connettore Aeronautico 6 Pin	Pistola a Bobina per Tutti	Pistola MIG per RBM2000
		
Rulli di Alimentazione		
Gola a U per Al	Gola a V per GMAW	Gola zigrinata per FCAW
Pistola a Bobina		
FCAW/Animate Autoprotette (CCEN) con Pistola a Bobina		
RBM2000	RBM2100 MAX/RBM2500(D)(PRO)(MAX)	
		
MIG/MAG/GMAW (CCEP) con Pistola a Bobina		
RBM2000	RBM2100 MAX/RBM2500(D)(PRO)(MAX)	
		

7.Manuale Professionale e Conciso

MANUTENZIONE, RISOLUZIONE DEI PROBLEMI & ANALISI DEI GUASTI		
1	Manutenzione Preventiva	
1.1	Ispezione Periodica: Ispezionare periodicamente tutte le connessioni interne dei cavi per verificare il contatto sicuro e il corretto percorso. Controllare la corrosione o l'allentamento, specialmente sui connettori a innesto. Pulire la corrosione con carta vetrata, ricollegare e serrare i dispositivi di fissaggio.	
1.2	Pulizia: Utilizzare aria compressa pulita e asciutta a pressione moderata per rimuovere l'accumulo di polvere. Se utilizzata in ambienti fumosi o inquinati, pulire l'interno quotidianamente.	
1.3	Protezione dall'Umidità: Prevenire l'ingresso di acqua o umidità. In caso di contatto, asciugare accuratamente l'unità. Verificare l'integrità dell'isolamento con un megohmetro prima della riattivazione.	
1.4	Ispezione Cavi: Controllare regolarmente tutti i cavi per danni all'isolamento. Riparare con nastro isolante o sostituire immediatamente..	
1.5	Conservazione: Per periodi di inattività prolungati, reimballare e conservare in un ambiente asciutto.	
	ATTENZIONE:TUTTA LA MANUTENZIONE DEVE ESSERE ESEGUITA DA UN ELETTRICISTA QUALIFICATO CON LA MACCHINA DISCONNESSA DALL'ALIMENTAZIONE ELETTRICA.	
2	Guida alla Risoluzione dei Problemi	
Sintomo	Possibile Causa	Azione Correttiva
Nessuna Alimentazione	Interruttore di alimentazione SPENTO;Nessuna tensione di rete.	1.Verificare che l'interruttore di alimentazione sia acceso (ON).
		2.Confermare la presenza della tensione di rete.
Arco Instabile / Corrente Fluttuante	Consumabili di scarsa qualità/ossidati; Connessioni allentate.	1.Utilizzare consumabili di qualità; pulire la ruggine.
		2. Controllare e serrare tutte le connessioni (spine, morsetti).
Nessuna Uscita	1. Guasto connessione interna.	1. Controllare i cavi a innesto interni.

(Ventola e Display OK)	2.Circuito di uscita aperto.	2.Ispezionare le connessioni del cavo di uscita.
	3.Protezione termica attiva.	3.Lasciar raffreddare l'unità; controllare l'interruttore termico.
Schizzi Eccessivi	Polarità errata.	Invertire la polarità di uscita (portaelettrodo vs. pinza di massa).
Torcia Surriscaldata	Torcia con portata nominale inferiore alla corrente di esercizio.	Sostituirla con una torcia con portata nominale superiore.

3 Diagnostica e Risoluzione Problemi di Saldatura

I fenomeni possono essere correlati ad accessori, gas, ambiente o alimentazione elettrica.

Problema:Difficoltà ad avviare l'arco / Instabilità dell'arco.

Causa:Consumabili ossidati; Fluttuazione della tensione di rete; Interferenze Elettromagnetiche (EMI) severe.

Azione:Migliorare qualità/immagazzinamento consumabili; Verificare stabilità alimentazione.

Per SMAW (Elettrodo):Provare a invertire la polarità del portaelettrodo e della pinza di massa.

AVVERTENZA:SE IL PROBLEMA PERSISTE, CONTATTARE IL FORNITORE O L'ASSISTENZA CLIENTI FUERMU. NON TENTARE RIPARAZIONI INTERNE SENZA LA QUALIFICA ADEGUATA.

Il presente documento è soggetto a modifiche senza preavviso a causa del continuo miglioramento del prodotto.