

NSPV

4 models | **GANTRY AUTOMATIC
LASER WELDING MACHINE**
VGALW-5A-1000 | VGALW-5A-1500
VGALW-5A-2000 | VGALW-5A-3000

GANTRY AUTOMATIC LASER WELDING MACHINE



PHONE : 09137972932



MOBILE: 031-91097097



NSPVCO



INFO@NSPVCO.COM



GANTRY AUTOMATIC LASER WELDING MACHINE

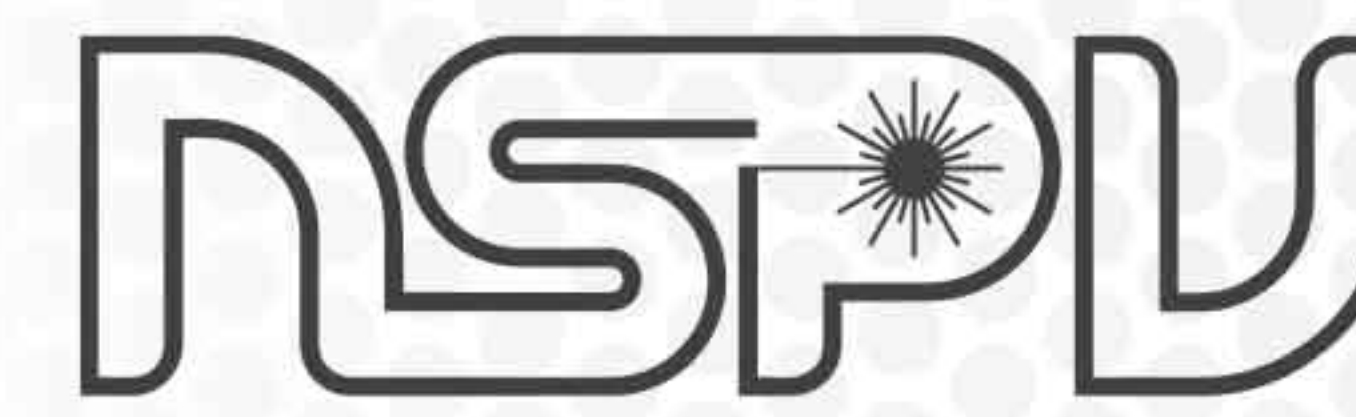
GANTRY AUTOMATIC LASER WELDING MACHINE

Device features:

- axes of motion in a gantry configuration 5 Equipped with
- Capability for welding inside parts with a depth of 30cm
- Motorized adjustable head angle feature
- Ability to adjust the spot size
- Equipped with a foot pedal for welding control and a handwheel for precise axis movement
- Equipped with an alarm system for device protection
- Ability to select various welding shapes
- High speed and accuracy during the welding process
- Welding of miniature and small parts with high precision
- Real Time display of control values during the automatic welding process
- Equipped with a CCD system and display for real-time monitoring of precise and delicate welding processes

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



GANTRY AUTOMATIC LASER WELDING MACHINE

Model	VGALW-5A-3000	VGALW-5A-2000	VGALW-5A-1500	VGALW-5A-1000
Laser power	3000 W	2000 W	1500 W	1000 W
Laser source	Fiber laser			
Laser wavelength	Fiber laser 1080 nm			
Beam quality	M2 Less than 1.3			
Laser mode	Continuous			
Pulse frequency	Hz 50000-1			
Ability to adjust power	to 100% 0			
Boiling point diameter	mm 5-0.2			
focal length	mm 300/200			
Adjusting the welding point	Equipped with a red light indicator			
Show the welding location	Weld location display via camera			
Cooling system	water-cooled chiller			
Welding head	Dual motor welding head (with wobble) brand QILIN			
Welding speed	Up to 150mm/s			
Position accuracy on axes	mm ± 0.01			
Linear motion axes	)X=1000mm , Y= 1000 mm , Z= 300mm(*			
Axes of rotary motion	A= $\pm 360^\circ$, B= $\pm 45^\circ$			
power consumption	8KW	7KW	5.5KW	4KW
power source	AC 380 V	AC 380 V	AC 220V 50/60 HZ	

*With the ability to customize the movement axes