

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.
- 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 20m for an extended working area.

ACCESSORIES (optional)



Separate wire feeder

WF 35	WF 50
50 W	100 W
3.5" HMI	5" HMI
075078	075108

MIG-i interconnection cable

Liquid		Air	
Length	Wire diameter	Length	Wire diameter
1.8 m	70 mm ²	5 m	70 mm ²
5 m	70 mm ²	10 m	70 mm ²
10 m	70 mm ²	10 m	95 mm ²
	95 mm ²	15 m	95 mm ²
15 m	95 mm ²	20 m	95 mm ²
20 m	95 mm ²		

KOOLWELD 2 cooling unit



075115



Trolley
10m³ L
075498



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



WF 35 - 3.5" HMI

WF 50 - 5" HMI

						EN 60974-1 (40°C)										
50/60 Hz	A	A	A		Ø mm	MIG-MAG		MMA		TIG		V	cm	kg	m	IP
						IA (60%)	100%	IA (60%)	100%	IA (60%)	100%					
400 V 3~	32	15 → 500	20 → 500		1.6 → 6	500 A	400 A	475 A	380 A	500 A	400 A	86	75 x 30 x 49	37	5	IP23