

PROFESSIONAL IN WELDING

ProMIG-250SYN Pulse

Simple, Synergy, Pulse MIG

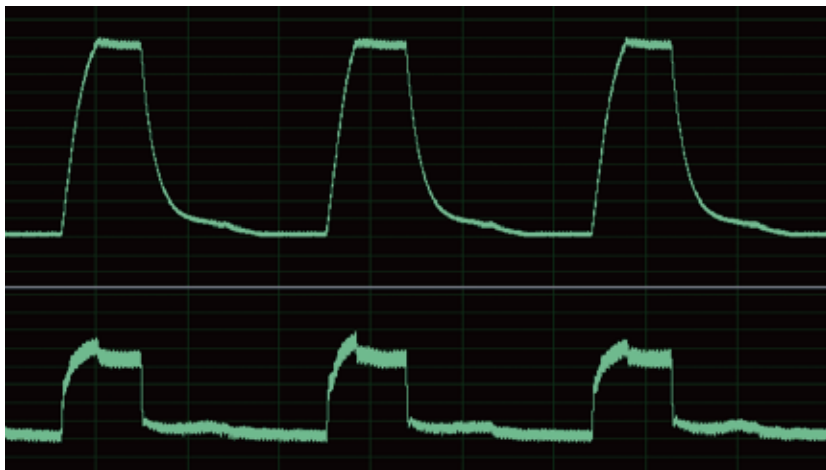
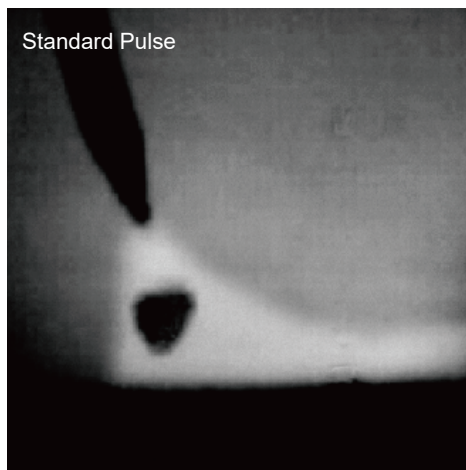


Full IGBT Modules Structure | True Multi-process | Synergy with JOB-LISTS | Dynamic Control | Aluminum welding expert

Excellent Pulse MIG Performance

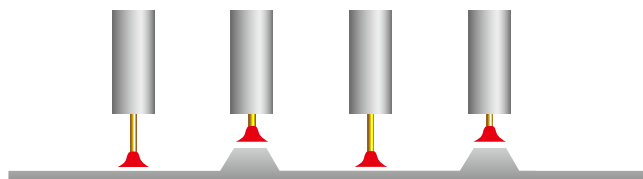
The Pulse MIG process works by forming one droplet of molten metal at the end of the electrode per pulse. Then, just the right amount of current is added to push that one droplet across the arc and into the puddle. The transfer of these droplets occurs through the arc, one droplet per pulse.

With the advanced Pulse MIG, you can easily get a cosmetically pleasing weld seam, with significantly lower and more controller heat input into the workpiece. It results in much lower distortion and less rework, very suitable for welding the thin Aluminum sheets.



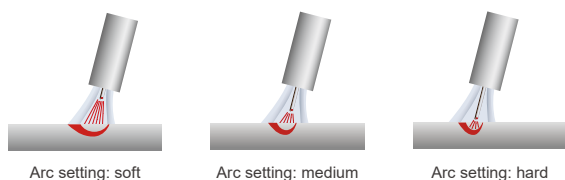
Arc Length control

By changing the distance between torch and workpiece. You can now react much more easily to control the arc, such as changing gap dimensions or arc blow, more intuitively and with greater efficiency !



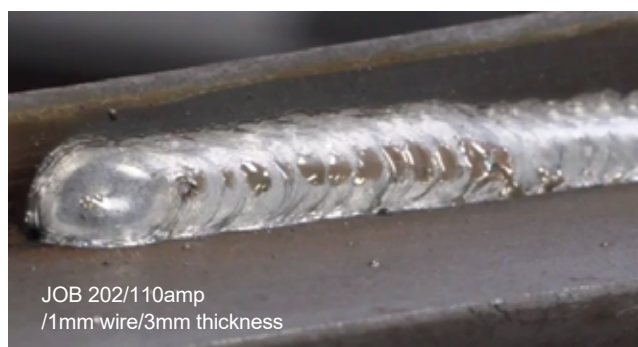
Dynamic control

Dynamic control allows the welder, for the first time, to variably adjust a pulse welding machine to a wide range of jobs and welding positions as well as to his personal preferences. The welder can use a controller to directly access the arc characteristic and change it from soft to hard.



Ultra-low Spatters For Mild Steel

ProMIG-250SYN Pulse is not just an aluminum welding expert, it also has nice results on M.S/S.S welding. With the advanced welding curves from Master's JOBS-LIST(short-circuit transfer), there is ultra-low spatters while welding M.S and save your time for secondary work.



Simple Operation

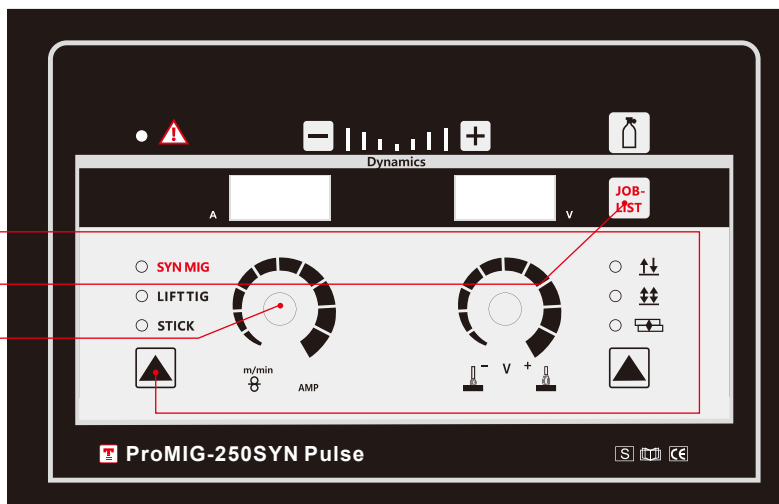
3 Steps to achieve weld perfection

1. Select operation mode

2. Select Job-list No.

3. Adjust welding current

(always the perfect setting by the synergic function using the material thickness)



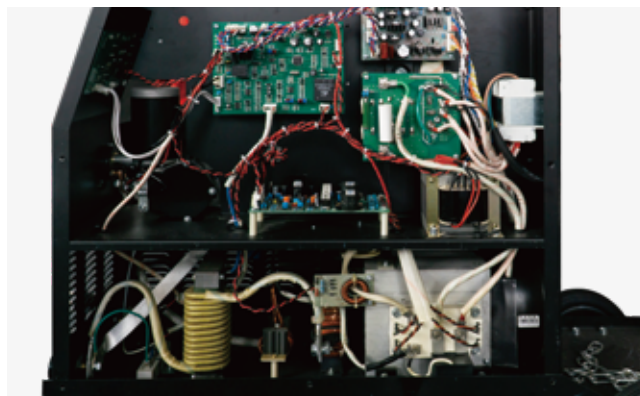
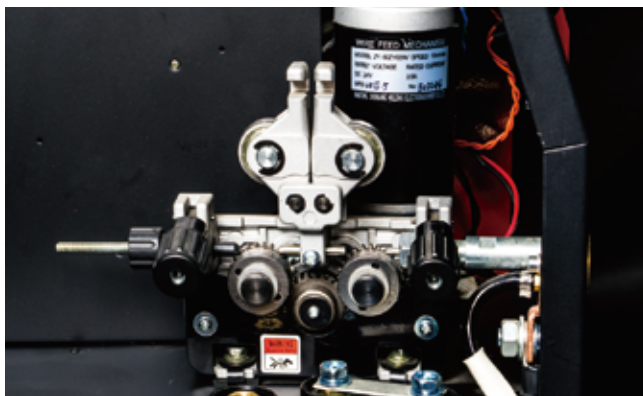
Synergy control with job-list

The Job-lists display is easily and intuitively controlled through its graphical user interface. We assembled the perfect welding curve in every Job-No. for highly efficient multi-process welding of carbon steels and stainless steel and aluminum alloys. Operation is easier than ever before.

JOBS-list						
Material	Gas	Wire				
		0.6	0.8	0.9	1.0	1.2
		JOBS No.				
Fe	100%CO ₂	101	102	/	104	/
	82%Ar 18%CO ₂	201	202	/	204	/
S.S	98%Ar 2%CO ₂	/	302	/	304	/
		/	/	/	/	/
Al	100%Ar	/	/	/	504	505
		/	/	/	604	605
Flux Cored	Self-shield	/	702	/	704	/

Reliability and Powerful

Reliability and powerful, it's the base of the outstanding performance. ProMIG-250SYN Pulse uses full IGBT Modules Structure. With that it is more reliable than ever and extremely promote the peak amperage up to 450Amps. 4-rollers wire feeder ensures an accurate wire feeding speed to meet the powerful output. Besides, the whole inside structure is tidy and clear, every components are at the right place. It will keep the cooling wind pass through every parts and increase their stability and service life greatly.



Specifications

Item No	ProMIG-250SYN Pulse
Rated Input Voltage	1PH ~ 230V \pm 15%/3PH ~ 400V \pm 15%
Max. Load Power Capacity	11.72KVA
Rated Duty Cycle(40 °C) 60%	MIG: 250A/26.5V
	MMA: 250A/30V
	TIG: 250A/20V
100%	MIG: 200A/24V
	MMA: 200A/28V
	TIG: 200A/18V
Welding Current/Voltage Range	MIG: 10A/14.5V ~250A/26.5V
	MMA: 20A/20.8V~250A/30V
	TIG: 5A/10.2V~250A/20V
Open Circuit Voltage	70V~80V
Power Factor	0.8
Efficiency	80%
Pre-Gas Time	0.1-10s
Flow-Gas Time	0.1-10s
Wire-feed Mechanism	4 Rollers
Wire-feed Speed Range	0-25m/min
Wire Spool Capacity	300mm (15kg)
Filler Wires (mm) for Fe :	0.8~1.2mm
For Stainless steel:	0.8~1.2mm
For Aluminum:	0.8~1.2mm
Dimension	790x250x650mm
Weight	32KG

Standard Accessories



Parker SGB240A/3M
(With Graphite liner for aluminum)



Electrode holder and Earth
clamp/2m



U groove roller



V groove roller



Liner for Mild Steel

Optional Accessories



MIG welding consumable kit
(20*Contact tips, 2*Nozzle, 2*contact
tip holder, 2*gas diffuser)



Argon regulator: BK-169B



Traditional Stick / MIG Welding Gloves
BK2203



Heavy Duty Stick / MIG Welding Gloves
BK2201



Premium MIG Welding Gloves
BK2202



TIG-26/4M



Premium welding helmet:
BK1101



Welding Jacket: BK2102



Welding Apron: BK2101



Welding Doo Rag: BK2301



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