

- ✓ Very high duty cycle
- ✓ Mobile wire feed unit
- ✓ Synergetic
- ✓ ABS shock resistant housing
- ✓ 5 years warranty



SOLDATECH 
powered by

MIG MAG welding machine synergetic 500A

product code: ML500YHG

This SolderTech powered by HG MIG / MAG welding machine can be set both synergistically and manually, equipped as standard with a solid trolley that can easily hold a 50L bottle. This synergetic machine makes it possible to perform various welding processes including MIG welding and also electrode welding with ease.

The modern IGBT inverter technology ensures that the ML500YHG delivers sustainable performance with more power and a very high duty cycle. The ML500YHG is also standard equipped with a powerful water cooler that, in combination with a built-in fan, prevents overheating and ensures high-quality welding performance is guaranteed for a long time.

The mobile wire feeder unit is also equipped with a control panel on which the welding voltage and current, among other things, can be easily adjusted. The power source is also equipped with preprogrammed synergetic programs for welding various materials.

Ideal for welding stainless steel, carbon steel, low alloy steel and aluminium (without pulse).

Every ML500YHG comes standard with:

- Water-cooled SolderTech MLT501M4 MIG torch
- Workpiece clamp with 3m 50mm² cable
- Standard 13mm Dinse cable coupling
- Gas pipe of 12m with quick coupling
- 5m cable grommet between cable package
- Heat resistant cover
- 5-pin 32A plug with 3m 4x4mm² cable
- 4x wire drive roll: 2x 0.8 + 1.0 and 2x 1.2V + 1.6V

Specifications	
voltage	400 V
frequency	50/60 Hz
fuse protection	32 A
input power	27,5 kVA
start-up voltage	73 V
duty cycle	60% - 500A / 80% - 433A / 100% - 387A (at 40 degrees ambient temperature)
welding current range	MIG 30-500 / MMA 10-500
weldable welding wire	0.8 / 1.0 / 1.2 / 1.6
cooling unit content	6 L
protection class	IP21S
dimensions	1133 x 498 x 1508 mm
weight	112 kg

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SOLDATECH HG

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Legend ML500YHG



IGBT
The latest IGBT inverter technology guarantees the best welding performance.



DC
Constant DC power output.



Thermal protection
Prevents overheating of the welding machine.



Anti-stick
The anti-stick function ensures that electrodes do not stick and weld easily.



Hot start
The hot start ensures a high start-up voltage so that all types of welding electrodes ignite easily.



A stepless
Infinitely adjustable Ampere to an accuracy of 1 ampere.



V stepless
Infinitely adjustable voltage.



3Phase
3 phase 400V input.



ARC FORCE
With the ARC FORCE, welding depths can be easily set during electrode welding.



Arc Welding
Welding machine can also ARC weld (electrode welding).



Flux
Reverse polarity is possible so that powder-filled wire can be welded gas-shieldedly.



Inductance
Adjustable inductance allows the width and depth of the weld pool to be adjusted in MIG welding.



Double Wire Feed
Double roll wire feed.



Slow Wire Feed
At start-up, the wire starts slow, then accelerates to the selected settings once ignition is successful.



Aluminum Wire Feed
equipped with solid aluminum wire feed.



Portable Wire Feed
Portable wire feed unit.



Ball Cut Function
Prevents drop formation on the welding wire so that the welding wire can be used immediately for the next weld.



Synergetic
Device automatically applies the most ideal welding settings.



Burn Back Time
Once welding stops, the welding current and gas flow continue so that the welding wire does not jam and get stuck in the weld.



Digital
Digital display.



Water Cooler
Equipped with a water cooler.



2T/4T
2T: Press 1x for on. Release for off.
4T: Press and release 1x for on. Press again and release for off.