

MIG350 (N2SE2)

MIG500 (N2SF2)

Power Source

Professional MIG Welding

- **DSP + ARM microprocessors** for real-time arc regulation and precision
 - **Refined droplet transfer** with precise waveform control for cleaner welds
 - **Enhanced arc starting** with 60% higher success rate and faster stabilization
- **Anti-Ball Formation Technology** prevents wire tip balling for reliable re-ignition
- **Assisted-Spot Welding Mode** for uniform spot welds on materials as thin as 0.5mm with precise arc time control

Versatile & Flexible

- **Modular design** with power source integration for wire feeder, water cooler, toolbox module and utility trolley
- **Flexible remote control ecosystem** including digital torch, wireless helmet remote, mobile app, and handheld remote

Additional Features

- **45° ClearVision** digital display for high visibility and viewing comfort.
- Synergic mode for simplified operation and Welding Engineer Mode for advanced customization
- 10 job memory slots and USB Type-C port



MIG350/MIG500

Standard Accessories

- 3M MB-36 air-cooled MIG torch
- 500A earth clamp (MIG500: 50mm²; MIG350: 35mm²)
- 5M interconnecting cable (MIG500: 50mm²; MIG350: 35mm²)
- 1 pc quick connector
- 2.5M rubber air hose



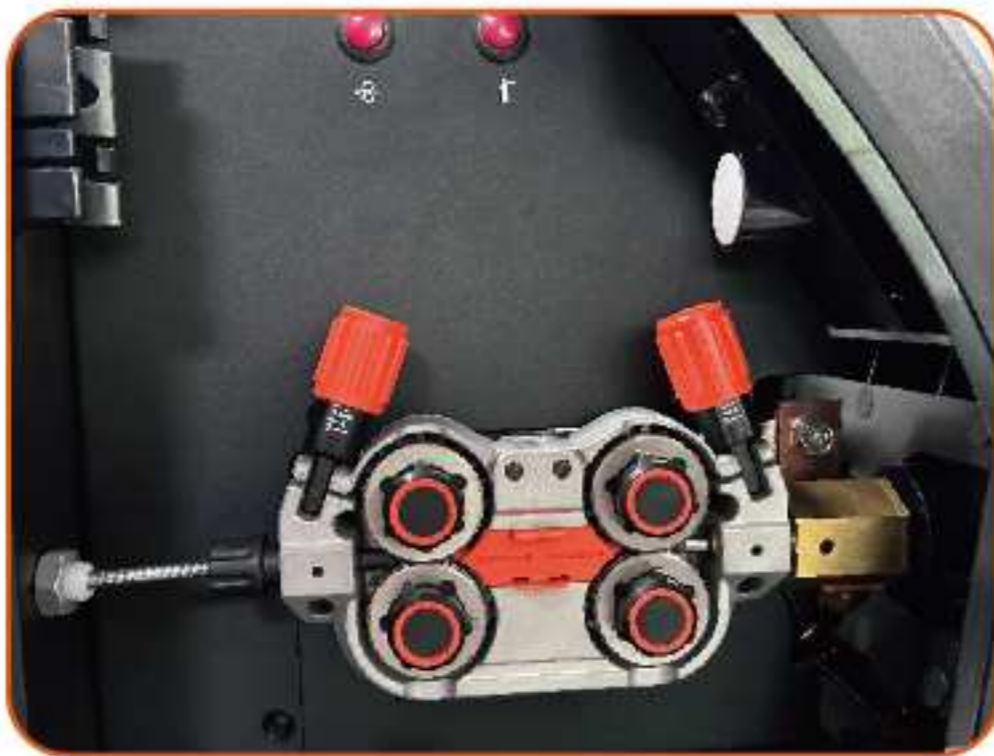
All-New Wire Feeder

Enhanced Wire Feed Mechanism

Dual-drive wire feed with enlarged rollers and fast-response drive ensures stable, consistent weld quality

Effortless Operation & Setup

- **45° ClearVision** digital display for high visibility and viewing comfort
- Tool-free quick-change feed rollers
- Anti-pinch design for safer operation
- One-key wire feeding function
- Transparent window for spool monitoring
- Built-in LED lighting
- USB Type-C port



Upgraded wire feed mechanism



HD digital panel with **ClearVision tech**

Upgraded Water Cooler

Enhanced Reliability

- Built-in hall sensors reduce electromagnetic interference
- Potted power supply circuit with IP23S protection class
- Motor with dual-loop CV/CC power supply for enhanced stability
- Comprehensive protection including overvoltage, overcurrent, overheating, and abnormal water flow safeguards for enhanced equipment longevity

Enhanced Usability

- (Optional) built-in water vibration buffer reduces torch vibration for smooth operation
- Built-in high lift pump compatible with torches up to 30m
- Built-in LED for clear water level monitoring



LC-60(C0S3)

Specifications

Power Source		MIG350 (N2SE2)	MIG500 (N2SF2)
Input Voltage		3ph, AC400V±15% 50/60 Hz	3ph, AC400V±15% 50/60 Hz
MIG	Rated Input Current	19.5 A	33.7 A
	Power Capacity	13.5 kVA	23 kVA
	Output Current Range	30~350 A	30~500 A
	Output Voltage Range	10~40 V	10~48 V
	Wire Feed Speed Range	2~24 m/min	2~24 m/min
	Open Circuit Voltage	75 V	82 V
	Duty Cycle	50%	40%
TIG	Rated Input Current	15.5 A	27 A
	Power Capacity	11 kVA	18.5 kVA
	Open Circuit Voltage	75 V	82 V
	Output Current Range	20~350 A	20~500 A
	Duty Cycle	50%	40%
MMA	Rated Input Current	20.8 A	34.4 A
	Power Capacity	14.5 kVA	23.5 kVA
	Output Current Range	20~350 A	20~500 A
	Arc Force Range	0~200 A	0~200 A
	Hot Start Range	0~200 A	0~200 A
	Open Circuit Voltage	75 V	82 V
	Duty Cycle	50%	40%
Power Factor		0.92	0.94
Efficiency (at max current)		89%	89%
Idle Power Consumption		30 W	30 W
Insulation Class		H	H
Protection Class		IP23S	IP23S
Dimensions (L×W×H)		657*278*511 mm	657*278*511 mm
Net Weight		26.9 kg	29.8 kg

Wire Feeder	DWF-22 (F0S22)	Water Cooler	LC-60 (C0S3)
Rated Voltage	DC 24V	Input Power Source	1 ph AC400V±15% 50/60Hz
Rated Current	3.5A	Rated Input Power	140 W
Wire Feed Speed	2~24 m/min	Water Tank Volume	6.5 L
Wire Feed Mechanism	4~roll	Maximum Pressure	0.42 MPa
Diameter of Feed Rolls	37.45 mm	Maximum Flow	5 L/min
Wire Spool Diameter	300 mm	Rated Cooling Power	1.5 KW (1L/min)
Protection Class	IP2X	Protection Class	IP23S
Dimensions (L×W×H)	700 × 233 × 462 mm	Coolant	Industrial distilled water, antifreeze
Net Weight	17 kg	Operating Ambient Temperature	Industrial distilled water: 7~60°C, Antifreeze: -20~60°C
		Storage Temperature Range	-20~60 °C
		Noise	<70 db
		Dimensions (L×W×H)	663×265×303 mm
		Net Weight	15 kg

MIG350/MIG500