



PROFESSIONAL IN WELDING

# PROMIG-200SYN Pulse

Portable, Synergy, True Pulse MIG



Pulse MIG for AL | Synergy with JOBS-LIST | Multi-processes | Portable for outside repairs

## Quick Specs

Input Voltage	1PH ~ 230V ±15%
Output Range	10A ~ 200A
Rated Output(40 °C) 35%	200A / 28V
Net Weight	20kg
Wire Feeder	4-Rollers

### Machines Processes

Stick (SMAW)  
Flux-Cored (FCAW)  
MIG (GMAW)  
Pulsed MIG (GMAW-P)

### Industrial Applications

Light fabrication  
Maintenance and repair  
Auto body  
Farm/home



## Advanced Features

### • Multi-Process Capable

Able to do Flux-cored, Stick, Lift-TIG, Pulse MIG, advanced MIG for M.S/S.S.

### • Pulse MIG Process

Welds 4XXX and 5XXX series Aluminum and Mild Steel for superior quality welding.

### • Advanced Performance For Mild Steel

Delivers less spatters, less rework than before.

### • Synergic Control

Set weld procedures with one control. Just easily takes 3 Steps to achieve weld perfection.

### • Dynamic Control

Controls the welding arc cone width from a softer arc to a harder arc.

### • Arc Length Control

By changing the distance between torch and workpiece for an easier operation.

### • Professional 4-Rollers Drive System

Allows for constant wire feed speed and consistent welds.

## MULTI-PROCESS

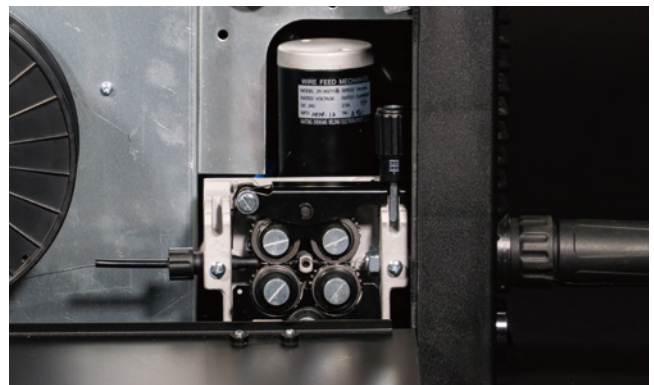
Many machines claim they are multi-process, but are little more than a MIG machine in disguise. ProMIG-200SYN Pulse is a true multi-process welder, which means whether you are welding MIG/MAG with solid or Flux-Cored wire, MMA – even the most tricky electrodes – or Lift TIG, ProMIG-200SYN Pulse will perform like it was born to run that process.

- Professional-grade MIG performance, including flux-cored
- Excellent MMA performance
- Exceptional lift TIG performance down to 5A



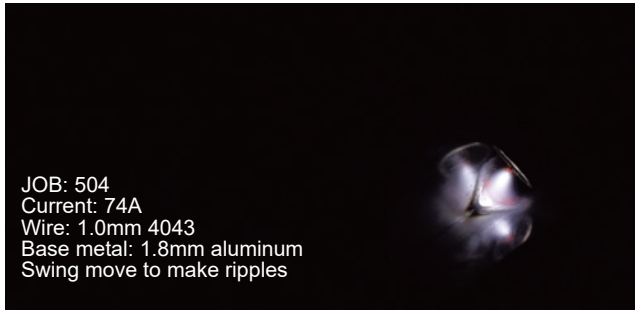
## Professional 4-Rollers Wire Feeder

Four-rollers drive systems deliver the electrode to the welding torch. It provides a stable wire speed and is popular for industrial applications.



## Pulse MIG

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.

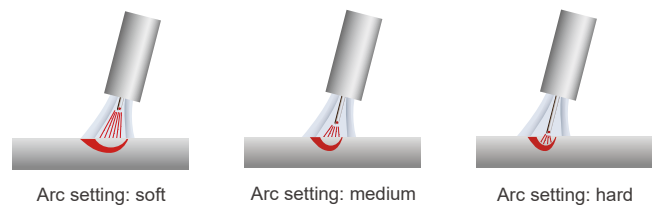


With the advanced Pulse MIG, you can easily get a cosmetically pleasing weld seam, with significantly lower and more controlled heat input into the workpiece. It results in much lower distortion and less rework, very suitable for welding the thin Aluminum sheets.

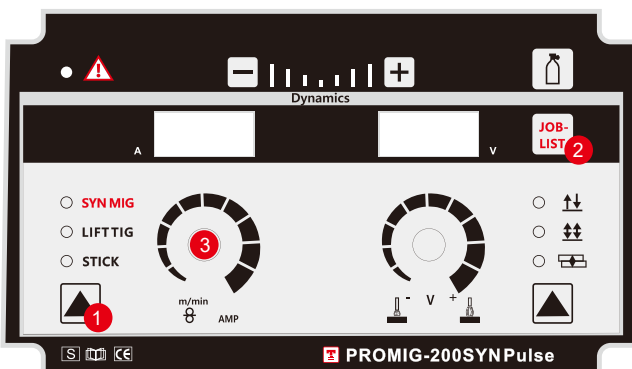


## Dynamic control

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.



## 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)

JOBS-list						
Material	Gas	Wire				
		0.6	0.8	0.9	1.0	1.2
		JOBS No.				
Fe	100%CO <sub>2</sub>	101	102	/	104	/
	82%Ar 18%CO <sub>2</sub>	201	202	/	204	/
S.S	308	/	302	/	/	/
	316	/	/	/	/	/
Al	4043	/	502	/	504	/
	5356	/	/	/	604	/
Flux Cored	Self-shield	/	/	/	704	/

### 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 aluminum alloys. Operation is easier than ever before.



## Specifications

Item No	PROMIG-200SYN Pulse
Rated Input Voltage	1PH ~ 230V ±15%
Max. Load Power Capacity	8.75KVA
Rated Duty Cycle(40℃) 35%	MIG: 200A/24V
	MMA: 200A/28V
	TIG: 200A/18V
100%	MIG: 130A/20.5V
	MMA: 130A/25.2V
	TIG: 130A/15.2V
Welding Current/Voltage Range	MIG: 10A/14.5V ~200A/24V
	MMA: 20A/20.8V~200A/28V
	TIG: 5A/10.2V~200A/18V
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	0.1- 22m/min
Wire Spool Capacity	200mm (5kg)
Filler Wires Ø (mm) Fe, Ss,AL	0.6~1.0 mm
Dimension	490x230x385mm
Weight	20KG



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