

The NEOMIG-i 500 G is a three-phase, multi-process power source with separate wire feeder. Its advanced digital technology and duty cycle ensure excellent arc characteristics for industrial MIG/MAG applications. The integrated synergies make set-up considerably easier, and reduce spatter during welding. When equipped with the WF wire feeder, the machine offers precise control of the welding parameters in order to deliver the best possible results.

MULTI-PROCESS

- **MIG/MAG:**
 - steel and stainless steel wire: Ø 0.6 to 1.6mm
 - aluminium wire: Ø 0.8 to 1.6mm
 - CuSi and CuAl wire: Ø 0.8 to 1.6mm
 - cored wire (polarity reversal) : Ø 0.9 to 2.4mm
- **MMA DC / Pulse:** basic, rutile and cellulosic electrodes.
- **TIG DC Lift / Pulse.**
- **Air-arc gouging.**

INTELLIGENT

- **Specific synergies for:** Steel, AlMg, AlSi, CrNi, CuSi.
After entering 3 pieces of data: Wire diameter, material/gas and thickness, the product automatically determines the optimal welding parameters.
- Full machine software and synergy updates available via USB stick.
- **Storage of up to 200 welding programs (Jobs)** for recurring tasks.

PREMIUM WELDING

- High duty cycle of 60% at 500A.
- Digital arc control with instantaneous ignition.
- Very stable arc which helps to reduce welding spatter.
- Compatible with WF 35 and WF 50 wire feeders.

MAXIMUM CONNECTIVITY

- Traceability of all weld beads according to EN 3834.
- Calibration mode for welding accessories in order to amend the voltage displayed.
- Connectable via an optional kit (062993) for use with robotic systems.
- User mode to share the product between multiple operators.
- Free online tool to customise the interface.
- Compatible with KOOLWELD 2 cooling unit (075115).
- Optional Push-Pull torch connection (078741) for WF 50 wire feeder.

INDUSTRIAL DESIGN

- IP23 protection rating.
- On-demand ventilation system to reduce dust ingress and power consumption.
- Ideal height to view settings conveniently.
- Reinforced housing for demanding environments.
- Easy disassembly for maintenance.
- Optional dust filter (046580).
- Interconnection cables up to 10m for an extended working area.



Delivered without accessories, with no additional elements (power source only)



ACCESSORIES (optional)



Separate wire feeder
WF 35 | WF 50
50 W | 100 W
3.5" HMI | 5" HMI
075078 | 075108

MIG-i interconnection cable

Length	Liquid		Air	
	70 mm ²	075467	70 mm ²	075443
1.8 m			5 m	075450
5 m	075474		10 m	077553
10 m	70 mm ² 075481		95 mm ² 077553	
	95 mm ² 075504			

KOOLWELD 2 cooling unit



50/60 Hz	A	I ₂ MIG	I ₂ MMA	I ₂ TIG	Ø mm	EN 60974-1 (40°C)						U ₀	cm	kg	m	IP
						MIG-MAG		MMA		TIG						
						IA (60%)	100%	IA (60%)	100%	IA (60%)	100%					
400 V 3~	32	15 → 500	20 → 500	1.6 → 6	500 A	400 A	500 A	380 A	500 A	400 A	86	75 x 30 x 49	37	5	IP23	