

NGEN-AC-LW

EN SERIES

NGEN
EMPOWERING FUTURE

NGEN AIR-COOLED
HANDHELD LASER WELDING MACHINE



MODEL OPTIONS

Model	Laser Power	Net Weight	Power Consumption	Cooling System
NGEN-AC-LW-800W EN	800W	51 kg	2.5 kW	Air Cooling
NGEN-AC-LW-1500W EN	1500W	59 kg	4 kW	Air Cooling

SPECIFICATION

Laser Source Type	Air-cooled Continuous Fiber Laser
Power Adjustment Range	1%–100%
Central Laser Wavelength	1080±3 nm
Power Instability	≤ 3%
Welding Torch Cable Length	10 m
Torch Type	Lightweight Swing Handheld Welding Torch
Torch Weight	0.70 kg
Shielding Gas Mode	Coaxial Gas Protection
Adjustable Weld Width	0.1–6 mm
Working Temperature	-20°C to 45°C
Ambient Humidity	＜70%
Wire Feeding System	Integrated Built-in Wire Feeder
Overall Dimension	62 × 40 × 64 cm
Input Voltage	Single Phase 220V, 50/60Hz

Product Features

• 4-in-1 Versatility: Easily switches between welding, cutting, and rust/paint cleaning.
• Air-Cooled & Lightweight: Eliminates water chiller maintenance and includes a 27% lighter ergonomic torch for easy transport and reduced fatigue.
• High Efficiency & Quality: Advanced inverter technology delivers deep penetration, clean welds with low distortion, and no grinding required.
• User-Friendly: Intuitive digital touchscreen quickly saves and recalls welding parameters.
• Reliable Support: Backed by a 3-year warranty.



Designed in CANADA
Built to Last

NGEN INDUSTRIES INCORPORATED
100 Matheson Boulevard East Mississauga
Ontario Canada
www.ngen-global.com