

Multi-Process

MIG 165/185/205GDM

Economic, Compact, Efficient, 5 IN 1 MIG Welder, Spool gun ready



- IGBT inverter, equipped with exclusive chip-RICHIP, drives powerful welding performance.
- 5 in 1 Multi-process: Gas MIG, Gas-less MIG, Spool-Gun MIG, MMA & Lift- TIG.
- Segment code screen easy shows and adjust the welding parameter, Inductance and Arc length can be micro adjusted., standard with 2T/4T function..
- Expert parameters built-in. Synergic control the voltage and current for easy and better welding.
- Stable welding performance on small current around 40A, which enhance the capacity to weld thinner metal, even 0.8mm sheet.
- VRD, hot start and arc force function built-in, make you enjoy welding with desired welding shape.
- Spool gun adaptive, enrich the compatibility for more demands, such as Aluminum.
- Wire inching function act as you press the trigger about 3s under no load.
- Fan as needed, reduce noise and dust inside the machine.
- Intelligent protection: over-current, over-voltage, over heating protection.

Control panel

Simple and easy to operate, you can choose Gas MIG, Gas-less MIG, Spool-Gun MIG, MMA & Lift- TIG processes as you want. Under MIG Mode, Inductance and Arc length fine adjusted, and 2T/4T function will be helpful for welding.



*The picture is for reference only, please refer to the actual product.

Base Units Include

- 1 PC Inverter power source with 2.5m input power cord and power plug.
- 1 PC Power Adapter.
- 1 PC MIG torch, 2.5m cable with Euro connector.
- 1 PC Stick electrode holder, 3m cable with Euro plug.
- 1 PC Earth clamp, 2m cable with Euro plug.
- 1 PC Gas hose, 2m.
- 2 PCS Hose clamp.
- 1 PC Steel brush-Hammer
- 1 PC Extra 0.030"(0.8mm)-0.035"(0.9mm) Knurl roller.

Key Option

- Auto-Darkening Welding Helmet
- TIG 17V 4m torch.
- Spool gun, 5m.

Technical data

Type Item	MIG 165GDM	MIG 185GDM	MIG 205GDM
Power voltage (V)	1 phase 230V±15%	1 phase 230V±15%	1 phase 230V±15%
Frequency (Hz)	50/60	50/60	50/60
Rated input current (A)	27 (MIG) 20 (TIG) 27.2 (MMA)	31 (MIG) 24 (TIG) 31 (MMA)	35.5 (MIG) 28 (TIG) 32 (MMA)
Output current adjustment (A)	40 - 160 (MIG) 10 - 160 (TIG) 20 - 140 (MMA)	40 - 180 (MIG) 10 - 180 (TIG) 20 - 160 (MMA)	40 - 200 (MIG) 10 - 200 (TIG) 20 - 170 (MMA)
Output voltage range (V)	16 - 22 (MIG) 10.4 - 16.4 (TIG) 20.8 - 25.6 (MMA)	16 - 23 (MIG) 10.4 - 17.2 (TIG) 20.8 - 26.4 (MMA)	16 - 24 (MIG) 10.4 - 18 (TIG) 20.8 - 26.8 (MMA)
Duty cycle (%) / 40°C	20%	20%	20%
No-load voltage(V)	61	61	61
Power factor	0.73	0.73	0.73
Efficiency (%)	≥80%	≥80%	≥80%
Type of wire feeder	Internal	Internal	Internal
Wire feed speed (m/min)	3-10m/min	3-11m/min	3-12m/min
Post flow time (S)	3	3	3
Welding wire diameter (mm)	0.8/ (0.9) /1.0mm	0.8/ (0.9) /1.0mm	0.8/ (0.9) /1.0mm
Insulation grade	F	F	F
Housing protection grade	IP21	IP21	IP21
Welding thickness (mm)	More than 0.8mm	More than 0.8mm	More than 0.8mm
Weight (Kg)	8	8.3	8.3
Overall dimension (mm)	436*195*345	436*195*345	436*195*345

Application specification

Light industrial steel structure, Machinery maintenance, Equipment manufacturing, mild steel, Stainless steel, alloyed steel, Aluminum etc

Welding current reference

Item	Welding Process	Thickness (mm)	Electrode dia. (mm)
Carbon steel, low alloy steel, Aluminum and Stainless steel	MMA/Stick	>1.0	2.0/2.5/3.2(4.0)
	MIG	>0.8	0.6/0.8/(0.9)/1.0
	Spool-gun MIG	>1.0	(0.9)1.0/1.2 (Aluminum)
	Lift-TIG	>0.5	1.6/2.0/2.4