

# AUTOMIG 223i | 223i DUO | 273i



**MICATRONIC**

# Fully digital workhorses replace old technology - now also as DUO

## When good products become better

The first welding machine delivered by Migatronik to a car repair shop back in 1970 was developed and produced according to the mechanic's specific demands for a robust and easy-to-operate machine. That's how it has been ever since.

Development of new materials and increasing demands for joining materials make heavier demands on the welding equipment. The Automig-i range is the sixth generation in Migatronik's range of reliable workhorses designed for the auto business, trade and light industry.

## Automig - the fully digital revolution

The compact Migatronik Automig-i range are stepless and fully digitised welding machines with unique welding properties, synergies between parameters, and automated functions at all levels. Once the welder has set the main parameters, the machine will automatically adjust all other parameters. From high-duty to quite simple MIG/MAG welding operations, using small or large wire reels, for further flexibility, the solution is Automig DUO 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. It's quite simple: switch on, press and weld!

*A programme reader, easily accessible and safely on the inside of the wire feed unit, is incorporated in the Automig-i range for simple and quick software update*

## Stepless MIG/MAG inverter with built-in advantages

The Automig-i range is equipped with four-roll wire feed system for precise and stable wire-feeding and optimal quality in MIG/MAG welding. It is also characterized by safe ignition of the arc and unique welding properties for welding in mild steel or aluminium.

## MIG brazing

Another feature is MIG brazing of galvanised steel plates. This function ensures maintenance of the material in terms of corrosion and strength. This minimizes post-treatment and reduces the risk of distortion of plates and profiles which again contributes to cost-effective and efficient welding.



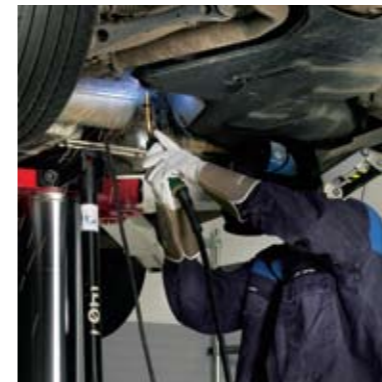
*Automig control panel with simple adjustment of welding parameters and MIG brazing*



*Automig 223i DUO with the possibility of easy switch-over between welding operations*



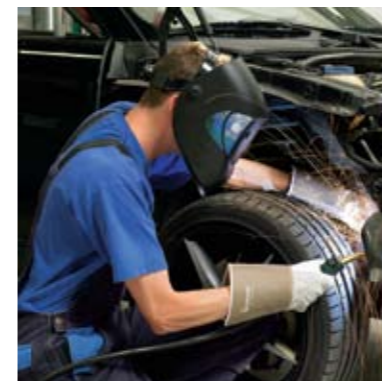
# The versatile Automig - designed for the future



*Repair of exhaust pipe suspension*



*MIG brazing of C pillar*



*MIG brazing of front fittings*



*MIG brazing joint*

## Automig features

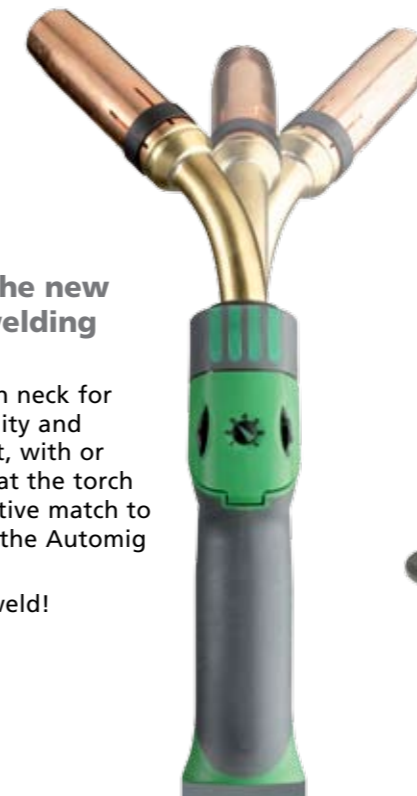
- Compact and handy welding machine
- Matches new materials and individual patterns of use in all welding environments
- Synergic programs eliminate risk of errors
- MIG brazing of galvanized steel
- 4-roll wire feed system for safe feeding – also of the soft wires
- DUO function for easy switch-over between welding operations
- Standby function (30 W idling): energy-saving, less CO<sub>2</sub> emission, long life of components

*Automig 223i and 273i on small trolley*

## MIG-A Twist® - the new generation of welding hoses

With a turnable swan neck for ultimate functionality and comfort; MIG-A Twist, with or without adjustment at the torch handle, is the ultimate match to the control panel of the Automig welding machine.

Switch on – press – weld!



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We reserve the right to make changes

POWER SOURCE	Automig 223i	Automig 223i DUO	Automig 273i
Mains voltage +/- 15%	3x400 V	3x400 V	3x400 V
Fuse	10 A	10 A	10 A
Duty cycle 100% at 40°C	145 A	145 A	175 A
Duty cycle 60% at 40°C	170 A	170 A	195 A
Duty cycle 100% at 20°C	180 A	180 A	230 A
Duty cycle 60% at 20°C	220 A	220 A	245 A
Current range	10-220 A	10-220 A	10-270 A
Protection class	IP23	IP23	IP23
Norm	EN60974-1/5/10	EN60974-1/5/10	EN60974-1/5/10
Dimensions H x W x L, cm	55x25x64	96x57x87	55x25x64
Weight, kg	25	54	26

PROGRAM PACKAGE		Automig i	
Material	Wire Ø/mm	Welding	Brazing
Fe SG 2	0.6 - 1.0	•	
AlMg5	0.8 - 1.0	•	
CuAl8	0.8 - 1.0		•
CuSi3	0.8 - 1.0		•

The program package is for guidance only; several optional wire/gas combinations are also included.

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