

280-CLASS DOUBLE-PULSE MIG/MAG

MIG-280

280-class double-pulse MIG/MAG with separate-feeder and compact options.

MIG-280 gives distributors a 280A-class double-pulse MIG/MAG platform between MIG-230 and larger 350A / 500A systems, with a separate-feeder option for reach and a compact option for integrated mobility.

PLATFORM CHOICE

2 formats

External feeder for reach, or compact built-in feeder for integrated mobility.



MIG-280

SEPARATE-FEEDER OPTION



MIG-280 Comp

COMPACT BUILT-IN-FEEDER OPTION

OUTPUT RANGE

10-280 A

MIG/MAG welding current range

INPUT POWER

AC380V

+/-10%, 50 Hz, three phase

RATED DUTY CYCLE

60%

rated duty-cycle value

OPTIONS

2 formats

separate feeder or built-in feeder

BEST FIT

Distributors, dealer showrooms, and light / mid-size fabrication shops needing a 280A-class double-pulse MIG/MAG offer.

CORE REASON TO SELECT

A 3-phase 380V platform with pulse, double pulse, synergic setup, 10 program memory, and two feeder formats.

BUYER SHORTCUT

Choose MIG-280 for feeder placement flexibility; choose MIG-280 Comp for integrated mobility.

SELECTION SHORTCUT

BUYER NEED	ROUTE	REASON
Need compact 230-class upgrade	Use MIG-230	Lower output class and smaller compact platform.
Need 280A with feeder reach	Use MIG-280	External wire feeder and separate setup layout.
Need 280A in one mobile body	Use MIG-280 Comp	Built-in feeder compact format.
Need 350A / 500A production class	Move to larger DEYUN MIG platforms	Higher-duty routes for heavier fabrication work.

APPLICATION SCOPE

Spool setup

Manual setup supports 15 kg / 300 mm and 5 kg / 200 mm wire-spool paths.

Buyer supplies

Shielding gas and welding wire remain material-specific consumables.

Application scope

For TIG aluminum or production-class 350A / 500A MIG work, select a different DEYUN platform.

BUYER DECISION 02

MODEL / FEEDER CHOICE



SEPARATE-FEEDER OPTION
MIG-280

FEEDER FORMAT
External wire feeder

DIMENSIONS
Main unit 905 x 445 x 635 mm; wire feeder 660 x 285 x 465 mm

WEIGHT
48 kg main unit + 21 kg wire feeder

Best when the operator needs feeder placement flexibility away from the main power unit.



COMPACT BUILT-IN-FEEDER OPTION
MIG-280 Comp

FEEDER FORMAT
Built-in wire feeder

DIMENSIONS
825 x 445 x 860 mm

WEIGHT
55 kg net / 59 kg gross

Best when the buyer wants one mobile body with feeder and power unit integrated.

DIMENSIONS / PACKAGE REFERENCE

ITEM	MACHINE DIMENSIONS	PACKAGE DIMENSIONS	WEIGHT
MIG-280 main unit	905 x 445 x 635 mm	980 x 540 x 790 mm	48 kg
MIG-280 wire feeder	660 x 285 x 465 mm	750 x 380 x 550 mm	21 kg
MIG-280 Comp	825 x 445 x 860 mm	980 x 540 x 1020 mm	55 kg net / 59 kg gross

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.

FEEDER / WORKSTATION DECISION

DECISION POINT	MIG-280	MIG-280 COMP
Feeder placement	External wire feeder can be placed closer to the work area.	Wire feeder stays inside one compact machine body.
Footprint planning	Plan main unit and wire feeder as two connected pieces.	Plan one integrated machine body on a workshop cart or floor space.
Best station type	Fixed or semi-mobile station where reach and placement matter.	Dealer demo, repair bay, or workshop station needing simpler movement.
Shared capability	Same 280A-class double-pulse MIG/MAG process path.	Same 280A-class double-pulse MIG/MAG process path.

BUYER DECISION 03

PROCESS / MATERIAL FIT

PROCESS CAPABILITY

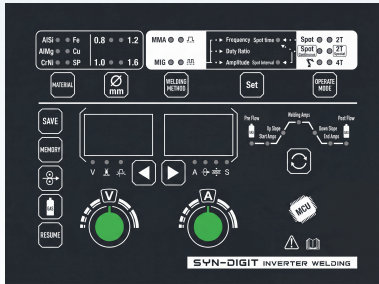
PROCESS / MODE	CUSTOMER MEANING
Pulse MIG/MAG	Aluminum, stainless, copper, and carbon-steel setup path for appearance-sensitive welding.
High-speed double pulse	Useful for aluminum alloy bead appearance and heat-input control.
High-speed single pulse	Pulse process route for multi-material setup.
Synergic 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 / no-gas MIG	Selected flux-cored applications using reverse-connection setup.
MMA / manual	Secondary maintenance and repair mode.

WHERE IT BELONGS

Good-fit buyer
Distributor, dealer demo station, or workshop choosing between separate-feeder reach and compact mobility.

Product ladder role
280A-class double-pulse step between MIG-230 and MIG-350 / MIG-500 platforms.

Not the right fit
Heavy production welding, water-cooled 350A / 500A requirements, or automation-cell projects.



Control panel: material, wire diameter, method, trigger, pulse shape, auxiliary setup, gas check, and memory.

PANEL WORKFLOW

- Material
- Wire diameter
- Welding method
- Operation mode
- Auxiliary parameters
- 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	0.8 / 1.0 / 1.2 mm	>=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

SPECS / PACKAGE

RATED SPECIFICATION TABLE

PARAMETER	SPECIFICATION
Product type	280-class double-pulse MIG/MAG welding platform
Models	MIG-280 / MIG-280 Comp
Feeder formats	External wire feeder / built-in wire feeder
Input power	AC380V +/-10%, 50 Hz, 3PH
Rated input power	9.2 kVA
Rated input current	14 A
Output current range	10-280 A
Rated duty cycle	60%
Open-circuit voltage	70 V
Power factor	>=0.93
Efficiency	>=85%
Insulation class	F
Cooling	Air-cooled
Wire diameter	0.8 / 1.0 / 1.2 mm
Spool setup	15 kg / 300 mm and 5 kg / 200 mm wire-spool paths
Welding methods	Pulse MIG/MAG, double pulse, synergic MIG/MAG, common MIG, no-gas MIG, MMA/manual
Operation modes	2T, special 2T, 4T, spot welding, continuous spot welding
Program memory	10 welding programs

SITE REQUIREMENTS

Power class	380V three-phase workshop supply
Rated input power	9.2 kVA
Rated input current	14 A
Ventilation clearance	20 cm front/back and 10 cm left/right
Environment	Indoor, dry, ventilated workshop station

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

OUTPUT COMPARISON
10-280 A
280A class is the step between compact 230-class pulse systems and larger 350A / 500A production platforms.

INCLUDED / OPTIONAL ITEMS

ITEM	STATUS	DETAIL
Welding torch	Included	Standard MIG package item; manual package lists 3 m aluminum gas-shielded welding torch.
Earth wire / earth clamp	Included	Standard MIG package item; manual package lists 2.5 m earth cable with 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 family.
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 is AC380V +/-10%, 50 Hz, 3PH. Other input options depend on order configuration.
Model selection	Use MIG-280 for external wire-feeder layout; use MIG-280 Comp for compact built-in-feeder layout.
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.