

WELD^X HAND-HELD LASER WELDER

Cut. Clean. Weld.



One system.
Multiple capabilities.
WLP-1500 | WLP-2000 | WLP-3000.



Stronger. Smarter. Cleaner.

Introducing **WELDX**

AN INDUSTRIAL STRENGTH LASER WELDER
THAT WORKS YOUR WAY.

WeldX is engineered for fabricators who demand more than just another handheld welder. Built on small-core fiber technology and powered by Tru Cool Technology™, it delivers faster, cleaner, stronger welds on stainless, steel, galvanized, aluminum, brass and even copper. Whether you're a seasoned welder or picking up the torch for the first time, WeldX makes high-quality welding simple.



Why WELDX?



Always Ready

Tru-Cool Technology™
stable performance in
almost any environment



Stronger by Design

Smallest spot size in
the industry for
deeper penetration,
cleaner seams, and
stronger welds.



Easy to Learn

With up to 50 welding
presets, even first-time
operators can weld like
pros.



More than Welding

Built-in cutting and
cleaning functions
expand your shop's
capabilities.



PERFORMANCE & INNOVATION



Power Built For **INDUSTRY**

WeldX pushes the boundaries of laser technology, combining precision with industrial strength to help fabricators work smarter, finish faster, and deliver with confidence.

The WeldX featherweight torch weighs in at just 390 grams and the ergonomic 120° grip angle reduces operator fatigue, even on long shifts. Fully enclosed optic assembly keeps dust and debris from entering critical areas, extending component life for consistent welding performance shift after shift.

HOW IT WORKS

At the core of WeldX is a simple promise: precision without compromise. Using advanced fiber laser technology, WeldX reduces rework, increases productivity, and delivers unmatched control — whether you're welding, cutting, or cleaning.

WeldX also redefines spot welding with a repeatable process traditional methods can't match:

- **Preheat Phase** – gently warms the metal for optimal bonding.
- **Welding Phase** – a controlled energy burst creates perfect fusion with excellent penetration.
- **Finish** – identical results every time, with less distortion, even on thin or delicate metals.



Precision. Power. Performance.

WeldX delivers deeper weld penetration across more materials including stainless steel, steel, aluminum, galvanized, brass and even copper. WeldX features advanced beam control with Tru-Cool technology™. It delivers speed, strength, and consistency that other welders just can't match.

Designed for demanding shops, WeldX reduces distortion, porosity, and rework — producing strong, clean welds that require little to no cleanup. Its ultra-small spot size, precision optics, and smart process controls make it more efficient, more powerful, and up to 10X faster than MIG or TIG.



Up to 10X Faster

Compared to TIG or MIG. With increased throughput and reduced costs.



Deeper Penetration

Deeper fusion with consistent, repeatable results across a wide range of materials



Stronger Joints

Cleaner welds with higher tensile strength, minimal porosity and less distortion.



80% Energy Savings

Slash energy costs compared to MIG/TIG. WeldX delivers more with less.

Built Into Every WeldX:



Tru-Cool Technology™ — stable performance in almost any environment with operating temperatures from as low as -20°C to as high as 60°C.



Precision wire feeder — anti-bounce and anti-plasma technology ensures smooth wire delivery in any position.



Mobile app— WeldX gives you the power of a personalized mobile app to let you set up to 50+ custom settings. The WeldX App allows your settings to move with you and transfers to the WeldX system you're working on. Your Welder, Your Way.



Spot Welding Mode — laser preheats, welds, and finishes with identical results every time no matter the operator.



Built-in cutting capability streamlines prep and expands your shop's versatility.



One of the lightest torches in the industry — ergonomic 120° grip, 50°–60° wire angle for fatigue-free use.

Built for Every Industry

From high-volume manufacturing to in-field welding, WeldX is engineered to adapt to the toughest jobs. Its ability to weld thicker stainless, steel, aluminum, galvanized, brass, and even copper makes it the most versatile choice for welders across industries. And with integrated cutting and cleaning functions, WeldX saves time on prep and finishing — so you get more done with one system.



Unmatched Cooling

Tru-Cool™ keeps WeldX cool running shift after shift in just about any environment.



Aluminum Ready

Superior performance on aluminum and dissimilar metals where others struggle.



Industrial-Duty Reliability

Engineered for heavy use in any environment.

WeldX is trusted across industries where precision, speed, and reliability matter most.

- Maintenance & Job Shops – versatile system ready for diverse daily tasks.
- Sheet Metal & Manufacturing – consistent results on thin to heavy.
- Construction & Repair – portable, reliable, built for field conditions.
- General Fabrication – faster throughput with less distortion and rework.
- Food & Pharma Equipment – smooth stainless seams for sanitary, easy-to-clean welds.
- Automotive & Aerospace – high-strength welds for body, frame,

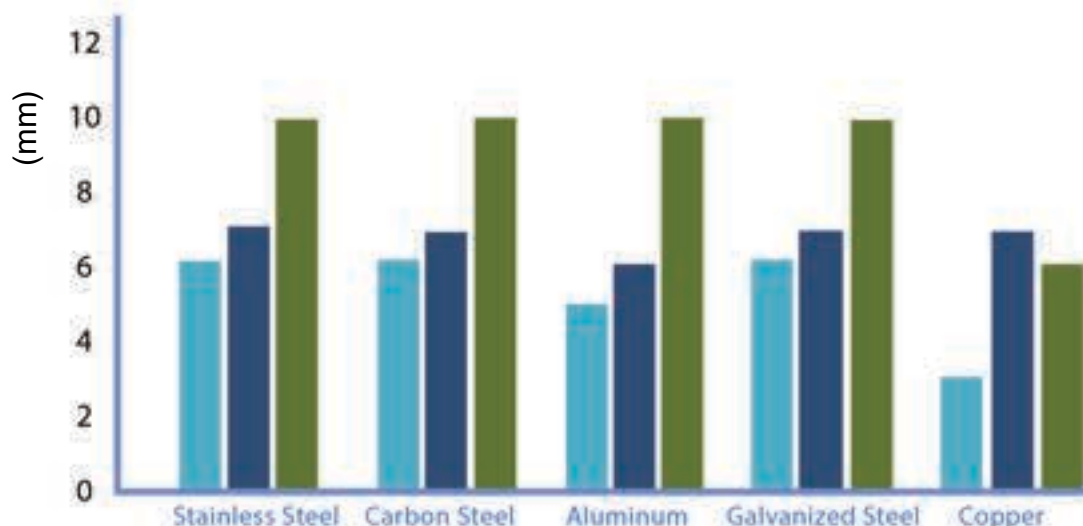
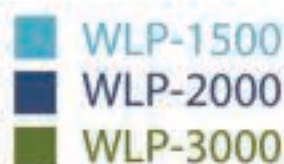
WeldX is engineered to be the most versatile handheld welding solution available today. By combining advanced small-core fiber optics with Tru-Cool technology™, WeldX delivers the speed, strength, and consistency that fabricators demand.

Unlike traditional welders, WeldX goes beyond the weld — with built-in cutting and cleaning modes that simplify prep and finishing. The result is a single tool that can handle multiple materials, adapt to a wide range of industries, and deliver industrial-duty reliability shift after shift.

WeldX delivers consistent penetration across a wide range of metals and power levels. From thin sheet to heavy plate, its precision optics and refrigerant cooling ensure repeatable results every time.

MATERIAL PENETRATION

DEPTHS FOR HANDHELD
LASER WELDING



Technical Specifications

	WLP-1500	WLP-2000	WLP-3000
Laser Power	1500 W	2000 W	3000 W
Welding Speed (cm/min)	20–250	20–250	20–250
Fiber Core Diameter	14 μ m	14 μ m	25 μ m
Cooling Mode	Tru-Cool™ Refrigerant Cooling		
Operating Temperature	–20°C to 60°C		
Dimensions (mm)	675×310×580	675×310×580	863×410×724
Weight (kg)	~45 kg	~55–60 kg	~65–70 kg
Wire Diameter Range (mm)	0.8–2.0	0.8–2.5	0.8–2.5
Preset Programs	30+	40+	50+
Custom Programs	20	20	20
Welding Modes	Spot, Pulse, Continuous		
Cable Lengths (m)	5–10	5–15	5–20

THE FUTURE OF FABRICATION, IN YOUR HANDS

WeldX isn't just a welder. It's a complete fabrication tool. Built to cut, clean and weld with unmatched precision and reliability. It gives fabricators the power to finish jobs faster and take on more work.

With WeldX, you will deliver consistently higher quality results while reducing rework and downtime. Every weld is cleaner, stronger, and built to last.



WeldX — the handheld laser welder built for the future of fabrication.

SEE IT IN ACTION.
Schedule your demo today.



+1 978.342.9800 | sales@vytek.com
195 Industrial Rd, Fitchburg, MA 01420 USA
www.weldlight.com to find a dealer near you



1064nm wavelength laser light emitted from this system is invisible and may be harmful to the human eye. Proper laser safety eyewear must be worn during operation.