

# PROMIG-200SYN/200SYN Pulse

Versatile and synergy tool for the portable welder



## Quick Specs

- ◆ **Processes:**  
MIG/MAG, Flux-Cored,  
Pulse MIG,  
TIG, MMA(Stick)
- ◆ **Input Power:**  
200-240V/1-PH/50-60Hz
- ◆ **Rated Output at 40°C (104°F):**  
200A/24V/60%
- ◆ **Applications:**  
Metal Fabrication,  
Maintenance and Repair

## TOP Features:

- ✓ **The True Multi-process** welder will performs MIG/MAG with solid or flux-cored wire, stick and TIG like it was born to run that process.
- ✓ **Synergy with JOB-LISTS** covers different metal materials, different wire diameters and different shield gases, easily welds mild steel, stainless steel and aluminum.
- ✓ **Built-in featured waveform** constantly monitors complex arc characteristics adapting to your technique to provide a smooth, stable arc and superior, repeatable welds.
- ✓ **Dynamic Control** controls the welding arc cone width, a slightly softer arc or a slightly harder arc depends on your preference and application.
- ✓ **Produces less spatter.**
- ✓ **True high deposition rate.**
- ✓ **2T or 4T selection.**
- ✓ **Spot welding function.**

# TRUE MULTI-PROCESS

Many machines claim they are multi-process, but are little more than a MIG machine in disguise. PROMIG-200SYN/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/200SYN Pulse will perform like it was born to run that process.

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



# TRUE MULTI-MATERIAL

Model	Mild Steel	Stainless Steel	Aluminum	Wire Dia (Steel)	Wire Dia (Aluminum)	Metal plate thickness
PROMIG-200SYN	✓			0.6/0.8/1.0		≥2MM
PROMIG-200SYN Pulse	✓	✓	✓	0.6/0.8/1.0	0.8/1.0/1.2	≥2MM

# True Synergy with JOB-LISTS

With thousands of welding jobs, we built the True Synergy with JOB-LISTS. It covers different metal materials, different wire diameters and different shield gases. After setting wire feeding amperage regarding to the wire feeding guide, the PROMIG-200SYN/200SYN Pulse will automatically match the best waveform to make your welding comfortable and excellent!

## 1. Select Job-list number



		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	103	104	/
	80%Ar 2%CO <sub>2</sub>	201	202	203	204	/
S.S	98%Ar 2%CO <sub>2</sub>	301	302	303	304	/
Al	100%Ar	/	402	403	404	405
Flux Cored	Self-shield	/	502	503	504	505

## 2. Set wire feeding amperage



## 3. Start welding and PROMIG does the rest

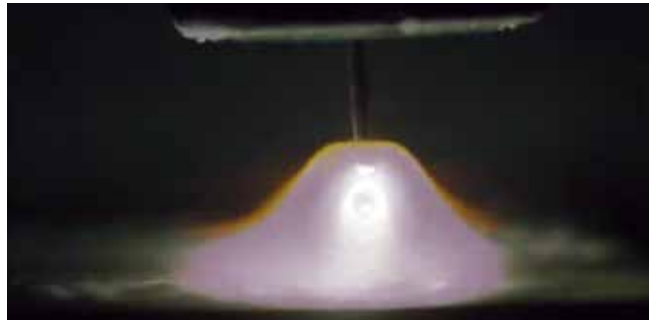






## Pulse MIG (Pulse version only)

- ◆ The pulsed 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 in to the puddle. The transfer of these droplets occurs through the arc, one droplet per pulse.
- ◆ Reduced levels of heat induced distortion.
- ◆ Excellent weld bead appearance.



## Dynamic control

Arc setting: soft



Dynamics

Arc setting: medium



Dynamics

Arc setting: hard



Dynamics

## Dynamic control with a push of a button

You know how it is from experience. Every transformer system has its own unique characteristics. One system produces a slightly softer arc, while the next generates a slightly harder arc. More importantly, every welder has his own preference in terms of what he considers to be the perfect arc: softer and longer, shorter and harder or somewhere in between. This calls for a level of distinction that a transformer systems simply cannot realize. Our system allows you to individually adjust the dynamics of the arc to suit the work and welding position at hand and will find the simplest and fastest arc setting that is most suitable in each case. The rest of the job is carried out by the intelligent arc control technology incorporated into the background to achieve a perfect weld seam every time.

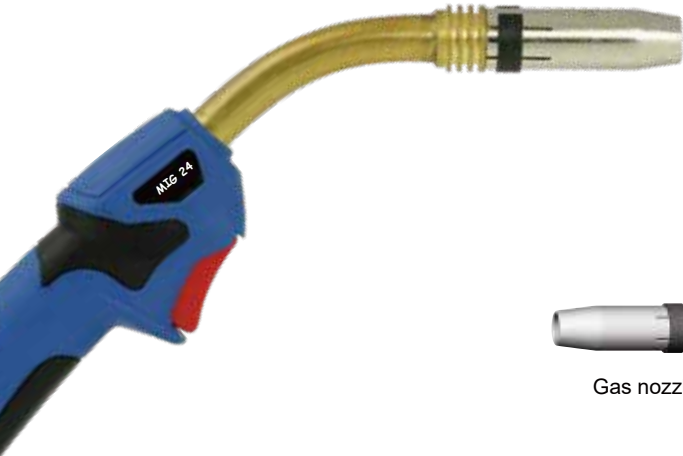
## Technical Specifications

Item No	PROMIG-200SYN	PROMIG-200SYN Pulse
Rated Input Voltage	1PH ~ 230V ±15%	1PH ~ 230V ±15%
Max. Load Power Capacity	8.75KVA	8.75KVA
Rated Duty Cycle(40°C) 60%	MIG: 200A/24V	MIG: 200A/24V
	MMA: 200A/28V	MMA: 200A/28V
	TIG: 200A/18V	TIG: 200A/18V
100%	MIG: 160A/22V	MIG: 160A/22V
	MMA: 160A/26.4V	MMA: 160A/26.4V
	TIG: 160A/16.4V	TIG: 160A/16.4V
Welding Current/Voltage Range	MIG: 10A/14.5V ~200A/24V	MIG: 10A/14.5V ~200A/24V
	MMA: 20A/20.8V~200A/28V	MMA: 20A/20.8V~200A/28V
	TIG: 5A/10.2V~200A/18V	TIG: 5A/10.2V~200A/18V
Open Circuit Voltage	70V~80V	70V~80V
Power Factor	0.8	0.8
Efficiency	80%	80%
Pre-Gas Time	Preset	Preset
Flow-Gas Time	Preset	Preset
Wire-feed Mechanism	2 Rollers	2 Rollers
Wire-feed Speed Range	2-18m/min	2-18m/min
Wire Spool Capacity	200mm (5kg)	200mm (5kg)
Filler Wires (mm) for Fe :	0.6~1.0 mm	0.6~1.0 mm
For Stainless steel:	/	0.6~1.0 mm
For Aluminum:	/	0.8~1.2 mm
Dimension	540x230x480mm	540x230x480mm
Weight	20KG	20KG

# Accessories

## Standard accessories

MIG-24



Gas nozzle



Contact tip



Contact tip holder



Gas diffuser



Electrode holder with cable 2M  
Earth clamp with cable 2M

### Technical data (EN 60 974-7):

Rating:	250 A CO <sub>2</sub>
	220 A mixed gas M21
	(DIN EN ISO 14175)
Duty cycle:	60 %
Wire size:	Φ 0.8 – 1.2 mm

## Optional accessories

BINZEL MB EVO PRO 24



Argon gas regular  
or CO<sub>2</sub> gas regular with heater



Spool gun:  
QLBF-200/8M



TIG torch: TIG-26



Push-pull Troch:  
QLTB-24KD/36KD

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Rating:	250 A CO <sub>2</sub>
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