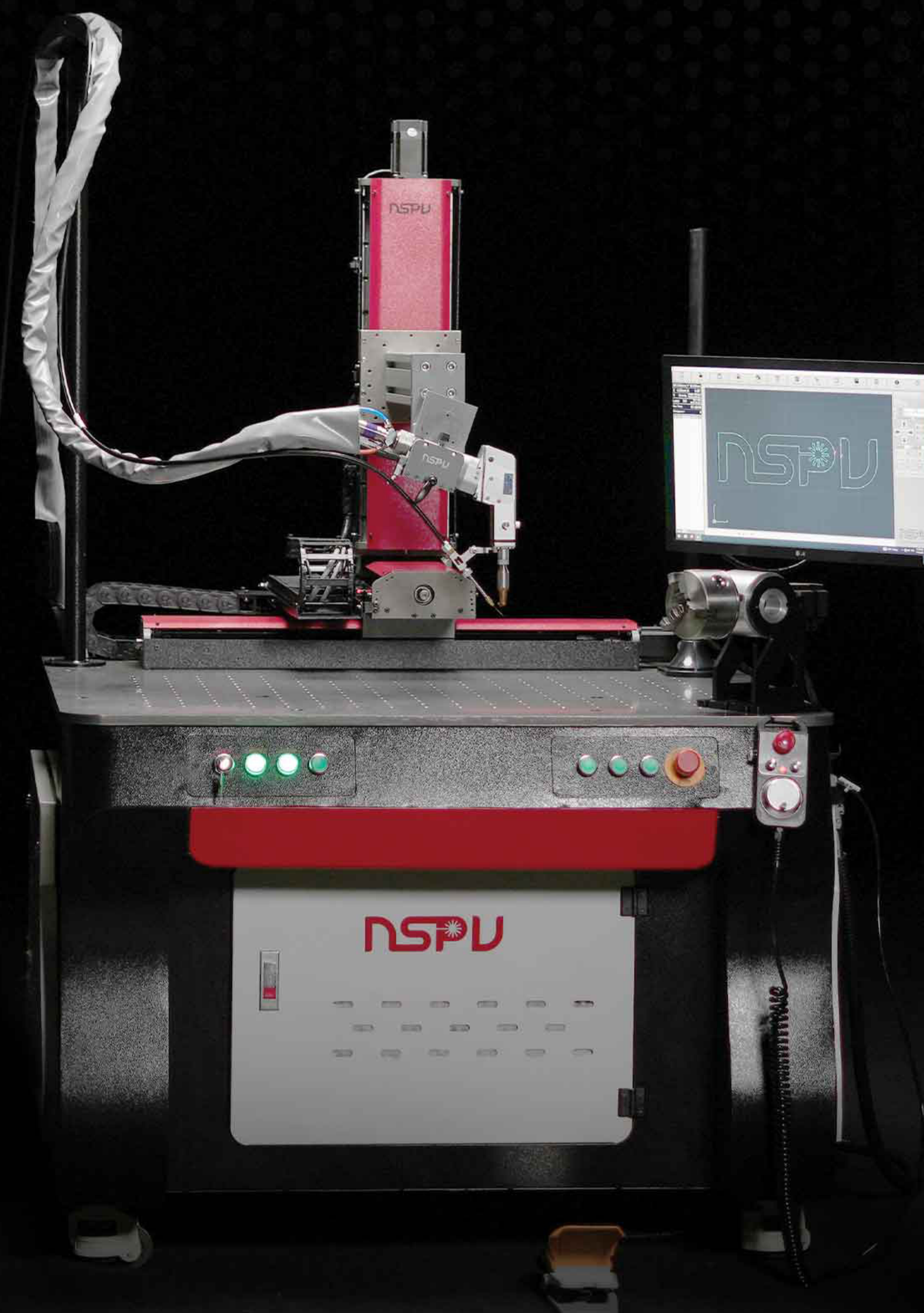


MANUAL-AUTOMATIC LASER WELDING MACHINE



NSPV

3 models | **MANUAL-AUTOMATIC
LASER WELDING MACHINE**
VHAL W-1000 | VHAL W-1500 | VHAL W-2000



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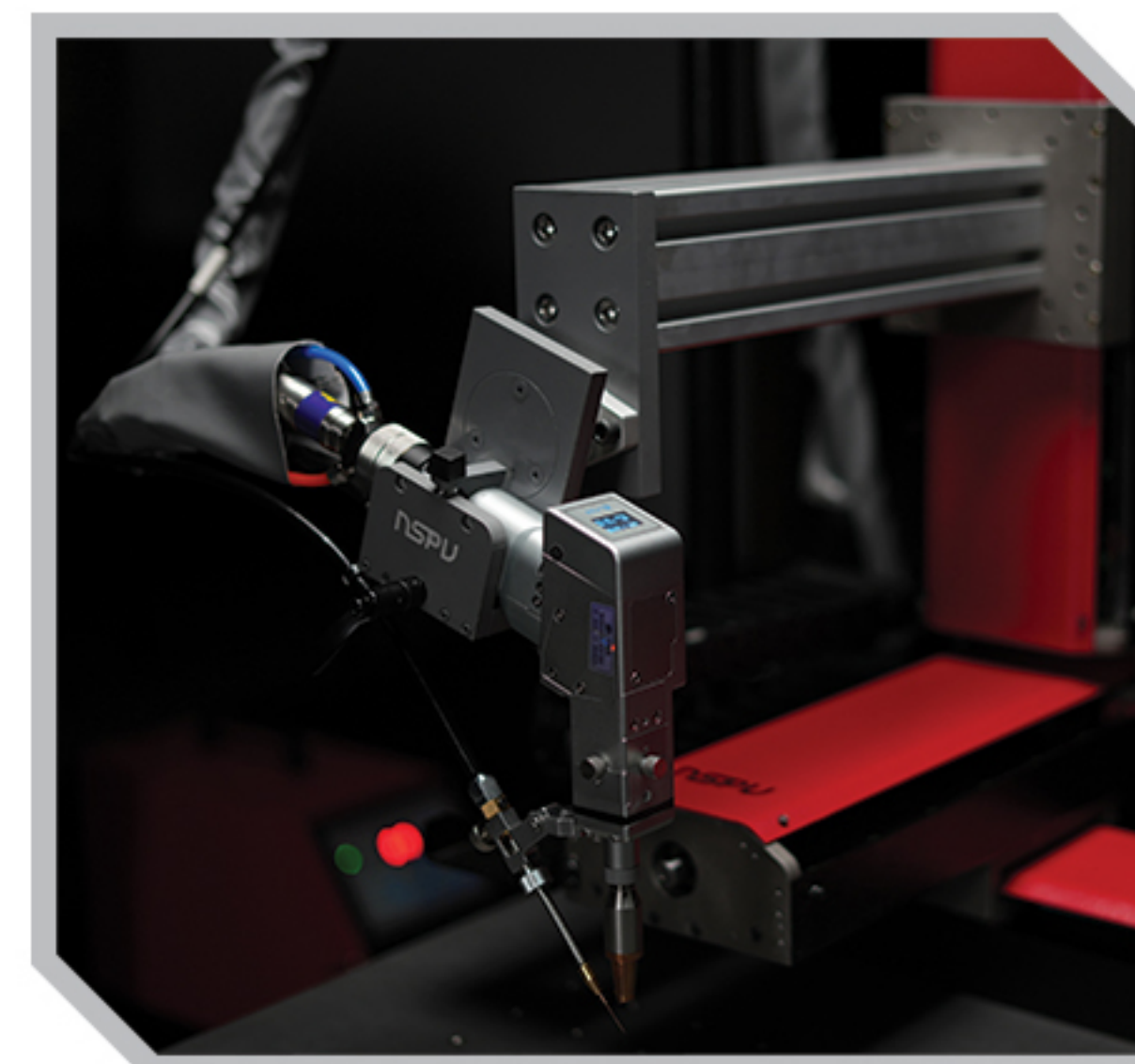
MANUAL-AUTOMATIC LASER WELDING MACHINE

features of the machine:

- Ability to weld simultaneously in both manual and automatic styles
- ability to adjust spot diameter
- ability to select different weld shapes
- Equipped with an alarm system to protect the device
- High speed and accuracy during the welding process
- Welding miniature and small parts with high precision
- Real Time display of control values during the automatic welding process
- Equipped with a foot pedal to control welding and a handwheel for accurate axis movement

applications:

Electronics industry,Pharmaceutical industry,Healthcare industry,Medical equipment industry,Food industry
Packaging industry,Automotive industry,Home appliances industry,Battery manufacturing,Paint and printing
industry,Petrochemical and refining industry,Pneumatic components



MANUAL-AUTOMATIC LASER WELDING MACHINE

Model	VHALW-2000	VHALW-1500	VHALW-1000
laser power	2000w	1500w	1000w
Laser source	Fiber laser		
Wavelength of the laser	Fiber laser 1080 nm		
Beam quality	M2 Less than 1.3		
Laser mode	Continuous		
Pulsed frequency	1-50000 Hz		
Power adjustment capability	0 to 100%		
Weld spot diameter	0.2-5 mm		
Focal length	F150 mm		
Weld location adjustment	Equipped with a red light indicator		
Fiber cable length	10 meters		
Cooling system	water-cooled chiller		
Welding head	*Manual welding gun with the ability to be mounted on an automatic system		
Welding speed	Dependent on laser power up to 80mm per second		
Positional accuracy on the axes	± 0.01mm		
Linear motion axes	** X=500mm,Y=400mm,Z=300mm		
Power consumption	5.5 kw	7 kw	8 kw
Power supply	AC 220V 50/60 Hz	AC 220V 50/60 Hz	AC 380 V

*Customization with single motor welding gun

**With customizable motion axes