



MIGDP 200 ACDC (8 in 1)

Range marks a significant advancement in welding technology by offering MCU control system, large LCD display, superior performance, high duty cycle, efficiency, and versatility in a compact and user-friendly package. This range is suitable for professional welding purpose, highly quality welding job and heavy duty industry.

Power Factor Correction (PFC)/Multi Input Voltage/Portability/Stable Arc/Versatility/Precise Settings/Start-up Performance/2T/4T/Fan on demand/Foot remote control/Pulsed Mig/Synergic Mig/Manual Mig/Flux-Cored Mig welding/Spool gun/Push Pull torch make MIGDP 200ACDC popular choices among welders looking for efficiency, portability, and enhanced welding performance in various applications.

Machine Features



Power Factor Correction (PFC)

Comes with 0.99 Power factor, this allows for improvement of power efficiency, stable voltage input, compliance with power supply standards and optimized use of power supply capacity. It is more energy-efficient, converting more of the input power into usable welding energy, which can result in lower operating costs.



Multi Input Voltage

1-230V wide input voltage operates over a wider range of input voltages, which is beneficial in various working conditions and locations.



Precise Settings

LCD display offers more precise control over welding parameters such as amperage and arc characteristics, allowing for better adaptation to different materials and thicknesses.



Portability

It is 20 kgs, it is typically smaller, lighter, and more compact than traditional welding machines, making them easier to transport and maneuver.



Stable Arc

Inverter technology often provides a more stable arc, which can lead to better weld quality and control.



Versatility

It can handle a variety of welding processes (Pulsed Mig, Synergic Mig, Mig Manual, Lift Tig, Stick, Stick VRD, Spool gun) with suitable accessories, increasing their versatility.



Start-up Performance

It often has superior start-up characteristics, providing instant arc ignition and minimizing sticking during welding.



Spool gun

Spool gun reduces feeding issues, improves control, minimizes oxidation. It is portable and suitable for thin materials. It is suitable for automotive repairs and fabrication of aluminum.



Fan on demand

Provides energy efficiency, reduced noise level and improved reliability.



Machine details:

Welding cable and electrode holder

Welding cables are flexible, highly quality insulation and heavy-duty cables designed to carry the electric current from the power source to the electrode holder and ultimately to the workpiece. High insulation, jaw mechanism and heat resistance ensure efficient welding operation and electrode performance.

Cable section can be selected from 6mm² to 120mm².

Color of PVC jacket can be customized. Electrode holder types can be customized.



MIG 15AK-Torch

MIG15AK is a smaller and more compact torch with air-cooled, suitable for light to medium-duty welding tasks. It is often used for precision work and in applications where space is limited.



MIG 25AK-Torch

MIG25AK is slightly larger than the MIG15 AK but still relatively compact with air-cooled, Designed for medium-duty welding tasks. It provides better cooling and durability compared to the MIG15 AK, making it suitable for a wider range of applications.



DIGIMIG-Torch

DIGIMIG torch incorporates digital technology for enhanced control and performance. The digital display and control pad allows welders to adjust welding settings more precisely while welding. The performance of torch cable offers outstanding flexibility and highest heat and abrasion resistance.



Dual Gauge Regulator Gas Hose

Durable gas hose with gas fittings



Earth cable and earth clamp

Earth cable and earth clamp play critical roles in electrical safety by providing reliable grounding connections to protect personnel, equipment and facilities from electrical hazards and ensure proper functioning of electrical and welding system.

Cable section can be selected from 6mm² to 120mm².

Color of PVC jacket can be customized. Earth clamp types can be customized.



TIG 17-Torch

TIG 17 torch is generally a smaller and more compact torch. It typically features a smaller diameter handle and nozzle, making it suitable for welding in tight spaces. The TIG17 is often used for light to medium-duty applications. It is ideal for applications where control and maneuverability are important.



Spool Gun

Spool gun is designed to feed softer aluminum wire smoothly, reducing the risk of wire jamming or birdnesting that can occur with standard MIG guns. It is suitable for automotive repairs and fabrication of aluminum.



Foot Remote Control

Foot remote control can withstand rugged industrial environments. It is constructed from durable metal, it provides hands-free operation and precision control.

Reliability



275Volts tested in production



Moisture proof
Salt Spray proof
Corrosion proof



Over heat protection



Over voltage protection



Over current protection

Machine function

- Single phase
- Direct current
- Constant current and Constant voltage
- Voltage Reduction Device
- LCD Display
- Global Voltage
- 275Volts tested in production
- MCU Control System
- Moisture proof
Salt Spray proof
Corrosion proof
- Spool Gun



Front view



Side view



Rear view

Control Panel



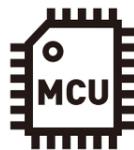
Power Factor Correction (PFC)

Comes with 0.99 Power factor, this allows for improvement of power efficiency, stable voltage input, compliance with power supply standards and optimized use of power supply capacity. It is more energy-efficient, converting more of the input power into usable welding energy, which can result in lower operating costs.



Multi Input Voltage

90-275V wide input voltage operates over a wider range of input voltages, which is beneficial in various working conditions and locations.



Precise Settings

LCD display offers more precise control over welding parameters such as amperage and arc characteristics, allowing for better adaptation to different materials and thicknesses.



Features

- 3.8" LCD display for all welding settings display.
- MENU button is home button for selections of different welding processes.
- 2T/4T button is for 2T/4T exchange.
- SYN button for program list selection.
- Gas button for shield gas flow check and adjustment.
- Wire feeder button for inching of wire to torch.
- SAVE JOB button for saving or open welding settings.
- L-Encoder for adjustment and confirmation of welding current and wire feeder speed.
- R-Encode for adjustment and confirmation of welding voltage

The control pad for double pulsed mig mode

Welding data setting includes 2T/4T, material, wire diameter, gas type, pre flow time, cooling type (air cooling or water cooling), inductance, it allows to adjust wire feed speed and welding voltage by manual. Then save to job or open from job.

The control pad for single pulsed mig mode

Welding data setting includes 2T/4T, material, wire diameter, gas type, pre flow time, cooling type (air cooling or water cooling), inductance, it also allows to adjust wire feed speed and welding voltage by manual. Then save to job or open from job.

The control pad for Mig manual model

Welding data setting includes wire feed speed, welding voltage, inductance, 2T/4T, cooling type (air cooling or water cooling) Then save to job or open from job.

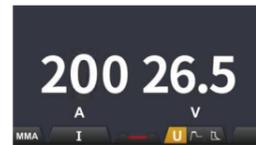
Job feature

Every welding data setting can be saved to job or opened from job. Total can be saved 10 groups via job.



The control pad for Lift tig mode

Welding data setting includes welding current, down slop, post gas, cooling type(gas cooling or air cooling) Then save to job or open from job



Stick setting includes welding current, welding voltage, arc force and hot start. Then save to job or open from job.



Languages and Units can be customized, and they can be selected easily from the menu setting on LCD display.

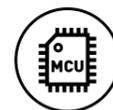


Error codes displayed on LCD screens can vary widely depending on the machine you are referring to. It indicates specific issues or malfunctions that the device has detected.



Synergic Mig

Synergic Migwelding automatically adjust welding parameters (voltage, wire feed speed, and wire diameter) based on a single setting, typically the wire feed speed. This simplifies setup and operation, making it easier for welders to achieve consistent weld quality.



Precise Settings

LCD display offers more precise control over welding parameters such as amperage and arc characteristics, allowing for better adaptation to different materials and thicknesses.



Flux-Cored Mig welding

Flux-Cored Mig welding provides cost-effective on shield gas and less sensitivity to wind and draft. It is suitable for maintenance, automotive and manufacturing applications.



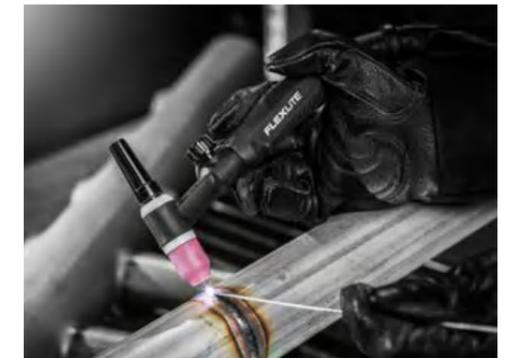
Manual Mig

Manual Mig Welding is easy of use, making it preferred choice for a wide range of welding applications in various welding purposes.



Lift Tig

Allows welders to perform both stick(SMAW) welding and TIG(GTAW) welding using the same machine.



Machine parameters:

Model	MIGDP 200ACDC										
	1-230V 50/60Hz										
Input voltage	1-110V					1-230V					
Process	MIG	TIG		MMA		MIG	TIG		MMA		
		AC	DC	AC	DC		AC	DC	AC	DC	
Effective current(A)	19.7	14.2	15.1	13	14	14.5	10.8	11.3	14.1	6.7	
Rated input current(A)	36	26	27.5	26	28	26.5	19.7	20.7	28.2	30	
Rated input power(KW)	3.9	2.9	3.0	2.8	3.1	3.1	4.5	4.8	6.5	6.9	
Welding current(A)	20-140	10-140		20-100		20-200	10-200		20-200		
Welding voltage(V)	15-21	10.4-15.6		20.8-24		15-24	10.4-18		20.8-28		
Welding speed(m/min)	1.5-12						1.5-16.5				
No load voltage(V)	72	13.6		13.6		72	13.6		13.6		
Duty cycle 40°C10min	30% 140A	30% 140A		25% 100A		30% 200A	30% 200A		25% 200A		
Efficiency	80%					87%					
Power factor	0.99										
Insulation class	F										
Protection class	IP21S										
Dimensions(mm)	610*220*410										
Net weight(kg)	20										