



**FIBER  
LASER  
SERVICES**

# **MAXPHOTONICS**

## **X1W-1500 HAND-GUIDED LASER WELDER**





# MAXPHOTONICS X1TW-1500

Our hand-held laser welding machines can be widely used throughout all kinds of industries with various needs.

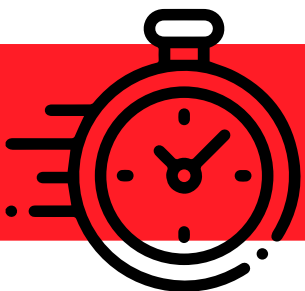
The simple operation combined with a clean welding result and a high welding speed makes it a perfect tool for different welding jobs. The portable and lightweight design of the machine provides operators with the flexibility to use it wherever needed

## SIMPLE & HASSLE-FREE OPERATION

Our hand-held laser welding machines can be easily operated with just a basic training. This makes it easy to achieve great welding results.

The integrated wobble functionality enables the lightweight and flexible head to therefore weld any part of a workpiece, making welding work more cost and energy efficient.

## LOWER HEAT IMPACT



**4X FASTER**  
COMPARED TO TIG WELDING



## KEY FEATURES

- ✓ Small & portable
- ✓ Clear interface
- ✓ Flexible & convenient
- ✓ Great welding results
- ✓ Wobble technology
- ✓ Saving cost
- ✓ Easy to use

Thickness	Welding Shape	Power (w)	Scan Width ( mm)	Scan Speed ( mm/sec)	Feeding Wire (mm)
1mm	Flat welding	500~600	3.0	350	0.8~1.0
2mm	Flat welding	600~700	3.0	350	1.2
3mm	Flat welding	700~1000	3.5	350	1.2~1.6
4mm	Flat welding	1000~1500	4.0	350	1.6

Size [LxWxH]	667 x 276 x 542 mm
Weight	39 kg
Optical Output Power	1500 W
Operating Mode	CW and pulsed
Laser Wavelength	1080 nm
Swing Width	0 ~ 4 mm
Swing Frequency	0 ~ 300 Hz
Cooling Method	Air
Operating Ambient Temperature	10° - 40° C
Operating Ambient Humidity	10 % - 85 %
Input Voltage	220 VAC / 50 Hz / 60 Hz
Input Power	6 kW
Average Load Power	6000 W / 4500 W



# **FIBER LASER SERVICES**

**[www.fiberlaserservices.co.za](http://www.fiberlaserservices.co.za)**

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