



DNE HANDHELD LASER WELDER

ACHIEVE FLAWLESS FUNCTIONALITY, SMOOTH WELDING, AND UNPARALLELED OUTCOMES EFFORTLESSLY!

Product Model		DNE HW-60	DNE HW-40	DNE HW-30
Weld Thickness* (in)	Stainless Steel	0.24	0.16	0.12
	Carbon Steel/Iron	0.24	0.16	0.12
	Aluminum	0.20	0.14	0.10
	Galvanized Sheet	0.24	0.16	0.12
	Brass	0.16	0.12	0.08
	Copper	0.12	0.06	--
Wobble (up to)		0.16	0.16	0.16
Operating Temperature (F) (up to)		104	104	104
Weight (lbs)		86	84	55
Dimensions (LxWxH)		26.3*10.9*21.3	26.3*10.9*21.3	22.7*10.4*16.7
Volume (cubic feet)		<3.5	<3.5	<2.1
Armored Fiber Cable Length		18.4	18.4	14.3
Voltage (v)		200-240		
Phase		Single		
Power (kW)		6	4.8	3
Amps (a)		28	25	22
Frequency (Hz)		50/60		
Cooling Gas		Nitrogen or Argon		
Cooling Gas Purity		99.99%		
Cooling Gas Pressure		11 to 72 psi		
Gas Flow (SCFH)		55		
Gas Connection		6		



When compared to traditional welding methods, DNE's handheld laser welders present a lightweight, compact, and adaptable solution. These units are user-friendly across various materials such as stainless steel, carbon steel, aluminum, galvanized steel, and copper. They boast up to four times faster welding speeds, increased weld strength, and decreased porosity. With a 20 μ spot size, the DNE HW series minimizes heat-affected zones, weld deformation, and burn-through. DNE's laser welding process yields clean, uniform weld beads that necessitate minimal post-processing. Ultimately, our DNE HW series enhances efficiency, productivity, waste reduction, and cost savings, ultimately enhancing your profitability.



Wire Feeder Model	S1-20
Mode	CW/Pulse
Wire Speed (ipm)	4.7 to 226.7
Wire Diameter	.03/.039/.047/.062
Control System	All setting son HHW
Wire Feed Accuracy	.39/- .19
Wire Weight (lbs)	55
Weight (lbs)	17
Dimensions (LxWxH)	29.3 x 9.9 x 12.45
Operating Temperature	0-113
Humidity (%RH)	<90

DNE HANDHELD LASER WELDER FEATURES

CONSISTENT PERFORMANCE AND DEPENDABLE QUALITY

The latest DNE handheld laser welders from integrate cutting-edge laser technology from Maxphotonics, ensuring precise laser control and consistent beam quality. With a laser power source lifespan of around 100,000 hours, all of our products adhere to SGS industry standards, ensuring enduring and reliable beam output.

PORTABLE HANDHELD WELDING TORCH

Our welding torch, with its innovative laser optic design, weighs just 1.5lbs. It integrates seamlessly with a high-efficiency QCS output head, ensuring exceptional heat output. Ergonomically crafted for user comfort, it features a built-in wobble function and multi-point interlock system for safe, consistent welding all day long.



MOBILE AND COMPACT

DNE's latest handheld laser welders are designed with portability in mind, perfect for on-the-go welding tasks. With different weight options, you can select the model that aligns best with your welding requirements and performance standards. DNE's compact design, further enhances portability, facilitating effortless transport and setup.

EASY-TO-USE OPERATING SYSTEM WITH INTUITIVE PROCESSING MODE

The latest DNE series of handheld laser welding products boasts a 7" LED touchscreen. With straightforward operation modes, users can easily dive into their tasks. Pre-loaded with multiple sets of process parameters and offering precise user customization, the device allows operators to swiftly select welding parameters tailored to different materials and thicknesses.

BUILT FOR EXCEPTIONAL PERFORMANCE, OUR PRODUCT IS BOTH LIGHTWEIGHT AND PORTABLE.

Traditional welding techniques require considerable time and expertise to master, with weld quality heavily reliant on the welder's specialized training and years of experience. Enter the latest line of DNE's handheld laser welding devices, designed to revolutionize the welding landscape. Offering heightened welding efficiency, straightforward operation, and user-friendly technology, these products empower individuals to swiftly attain consistently high-quality welds across various materials and thicknesses, requiring minimal training.



DNE LASER