

The NEOPULSE 220 C XL is a single-phase pulsed MIG/MAG generator with digital technology. Designed for the highest performance level using the latest technology, it features numerous synergic curves and exceptional arc quality/performance. Intuitive and highly functional, the digital interface allows for quick and easy modifications of the welding parameters. Fitted with an accurate and powerful 4 drive roll feeding system, the NEOPULSE 220 C XL offers manufacturers maximum productivity.

MULTI-PROCESS WELDING

■ MIG/MAG :

- steel and stainless steel wire: Ø 0.6 to 1.0 mm
- aluminium wire: Ø 0.8 to 1.2 mm
- CuSi and CuAl wire: Ø 0.8 to 1.0 mm

■ MMA DC / Pulse : basic, rutile and cellulosic electrodes (up to Ø 5 mm).

■ TIG DC / Pulse.

SMART

- **SYNERGIC mode:** After selecting 2 criteria (material/gas combination and the wire diameter), NEOPULSE automatically works out the optimal welding conditions while still allowing you to adjust the settings (wire feed rate, voltage, current, arc length).

ACCURATE

- **Calibration** of the wire feed speed to adjust the displayed voltage measurement and refine the energy calculation.
- **Energie**, display and energy calculation after welding based on standards EN1011-1, ISO / TR 18491 and QW-409.
- **Portability** : load/backup user JOBS and machine configuration from a USB key.
- **Traceability** : trace / record all welding steps, cord by cord, during industrial manufacturing in line with standard EN ISO 3834.

OPTIMISED MIG/MAG SETTINGS

- **6 MIG-MAG welding modes:** Standard Dynamic, Standard Impact, Standard Root, Pulsed, Modularc and Manual.

To learn more about GYS pre-installed user settings, scan the QR code or click [here](#).

- **TACK modes:** SPOT and DELAY.

- **Trigger options supported:** 2T and 4T.

- **Precise control over the welding cycle** : CreepSpeed, Softstart, Hotstart, Upslope, Downslope, Crater Fill, Postgas, etc.

Supplied without accessories

MAXIMUM PRODUCTIVITY

- **4 microprocessors** giving four times the processing power.
- **High productivity** thanks to high duty cycle (150 A @ 60%).
- **Compatible wire reels:** Ø 200 / 300 mm.
- **Powerful 4 roller wire-feeder** for efficient wire feeding.
- **Very high arc voltage** for easier ignition and exceptional arc dynamic.

INTUITIVE

- New user friendly interface focused on welders' navigation habits.
- Update of the machine and synergies using a USB key.
- Storage of 500 welding programs (can be saved on USB stick).
- Displays current/voltage during and after welding (WPS/PQR).
- Choice of the main parameter to display on the screen (wire speed, average welding current, etc.).
- Internal lighting of the wire feed motor and wire reel.
- Viewing window on wire door to check the state of wire.
- Intelligent ventilation management to reduce power consumption, dust intake and noise.
- Compatible torch Push Pull (24 V).

ROBUST AND MOBILE

- Reinforced metal case & non slip rubber pads.
- IP23S case.
- 2 handles for easier mobility.



3 levels of interface for the user:

- Easy: simplified features
- Expert: full display
- Advanced: full access to all parameters

50/60 Hz	A	A	GAS	NO GAS	200	300	Ø mm	Ø mm	Electronic Control	m/min	équipé d'origine / original equipment / originalausstattung / equipamiento de fabrica	MIG-MAG	MMA	TIG	U ₀	cm	kg	IP	Protected & compatible power generator (+/-15%)
230 V 1~	16	10 → 220	0.6 - 1.2	0.9 - 1.2	✓	✓	1 → 5	Ø mm	Electronic Control	0.5 - 20	0.8 - 1.0	EN 60974-1 (40°C)	EN 60974-1 (40°C)	EN 60974-1 (40°C)	80	61 x 32 x 49	29.5	IP 23S	7.5 kVA