

200-CLASS PORTABLE MIG/MAG

MFL-200

Portable 220V spool-gun MIG/MAG for aluminum and repair work.

MFL-200 is a compact 200-class machine for distributors and repair shops that need a portable spool-gun MIG/MAG offer below the larger 280A, 350A, and 500A systems.



Product image shown for model identification. Final artwork may vary by market package.

OUTPUT CLASS 200 A 25-200 A non-pulse; 25-160 A pulse	INPUT POWER AC220V +/-10%, 50 Hz, single phase	RATED DUTY CYCLE 60% rated duty-cycle value	MACHINE BODY 16 kg 420 x 215 x 230 mm
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BEST FIT Automotive body repair, garage repair, light fabrication, and compact distributor programs that need aluminum-capable MIG/MAG.	CORE REASON TO SELECT A focused spool-gun platform with single-pulse, double-pulse, common MIG/MAG, and MMA/manual modes in a portable 220V body.	ORDER FOCUS Use this sheet to compare process fit, core ratings, included package items, and order-specific accessory needs.
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SELECTION SHORTCUT

BUYER NEED	ROUTE	REASON
Need compact 220V aluminum repair	Use MFL-200	Spool-gun MIG/MAG, 16 kg body, single-phase input
Need standard compact double-pulse MIG	Compare MIG-200 / MIG-230	Built-in feeder compact MIG/MAG routes
Need higher-duty production MIG	Move to MIG-350 / MIG-500	External feeder and higher-current system routes
Need TIG aluminum welding	Use TIG AC/DC family	MFL-200 is a spool-gun MIG/MAG platform

APPLICATION SCOPE

- Included torch**
 Spool gun / pull-gun torch is the standard included MIG package item for this model.
- Buyer supplies**
 Shielding gas and welding wire remain material-specific consumables.
- Application scope**
 For TIG aluminum, robotic welding, or 350A / 500A production MIG work, select a different DEYUN platform.

BUYER DECISION 02

PROCESS / MATERIAL FIT

PROCESS CAPABILITY

PROCESS / MODE	CUSTOMER MEANING
Spool-gun MIG/MAG	Shorter wire path for compact aluminum and repair use.
Single-pulse MIG/MAG	Material-program welding path for aluminum, stainless, copper, and carbon-steel setup conversations.
Double-pulse MIG/MAG	Useful where aluminum appearance and heat-input control matter.
Common MIG/MAG	Ar, CO2, and mixed-gas route for general workshop welding.
MMA / manual	Secondary repair and maintenance mode listed in the control workflow.
2T / special 2T / 4T / spot	Trigger and spot modes for repeated repair work.

WHERE IT BELONGS

- Good-fit buyer**
Repair shop, garage, small workshop, or overseas distributor asking for a portable aluminum-capable MIG/MAG model.
- Product ladder role**
A high-value 200-class entry below larger pulse MIG systems, not a replacement for 350A / 500A production platforms.
- Application limits**
Material thickness range, certificate package, and market documents are handled by destination and order scope.

MATERIAL / WIRE / GAS REFERENCE

MATERIAL PATH	WIRE / ALLOY	DIAMETER	GAS	USE NOTE
Al-Si aluminum	4043 / 4047	1.0 / 1.2 mm	>=99.99% Ar	Primary spool-gun aluminum repair route
Al-Mg aluminum	5356 / 5183 / MgAl5	1.0 / 1.2 mm	>=99.99% Ar	Aluminum-magnesium repair route
Carbon steel	Low carbon / low alloy steel	0.8 / 1.0 mm	80% Ar + 20% CO2 pulse; 100% CO2 common	Repair and light fabrication
Stainless steel	304 / 316 / 312 / 308	0.8 / 1.0 mm	98% Ar + 2% CO2	Stainless repair setup
Copper alloy	Cu18 / Cu19 / CuSi3 / CuAl9	0.8 / 1.0 mm	>=99.99% Ar	Order-specific application discussion

WORKSHOP SAMPLE REFERENCES



1.5 MM ALUMINUM / SINGLE PULSE



5 MM CARBON STEEL / SINGLE PULSE

SPECS / PACKAGE

RATED SPECIFICATION TABLE

PARAMETER	SPECIFICATION
Product type	Super-mini portable spool-gun pulse / double-pulse MIG/MAG welder
Input power	AC220V +/-10%, 50 Hz, 1PH
Rated input power	5.3 kVA
Rated input current	24 A
Pulse current range	25-160 A
Non-pulse current range	25-200 A
Welding methods	Single pulse, double pulse, gas-shielded/common MIG, MMA/manual
Operation modes	2T, special 2T, 4T, spot welding, continuous spot welding
Program memory	10 welding programs
Rated duty cycle	60%
Open-circuit voltage	70 V
Power factor	>=0.93
Efficiency	>=85%
Insulation class	F
Wire diameter	0.8 / 1.0 / 1.2 mm
Gas flow	5-15 L/min in parameter table; 15-20 L/min in gas-cylinder setup
Cooling	Air-cooled
Machine dimensions	420 x 215 x 230 mm
Machine weight	16 kg

SITE REQUIREMENTS

Minimum grid capacity	6.4 kVA
Minimum generator capacity	10 kVA
Fuse / circuit breaker	Fuse 29 A; circuit breaker 30 A
Cable guidance	Input cable >=4 mm ² ; output cable 25 mm ² ; ground cable >=1.5 mm ²
Ventilation clearance	At least 20 cm front/back and 10 cm left/right
Environment	Indoor, dry, ventilated workshop or garage station

Order note

Accessory contents, plug type, certificate package, and market documents can vary by destination and order scope.

PANEL WORKFLOW

- Material
- Wire diameter
- Welding method
- Trigger mode
- Parameter adjust
- Memory

INCLUDED / OPTIONAL ITEMS

ITEM	STATUS	DETAIL
Spool gun / pull-gun torch	Included	Standard MIG package item for MFL-200.
Earth wire / earth clamp	Included	Standard MIG package item.
Wire liner	Included	Match liner to wire material and diameter.
Wire feed roll	Included	Match groove type to wire material and diameter.
Gas meter / air meter	Paid optional	Match regulator and gas setup to the order destination.
Shielding gas and welding wire	External consumables	Material-specific gas and wire are required for MIG/MAG work.

ORDER NOTES

Voltage setup	Standard listed input is AC220V +/-10%, 50 Hz, 1PH. Other input options depend on order configuration.
Gas setup	Gas meter / air meter is paid optional; shielding gas selection depends on material and local gas supply.
Package details	Plug type, cable length, package dimensions, and accessory quantities can vary by order.
Documents	Certificates and market documents are provided according to destination and model scope.