

AUTOMIG²ⁱ RANGE

User-friendly, synergic inverter-based
MIG/MAG welding machine with
MIG brazing process

Automig²ⁱ range is designed for welding and MIG brazing in high-tensile steel and galvanised steel.

- Digital, synergic control panel with preset welding programs
- Pulse and double pulse function
- DUO version with two wire rolls



MIGATRONIC
WELDING VALUE

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THREE POWER SOURCES - TWO CONTROL PANELS

THERE'S A MIGATRONIC AUTOMIG FOR EVERY GENERATION

Back in 1970, Migatron supplied its first welding machine to the auto business. Since then, as many as seven welding machine generations have matched, each in their own way, the requirements made by the auto business and light industries. The Automig²i range is stronger than ever.

THE FULLY DIGITAL REVOLUTION - SWITCH ON, PRESS AND WELD

The Automig²i range are compact, fully digitised welding machines with synergic, preset welding programs and automated functions. The machines are designed for modern materials used in the auto business and meet the increasing demands for joining materials; from sheet metal to car body welding – with or without double pulse.

MACHINES WITH BUILT-IN ADVANTAGES

The Automig²i machines are equipped with four-roll wire feed system for precise and stable wire-feeding. The Automig² 273i features reversed polarity for welding with innershield wire (without gas).

MIG BRAZING

In addition to MIG/MAG welding, the Automig²i range features MIG brazing of galvanised steel plates. This function ensures maintenance of the material in terms of corrosion and strength and

reduces post-treatment of distortion of plates and profile tubes to a minimum. The result is cost-effective and efficient welding.

AUTOPULS WITH DOUBLE PULSE FOR WELDING AND BRAZING

The Automig² 273i is available with AUTOPULS control panel. This control panel features double pulse (DUO Plus) which is an advanced pulse function feeding the wire with a pulsatory current. The result is better control of the arc and a minimum of weld spatter which ensures preservation of strength and surface of plates and profile tubes.

BOOST FOR ALL MAINS VOLTAGES

The Automig² 273i and 273i DUO can be equipped with an electronic Boost Converter (autotransformer) for welding and brazing on all mono-phase and three-phase mains voltages.

DUO VERSIONS

The Automig²i machines are available in DUO versions with space for two wire reels: one for MIG brazing and one for other welding operations, making it easy to switch between welding jobs without having to change hoses, wires, wire drive rolls and gas.

USER ADVANTAGES

- Designed for all materials and individual welding applications
- Digital, synergic control panels
- Pulse or double pulse
- MIG brazing of galvanized steel
- AUTOPULS for advanced pulse welding and pulse brazing of e.g. high-tensile steel
- DUO versions for easy switch-over between welding and brazing operations
- Reversed polarity for welding with innershield wire (without gas)
- Boost versions for all mains voltages
- Software update via SD card at migatron.com/SUPPORT

Machine range/Panel	AUTOMIG II	AUTOPULS	Reversed polarity
Automig ² 183i	●		
Automig ² 183 i DUO	●		
Automig ² 233i	●		
Automig ² 233i DUO	●		
Automig ² 273i	●	●	●
Automig ² 273i Boost	●	●	●
Automig ² 273i DUO	●	●	●
Automig ² 273i DUO Boost	●	●	●



Automig² 273i on trolley

INDIVIDUAL VERSIONS FOR AUTO BUSINESS AND LIGHT INDUSTRY



MIG-A TWIST® TORCHES

The ergonomic MIG-A Twist torch has a turnable swan neck for easy access to hard-to-reach locations. Control unit for adjustment of welding current at the torch handle is available as an optional feature.

MACHINE ADVANTAGES

- Compact design/low weight - user-friendly, flexible and mobile
- Standby function (15-30 W idling): energy-saving, less CO₂ emission, long life of components
- Colour-coded wire drive rolls: easy to exchange
- Four-roll wire feed system for precise wire-feeding
- Digital motor control: stability under all operating conditions
- Digital fan control: optimal cooling under all operating conditions
- Lacquered PCB cards: less maintenance and longer service life



Automig² 183i,
compact



Automig² 273i DUO
on trolley

AUTOMIG²i DATA & PROGRAMS

POWER SOURCE	183i/183i DUO	233i/233i DUO	273i/273i DUO	273i BOOST/273i DUO BOOST
Current range, A	15-180	15-230	15-270	15-270
Mains voltage +/- 15%,V	3x400	3x400	3x400	3x230-400, 1x230-400
Fuse, A	10	10	10	16
Duty cycle 40°C 100%, A/V	115/19.8	165/22.3	175/22.8	107 (135)/19.4(20.8)
Duty cycle 40°C 60%, A/V	125/20.3	175/22.8	205/24.3	130 (170)/27.5(22.5)
Duty cycle 20°C 100% A	160	220	230	150 (180)
Duty cycle 20°C 40% A	180		245	180 (200)
Protection class	IP 23S	IP 23S	IP 23	IP 23
Norm	EN/IEC 60974-1, EN/IEC60974-5, EN/IEC60974-10			
Dimensions (HxWxL), mm	615x381x790	615x381x790	556x248x574	556x248x574/960x248x574 (DUO)
Dimensions DUO (HxWxL), mm	674x381x790	674x381x790	960x248x574	556x248x574/960x248x574 (DUO)
Weight, kg	26.2 / 41.2	26.5 / 41.5	26 / 55	28 / 57 (DUO)

We reserve the right to make changes

Automig II panel



Autopuls II panel



Both control panels can be updated via SD card with the latest program versions at migatronik.com/SUPPORT



PROGRAMS

Material	Wire Ø/mm	Welding	Brazing	Pulse	Double pulse (DUO Plus)
Fe SG 2	0.6 - 1.0	● ●		●	●
AL	0.8 - 1.2	● ●		●	●
CuAl8	0.8 - 1.0		● ●	●	●
CuSi3	0.8 - 1.0		● ●	●	●
CrNi	0.8 - 1.0	●		●	●

● Automig II panel ● AUTOPULS II panel

The list of programs is for guidance only