



MASTERWELD™
HDP - High Deposition Pulse

Power Pulse 500 *HDP*

Power Pulse 500 HDP is an Heavy Duty (400A 100% at 40°C) professional 3 Phase Inverter Power Source with separated wire feeder **WF 104**. **WF 104** is a **portable 4-roll drive** wire feeder designed to withstand severe environmental conditions. MIG/MAG available modes are: **Manual, Synergic, Pulse Synergic and Double Pulse Synergic**. MMA, MMA cellulosic, Lift TIG DC and ARC AIR cutting and gouging processes are also included. **Pulse Synergic and Double Pulse Synergic** modes guarantee excellent bead appearance without spatters and deformations of aluminum, stainless steel and mild steel welding. **Power Pulse 500 HDP** is ideal for applications in workshops, automotive and construction and high standards welding requirements. A wide range of **MIG-MAG synergic programs** facilitate the fast selection of precise welding parameters using any welding wires:

- MAT (wire type)
- Ø (wire diameter)
- Gas (shielded gas type)

Welding parameters (wire speed, amps or material thickness) **Power Pulse 500 HDP** can be easily moved on difficult working areas thanks to robust designed K-Trolley.

Features

- Modular concept allows multi-welding processes
- Cooling Unit available
- Fan on demand and Built-in Wind Tunnel protects electronic devices from dust and saltiness and improves reliability
- Up to 8mm diameter electrode welding is possible in MMA
- Excellent welding with Cellulosic Electrodes
- Arc Air gouging and cutting up to 8mm electrode
- Lift TIG DC ignition reduces Tungsten inclusions
- 3T Special allows both Hot Start and Crater Filler current setting, for optimal penetration at start and crater filling at bead's end
- Memory locations for welding process repeatability
- Push-Pull torch applicable for MIG aluminum welding



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Details

Input voltage	3x400Vac ± 15% @ 50-60Hz								
Amperage draw	32A								
Duty cycle	MIG-MAG			TIG			MMA		
% [40°C]	50%	60%	100%	50%	60%	100%	50%	60%	100%
Amps	500A	450A	400A	500A	450A	400A	500A	450A	400A
Amps - Min &Max	5A - 500A			5A - 500A			5A - 500A		
Open circuit voltage (OCV)	83V								
P1MAX	26kVA - 22kW								
IP	23S								
Dimensions	1100 x 500 x 1440mm								
Weight	132,0Kg								

Processes: MIG/MAG - TIG DC - MMA - ARC AIR

CE Directives: 2002/95/CE, 2004/108/CE, 2006/95/CE

CE Standards: EN 60974-1, EN 60974-10

Power inverter inside

- Higher efficiency
- Lower energy demand

MIG/MAG PULSE - DOUBLE PULSE

- High arc quality
- High welding quality

HDP (High Deposition Pulse)

- High Deposition pulse technology for thicker materials

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www.masterweld.co.uk