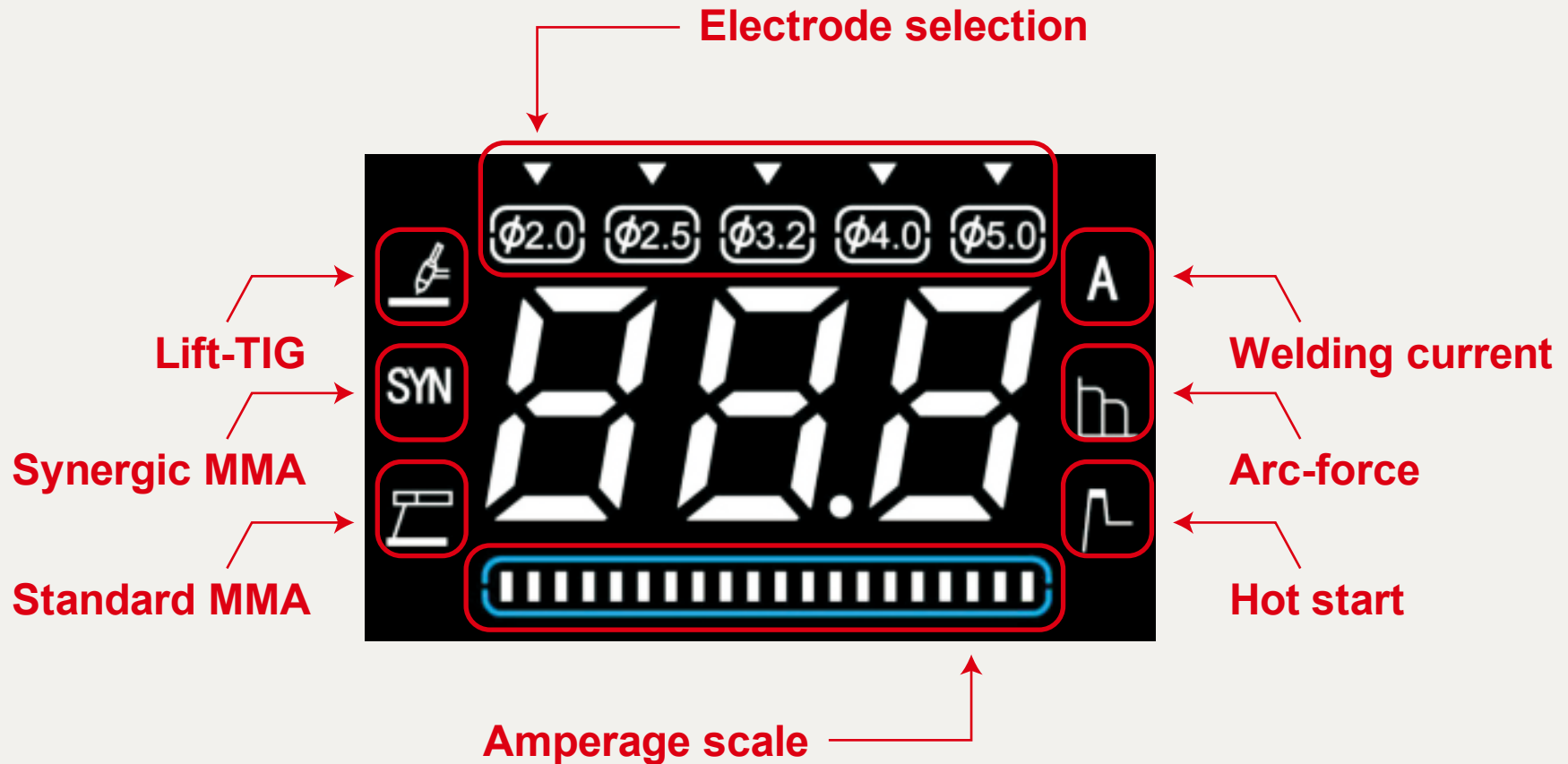# A New Welding Machine With LED Screen

ARC 200/180/160/120

1. Built-in expert database enables synergic welding.

2. **LED** screen enriches visual effect and operation experience.

3. Input voltage of AC150~280V enables stable welding.

4. OCV is up to 78V which enables to weld cellulose electrode.

5. Output cable can be lengthened to 200m.

6. Inclined arc force enables smooth welding.

A New Welding Machine
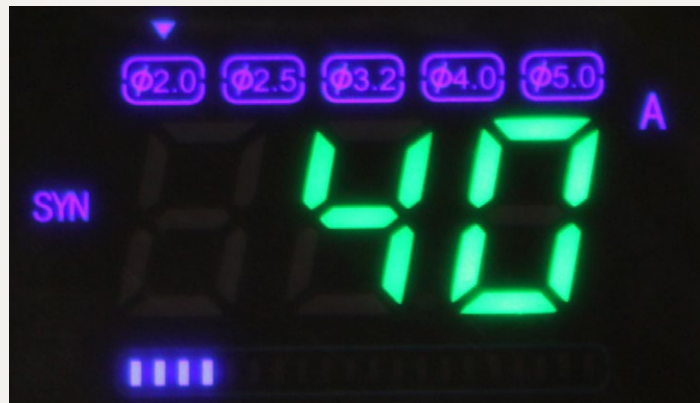With LED Screen

Technical Parameters

Technical parameters	Units	Model			
		ARC120	ARC160	ARC180	ARC200
Rated input voltage	V	AC220V±15% 50/60HZ			
Rated input power capacity	KVA	5	7.1	8.2	9.4
Output current range (MMA)	A	20~120	20~160	20~180	20~200
	V	20.4~24.8	20.4~26.4	20.4~27.2	20.4~28
Output current range (TIG)	A	20~120	20~160	20~180	20~200
	V	10.4~14.8	10.4~16.4	10.4~17.2	10.4~18
Rated duty cycle @40℃	%	25%	25%	30%	25%
No-load voltage	V	78	78	78	78
Efficiency	%	85	85	85	85
Power factor	cosφ	0.7	0.7	0.7	0.7
Protection class		IP21S	IP21S	IP21S	IP21S
Insulation class		F	F	F	F
Standard		EN60974-1	EN60974-1	EN60974-1	EN60974-1
Noise	db	<70	<70	<70	<70
Dimension	mm	295×120×212	347×120×212	380×120×212	380×120×212
Weight	kg	3.05	3.76	4.20	4.27
Weldable electrode	mm	1.6-3.2	1.6-4.0	2.0-5.0	2.0-5.0

A New Welding Machine
With LED Screen

LED Screen

Electrode selection

Lift-TIG

Synergic MMA

Standard MMA

A

Welding current

Arc-force

Hot start
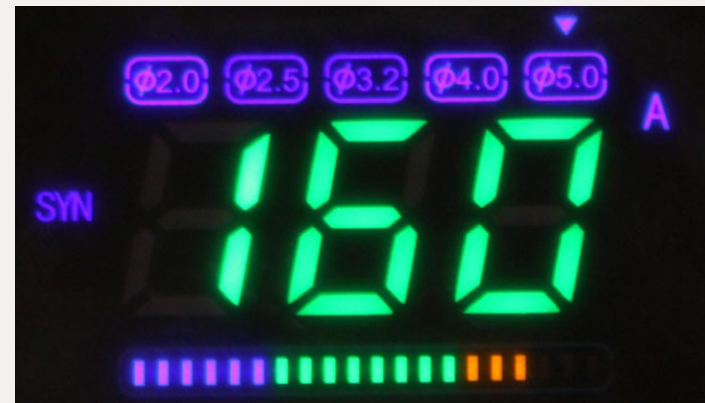
Amperage scale

Φ2.0 Φ2.5 Φ3.2 Φ4.0 Φ5.0

SYN

Synergic MMA

After "SYN" and electrode diameter are selected, suitable welding current, arc-force current and hot start will be set automatically by built-in expert database.

Synergic Φ 2.0 electrode

Synergic Φ 5.0 electrode

Switchable VRD and Anti-stick

Combination key to be pressed for 3 seconds can switch on and off VRD/Anti-stick.

A-1: Anti-stick ON
A-0: Anti-stick OFF

U-1: VRD ON
U-0: VRD OFF

A New Welding Machine
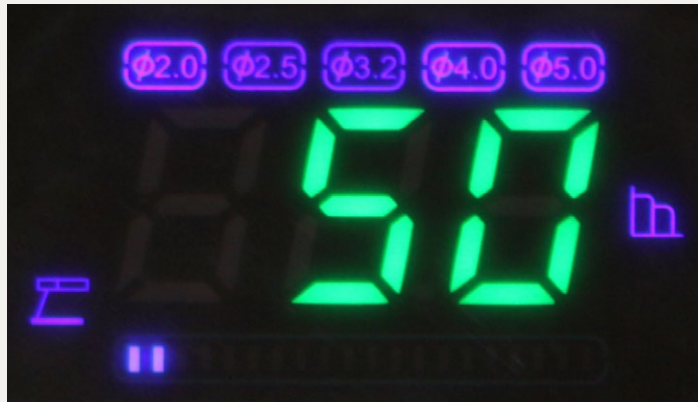With LED Screen

Excellent Welding Performance

Output cable can be lengthened to **200m** with stable welding. (AC230V input 25mm2 pure copper output cable)

Welding can be stable when input voltage is AC**150~280V**.

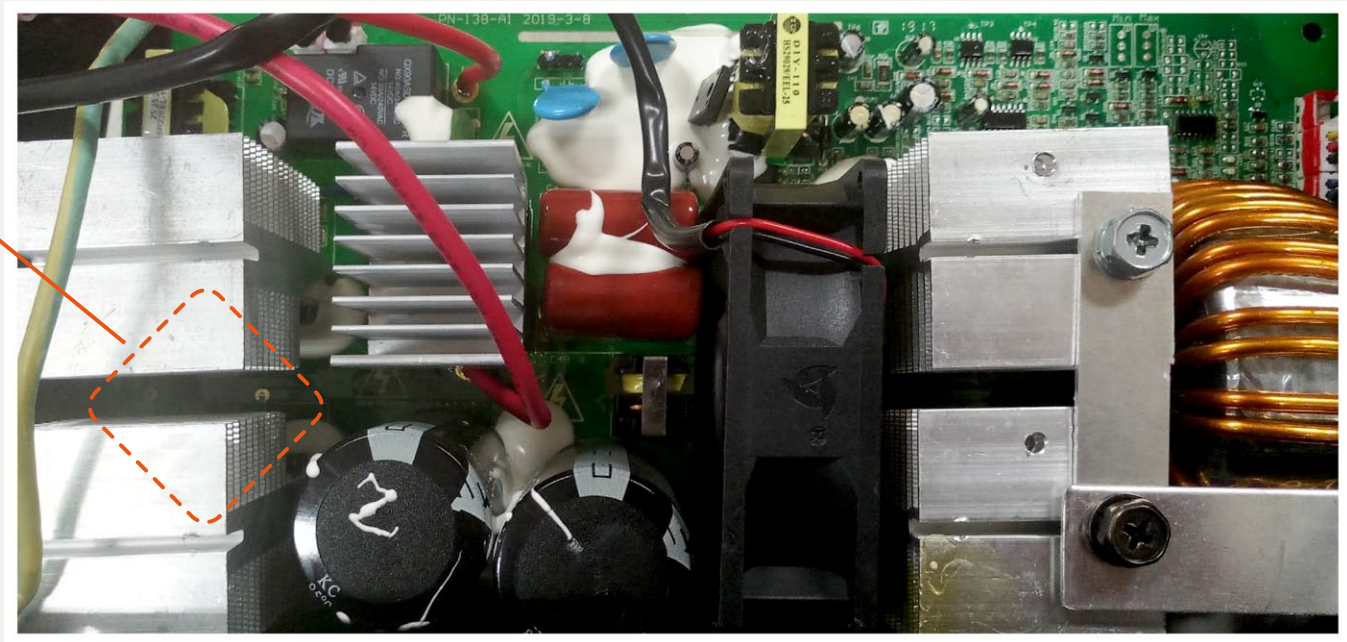OCV is up to **78V** which enables to weld cellulose electrode.

A New Welding Machine
With **LED** Screen

Excellent Welding Performance

With inclined arc-force setting, arc-force current can be self adaptive based on arc length to enable smooth welding.

High Reliability

IGBT/FRD pins to be sealed and key parts to be glued can be dustproof, moisture-proof and firm to enhance reliability.

ARC 200/180/160/120

A New Welding Machine With LED Screen

SHENZHEN JASIC TECHNOLOGY CO., LTD.