COMPACT 230-CLASS PULSE MIG/MAG

MIG-230

Compact 230-class double-pulse MIG/MAG with 220V / 380V input support.

MIG-230 is the compact upgrade above the MIG-200 family for distributors and workshops that need higher pulse output, dual input options, built-in wire feeding, and aluminum / stainless / carbon-steel process coverage.

Product image shown for model identification. Market-facing graphics can vary by order package.

PULSE RANGE	NON-PULSE RANGE	INPUT POWER	DUTY CYCLE
25-230 A	**25-260 A**	**220V / 380V**	**60%**
pulse MIG/MAG output	common MIG/MAG output	1PH at 220V; 3PH at 380V	rated duty-cycle value

BEST FIT
Distributors, dealer showrooms, and compact workshops that want a higher-output step above MIG-200 without moving into 350A / 500A systems.

CORE REASON TO SELECT
A compact double-pulse MIG/MAG platform with built-in wire feeder, dual input support, material setup, and 10 program memory.

BUYER SHORTCUT
Use MIG-230 when the buyer wants 230-class pulse capability, aluminum welding, and a portable compact body.

SELECTION SHORTCUT

BUYER NEED	ROUTE	REASON
Need compact 160A output	Use MIG-200 Series	Smaller 220V family for lighter compact programs.
Need compact 230-class pulse MIG	Use MIG-230	Pulse 25-230 A, non-pulse 25-260 A, 220V / 380V input.
Need 280A compact platform	Move to MIG-280	Higher-current compact route for heavier workshop work.
Need 350A / 500A production MIG	Move to larger DEYUN MIG platforms	Higher-duty systems for production-class welding.

PRODUCT POINTS

Digital CPU control
Supports multiple welding functions and panel-based process setup.

IGBT inverter platform
Compact inverter design with high-frequency soft-switching technology.

Closed-loop voltage control
Helps stabilize welding voltage during grid fluctuation and arc-length changes.

Program memory
10 welding programs for recurring workshop setup.

Built-in feeder
Compact body with built-in wire feeder for 200 mm / 300 mm wire-spool setup.

Buyer supplies
Shielding gas and welding wire remain material-specific consumables.

Application scope
For robotic welding, TIG aluminum, or 350A / 500A production MIG work, select a different DEYUN platform.

BUYER DECISION 02

PROCESS / MATERIAL FIT

PROCESS CAPABILITY

PROCESS / MODE	CUSTOMER MEANING
Pulse MIG/MAG	Aluminum, stainless, copper, and carbon-steel setup path for appearance-sensitive welding.
Double-pulse MIG/MAG	Useful for aluminum bead appearance and heat-input control.
Synergic MIG/MAG	Material, wire diameter, gas, and method selection route for faster setup.
Common MIG/MAG	CO2 and mixed-gas workshop route for carbon-steel welding.
Self-shielded / non-gas MIG	Selected flux-cored applications using reverse-connection setup.
MMA / manual	Secondary maintenance and repair mode.
2T / special 2T / 4T / spot	Trigger and spot modes for repeated workshop tasks.

WHERE IT BELONGS

Good-fit buyer

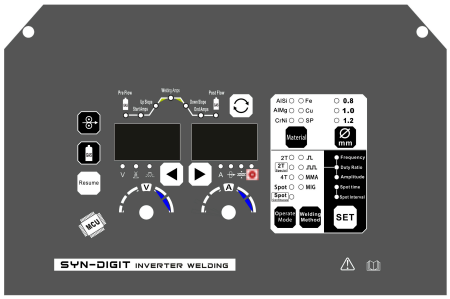
Distributor, dealer demo station, or light / mid-size fabrication shop needing compact pulse MIG/MAG flexibility.

Product ladder role

Upgrade route above MIG-200 before moving to MIG-280, MIG-350, or external-feeder systems.

Not the right fit

Heavy production welding, robotic integration, or buyer requests centered on 350A / 500A output classes.



Control panel: material, wire diameter, method, trigger, pulse shape, and auxiliary parameter setup.

PANEL WORKFLOW

01 Material
02 Wire diameter
03 Welding method
04 Trigger mode
05 Auxiliary parameters
06 Program memory

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	Pulse and double-pulse aluminum route
Al-Mg aluminum	5356 / 5183 / MgAl5	1.0 / 1.2 mm	>=99.99% Ar	Aluminum-magnesium repair route
Copper alloy	Cu18 / Cu19 / CuSi3 / CuAl9	By application	>=99.99% Ar	Pulse MIG/MAG setup
Stainless steel	304 / 316 / 312 / 308	0.8 / 1.0 mm	98% Ar + 2% CO2	Stainless repair setup
Carbon steel pulse	Carbon-steel wire	0.8 / 1.0 mm	80% Ar + 20% CO2	Pulse MIG/MAG route
Carbon steel common	Carbon-steel wire	0.8 / 1.0 mm	100% CO2	Synergic / common MIG route

TECHNICAL / CONFIGURATION 03

SPECS / PACKAGE

RATED SPECIFICATION TABLE

PARAMETER	SPECIFICATION
Product type	Compact double-pulse MIG/MAG welding system
Model	MIG-230
System format	Compact body with built-in wire feeder
Input power	AC220V +/-10% 1PH or AC380V +/-10% 3PH
Rated input power	7.6 kVA
Rated input current	34.5 A at 220V; 11.8 A at 380V
Pulse current range	25-230 A
Non-pulse current range	25-260 A
Rated duty cycle	60%
Open-circuit voltage	65 V / 80 V
Power factor	>=0.93
Efficiency	>=85%
Insulation class	F
Cooling	Air-cooled
Wire diameter	0.8 / 1.0 / 1.2 mm
Gas flow	15-20 L/min
Wire spool setup	200 mm / 300 mm wire-spool support
Welding methods	Pulse MIG/MAG, double pulse, synergic MIG/MAG, common MIG, non-gas MIG, MMA/manual
Operation modes	2T, special 2T, 4T, spot welding, continuous spot welding
Program memory	10 welding programs
Machine dimensions	545 x 305 x 545 mm
Package dimensions	600 x 430 x 640 mm
Net / gross weight	24 kg / 29 kg

SITE REQUIREMENTS

Power class	220V single-phase or 380V three-phase workshop supply
Rated input power	7.6 kVA
Rated input current	34.5 A at 220V; 11.8 A at 380V
Wire feed format	Built-in wire feeder
Spool setup	200 mm / 300 mm wire-spool support
Environment	Indoor, dry, ventilated workshop station

Order note

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

OUTPUT COMPARISON

25-230 A

Pulse output step above MIG-200. For larger production classes, move the buyer to the next DEYUN platform.

INCLUDED / OPTIONAL ITEMS

ITEM	STATUS	DETAIL
Welding torch	Included	Standard MIG package item; manual package lists 3 m gas-shielded welding torch.
Earth wire / earth clamp	Included	Standard MIG package item; manual package lists 2.5 m negative cable with earth clamp.
Wire liner	Included	Match liner to wire material and diameter.
Wire feed roll	Included	Match groove type to wire material and diameter.
Gas hose / contact tips / wrench	Package-specific	Manual package list includes setup items for this model.
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	Listed input options are AC220V +/-10% 1PH and AC380V +/-10% 3PH. Other input options depend on order configuration.
Model selection	Use MIG-230 when the buyer needs a compact 230-class step above the MIG-200 family.
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.