



# MAXIQ

WELDING TOGETHER



WARRANTY  
UP TO  
**5**  
YEARS

SINCE 1950  
  
MADE IN ITALY



# MAXIQ



SOMETHING DIFFERENT IN THE WELDING MARKET

**SIMPLE AND STRONG**

**HYBRID SYNERGIC™ CONTROL**

**GREAT WELDING PERFORMANCE**



## MIG-MAG INVERTER EQUIPMENT WITH SEPARATE WIRE FEEDER

**MAXIQ's** represent the logic evolution of the conventional step adjustment MIG equipment. with a modern inverter integrated into a sturdy metallic structure and a simple and innovative digital control which will always grant high Quality welding performances.

**MAXIQ's** keep the adjustment simplicity of the conventional MIG equipment, with two single knobs to set Voltage and Wire Speed, offering so the pleasure to set welding parameters as wished; this without that any pre-selected synergic programs chose the parameters on your behalf.

**MAXIQ's** also allow to weld with the HYBRID SYNERGIC™ mode which always detect the best feed back during the whole welding process, thus granting the same welding performances as the most modern equipment also in manual MIG mode.

These power sources represent the best choice in all industrial fields for all qualified applications, such as medium and large fabrication work, shipyards and steel erection



## HYBRID SYNERGIC™

This control represents something absolutely innovative in the welding world.

While keeping the welding equipment in manual adjustment, the HYBRID SYNERGIC™ - depending on the material and the diameter of the wire used - defines the best response in terms of starting and depositing of the wire throughout the welding cycle.

### SMART LED ASSISTANT

In addition, a "smart LED" signal helps less skilled operators to set the most appropriate welding parameters.



## FEATURES

- Two MIG/MAG welding modes : MANUAL and HYBRID SYNERGIC™
- All Parameters digitally controlled directly from the wire feeder
- “Hybrid Synergic™ PRE SET” key for the best welding characteristic according to used type of material and wire
- Great robustness due to solid metallic main structure
- “Energy saving” function to operate the power source cooling fan and torch water cooling only when necessary
- Excellent arc striking always precise and efficient
- Final crater control
- Burn-Back control
- Reduced energy consumption
- Trouble shooting auto-diagnosis feature
- **MAXIQ W** is fitted with an integrated water cooling unit for the torch

## MF 4 AND MF 4W WIRE FEEDER

Digital control of all parameters located directly on the MF4 (air cooled) and MF4W wire feeders (water cooled).

- 4 rolls of large diameter
- Double groove rolls replaceable without any tool
- Wire spools up to 300 mm diameter
- Inspection window in the spool cover
- **MAXIQ** equipment in the air cooled version offer the possibility of utilizing up to 40 m long interconnecting cables from the power source to the feeder.



## FSC - FAST START CONTROL

It is the innovative arc striking control that reduces drastically the ignition time. By this new technology it is possible to have a quick and perfect ignition at every start. This is ideal for spot-welding and pre-assembly of components.

## CEA GOES GREEN – PREPARED FOR THE FUTURE

The new European Directive 2009/125/EC, better known as the ECODESIGN Directive, implement new standards of efficiency and eco-compatibility of welding machines. **MAXIQ**'s meet these requirements thanks to their high efficiency and less than 30W absorption with inactive machine, thus granting significant savings on electricity consumption.

The durability, reparability and recyclability of **MAXIQ**'s reduce their impact on the environment.

## SIMPLE AUTOMATION

**MAXIQ**'s are standard equipped with analogic-digital I/O. This allows to integrate very easily the power source into an automated welding equipment without any expensive and sophisticated external interfaces, usually necessarily supplied for robotics.







## CEA TORCHES – CX and CXH

MAXIQ can perfectly work with all the new CEA torches series CX and CXH.

### DIGITORCH TORCH

DIGITORCH allows you to view and adjust the main welding parameters directly from the torch display.

### UP/DOWN TORCH

MAXIQ has the possibility of working with up/down torches to easily adjust main welding parameters at the work place.

### PUSH PULL TORCH

Thanks to an additional synchronizer PCB kit (optional) it's possible to use push-pull torches up to 12m length, that keep the wire speed control constant and regular during all the weld.



CX - CXH



DIGITORCH

## OTHER ACCESSORIES

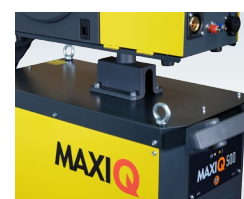
- WK4 kit of standard wheels
- WK2 kit of extra-large wheels
- Adjustable torch support
- Wire feeder holding support
- HK1 wire feeder hanging kit
- Remote control RC 178



WK4



WK2



HK1



RC 178

| TECHNICAL DATA             | MAXIQ                                |                                       |             |             |             |
|----------------------------|--------------------------------------|---------------------------------------|-------------|-------------|-------------|
|                            |                                      | 400                                   | 400 W       | 500         | 500 W       |
| Three phase input 50/60 Hz | V <sup>+20%</sup><br><sub>-20%</sub> | 400                                   | 400         | 400         | 400         |
| Input Power @ I2 Max       | kVA                                  | 19                                    | 19,5        | 25,5        | 26          |
| Delayed Fuse (I eff)       | A                                    | 25                                    | 25          | 32          | 32          |
| Power Factor / cos φ       |                                      | 0,82 / 0,99                           | 0,82 / 0,99 | 0,87 / 0,99 | 0,87 / 0,99 |
| Efficiency Degree          |                                      | 0,85                                  | 0,85        | 0,86        | 0,86        |
| Open circuit voltage       | V                                    | 62                                    | 62          | 62          | 62          |
| Current range              | A                                    | 10 - 400                              | 10 - 400    | 10 - 500    | 10 - 500    |
| Duty cycle at (40°C)       | A 100%                               | 300                                   | 300         | 390         | 390         |
|                            | A 60%                                | 350                                   | 350         | 430         | 430         |
|                            | A 35%                                | 400                                   | 400         | 500         | 500         |
| Wires                      | Ø mm                                 | 0,6 - 1,6                             | 0,6 - 1,6   | 0,6 - 1,6   | 0,6 - 1,6   |
| Standards                  |                                      | EN 60974-1 • EN 60974-5 • EN 60974-10 |             |             |             |
| Protection Class           | IP                                   | 23 S                                  | 23 S        | 23 S        | 23 S        |
| Insulation Class           |                                      | H                                     | H           | H           | H           |
| Dimensions                 | ↗ mm                                 | 1040                                  | 1040        | 1040        | 1040        |
|                            | → mm                                 | 495                                   | 495         | 495         | 495         |
|                            | ↑ mm                                 | 950                                   | 950         | 950         | 950         |
| Weight                     | kg                                   | 66                                    | 78          | 68          | 80          |

Other voltages available on rerequest

