

350-CLASS LCD DOUBLE-PULSE MIG/MAG

MIG-350X

LCD-guided 350A double-pulse MIG/MAG with air-cooled and water-cooled options.

MIG-350X is the high-configuration LCD step above standard MIG-350, built for distributors and workshops that need visible parameter setup, pulse / double-pulse process control, program memory, and a 3-phase 380V separate-feeder system.

COOLING CHOICE

Air / water

MIG-350X for air-cooled LCD work; MIG-350XW for water-cooled torch support.



MIG-350X

LCD AIR-COOLED OPTION



MIG-350XW

LCD WATER-COOLED OPTION

OUTPUT RANGE

30-350 A

MIG/MAG welding current range

INPUT POWER

AC380V

+/-10%, 50 Hz, three phase

RATED DUTY CYCLE

60%

rated duty-cycle value

COOLING CHOICE

Air / water

MIG-350X or MIG-350XW

BEST FIT

Distributors, dealer showrooms, and fabrication shops comparing standard 350A pulse MIG against an LCD-guided upgrade.

CORE REASON TO SELECT

LCD setup, material / gas menus, single and double pulse modes, 10 program memories, and air / water cooling options.

BUYER SHORTCUT

Choose MIG-350X for air-cooled LCD work; choose MIG-350XW when water-cooled torch support is part of the station plan.

SELECTION SHORTCUT

BUYER NEED	ROUTE	REASON
Need standard no-LCD 350A platform	Use MIG-350 / MIG-350W	Same output class with a simpler control interface.
Need LCD setup and air cooling	Use MIG-350X	350A LCD double-pulse system with external wire feeder.
Need LCD setup and water cooling	Use MIG-350XW	Adds integrated cooling tank for water-cooled torch setup.
Need higher output class	Move to MIG-500X / MIG-500XW	Larger LCD double-pulse route for 500A-class demand.
Need non-pulse CO2 MIG	Move to MIG-350 NBC	Dedicated NBC CO2 MIG/MAG route.

APPLICATION SCOPE

LCD upgrade

Use this page when visible setup, guided process selection, and repeat program storage matter to the buyer.

Cooling choice

MIG-350X is air-cooled; MIG-350XW adds water-cooled torch support through an integrated cooling tank.

Application scope

For economy, no-LCD, NBC CO2-only, or 500A production work, select the matching DEYUN platform.

BUYER DECISION 02

LCD / COOLING CHOICE



LCD AIR-COOLED OPTION

MIG-350X

FEEDER FORMAT

External wire feeder

DIMENSIONS

Main unit 970 x 475 x 685 mm; wire feeder 660 x 285 x 465 mm

WEIGHT

59 kg main unit + 22 kg wire feeder

Best when the buyer wants the LCD double-pulse workflow in a 350A air-cooled separate-feeder station.



LCD WATER-COOLED OPTION

MIG-350XW

FEEDER FORMAT

External wire feeder + integrated water cooling tank

DIMENSIONS

Main unit 970 x 475 x 925 mm; wire feeder 660 x 285 x 465 mm

WEIGHT

74 kg main unit + 23 kg wire feeder

Best when the buyer wants the same LCD 350A process package with water-cooled torch support.

DIMENSIONS / PACKAGE REFERENCE

ITEM	MACHINE DIMENSIONS	PACKAGE DIMENSIONS	WEIGHT
MIG-350X main unit	970 x 475 x 685 mm	1030 x 550 x 850 mm	59 kg
MIG-350X wire feeder	660 x 285 x 465 mm	Package by order	22 kg
MIG-350XW main unit	970 x 475 x 925 mm	1030 x 560 x 1100 mm	74 kg
MIG-350XW wire feeder	660 x 285 x 465 mm	Package by order	23 kg

PRODUCT POINTS

- LCD control panel**

Displays key setup and monitoring values for the operator.
- Material / gas menu**

Guides material, wire diameter, and shielding-gas setup from the panel workflow.
- Single and double pulse**

Supports pulse and double-pulse MIG/MAG process routes.
- Program memory**

Stores and recalls 10 welding programs for repeat jobs.
- Gas check and inching**

Supports shielding-gas setup and manual wire feed before welding.
- Water-cooled option**

MIG-350XW adds an integrated cooling tank for water-cooled torch setup.

COOLING / WORKSTATION DECISION

DECISION POINT	MIG-350X	MIG-350XW
Cooling route	Air-cooled setup for standard LCD 350A pulse MIG/MAG work.	Water-cooled setup for longer-duty torch cooling needs.
System layout	Main unit plus external wire feeder.	Main unit with integrated cooling tank plus external wire feeder.
Footprint planning	Lower body height and lower main-unit weight.	Taller main body and heavier main unit due to the cooling tank.
Shared capability	Same 30-350 A LCD double-pulse MIG/MAG process path.	Same 30-350 A LCD double-pulse MIG/MAG process path.

PROCESS / MATERIAL FIT

PROCESS CAPABILITY

PROCESS / MODE	CUSTOMER MEANING
Common MIG/MAG	Carbon steel and general gas-shielded fabrication with external wire feeder.
Pulse MIG/MAG	LCD-guided pulse route for carbon steel, stainless steel, aluminum, and copper setup paths.
Dual pulse MIG/MAG	Appearance-sensitive route for aluminum alloy and repeatable bead profile work.
High-speed single pulse	Pulse process path for production-oriented setup.
High-speed double pulse	Higher-specification pulse path for the LCD platform.
MMA / stick welding	Secondary maintenance and repair process.

WHERE IT BELONGS

- Good-fit buyer**

Distributor demo station or workshop wanting an LCD-visible 350A pulse MIG/MAG platform.
- Product ladder role**

LCD upgrade above MIG-350 and below the larger MIG-500X LCD platform.
- Cooling decision**

Air-cooled for general 350A work; water-cooled when torch cooling is part of the buyer's requirement.
- Not the right fit**

Single-phase sites, economy-only positioning, NBC CO2-only work, or 500A-class production demand.



LCD panel: operation mode, welding method, material, process control, save / memory, adjustment, gas check, and wire inching controls.

PANEL WORKFLOW

- 01 Operation mode
- 02 Welding method
- 03 Material
- 04 Process control
- 05 Save / memory
- 06 Gas check / wire inching

MATERIAL / WIRE / GAS REFERENCE

MATERIAL PATH	WIRE / ALLOY	DIAMETER	GAS	USE NOTE
Common DC welding	Carbon steel wire	0.8 / 1.0 / 1.2 / 1.6 mm	CO2	General MIG/MAG setup
Pulse MIG/MAG	Carbon steel wire	0.8 / 1.0 / 1.2 / 1.6 mm	80% Ar + 20% CO2	Pulse setup path
Pulse MIG/MAG	Stainless steel wire	0.8 / 1.0 / 1.2 / 1.6 mm	98% Ar + 2% CO2	Stainless setup path
Pulse MIG/MAG	Thin stainless steel	0.8 / 1.0 / 1.2 / 1.6 mm	99.99% Ar	Thin stainless setup path
Pulse / dual pulse	Aluminum 4043 / 5356	0.8 / 1.0 / 1.2 / 1.6 mm	99.99% Ar	Aluminum setup path
Pulse MIG/MAG	Copper wire	0.8 / 1.0 / 1.2 / 1.6 mm	99.99% Ar	Copper setup path

SPECS / PACKAGE

RATED SPECIFICATION TABLE

PARAMETER	SPECIFICATION
Product type	350-class LCD double-pulse MIG/MAG welding platform
Models	MIG-350X / MIG-350XW
Feeder format	External wire feeder
Cooling formats	Air-cooled / water-cooled
Input power	AC380V +/-10%, 50 Hz, 3PH
Rated input power	15.8 kVA
Rated input current	24 A
Output current range	30-350 A
Rated duty cycle	60%
Open-circuit voltage	65 V
Power factor	>=0.93
Efficiency	>=85%
Insulation class	F
Wire diameter	0.8 / 1.0 / 1.2 / 1.6 mm
Gas flow rate	15-20 L/min
LCD display fields	Voltage, current, arc-length correction, workpiece thickness, inductance, wire-feed speed, and current parameters
Welding methods	Common MIG/MAG, pulse MIG/MAG, dual pulse MIG/MAG, high-speed pulse modes, MMA/stick
Operation modes	2T, 4T, special trigger mode, spot welding, continuous spot welding
Program memory	10 welding programs

SITE REQUIREMENTS

Power class	380V three-phase workshop supply
Rated input power	15.8 kVA
Rated input current	24 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

30-350 A

The 350A LCD class is the upgrade step above standard 350A pulse MIG/MAG and below the 500A LCD production platform.

INCLUDED / OPTIONAL ITEMS

ITEM	STATUS	DETAIL
Welding torch	Included	Standard MIG package item; torch setup differs by air-cooled or water-cooled order.
Earth wire / earth clamp	Included	Standard MIG package item for workpiece return connection.
Wire liner	Included	Match liner to wire material and diameter.
Wire feed roll	Included	Match groove type to wire material and diameter.
Contact tips / M8 wrench	Package-specific	Setup items can be supplied according to order package.
Gas meter / air meter	Paid optional	Match regulator and gas setup to the order destination.
Integrated cooling tank	MIG-350XW only	Included in the water-cooled option.
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-350X for air-cooled LCD setup; use MIG-350XW for water-cooled LCD setup with integrated cooling tank.
Gas setup	Gas meter / air meter is paid optional; shielding gas selection depends on material and local gas supply.
LCD workflow	Use this page when visible setup, memory, and guided process selection matter to the buyer.
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.