



5 AXIS AUTOMATIC LASER WELDING MACHINE



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NSPV

4

models

5 AXIS AUTOMATIC
LASER WELDING MACHINE

VALW-5A-1000 | VALW-5A-1500
VALW-5A-2000 | VALW-5A-3000



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Device features:

- Having five degrees of freedom
- The ability to adjust the head angle motorized
- The ability to adjust the diameter of the weld spot
- Equipped with a foot pedal to control welding and a handwheel for accurate axis movement
- Equipped with an alarm system for device protection
- The ability to select different types of weld forms
- 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 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



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Model	VALW-5A-3000	VALW-5A-2000	VALW-5A-1500	VALW-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			
Pulsed frequency	1-50000 Hz			
Power adjustment capability	0 to 100%			
Weld spot diameter	0.2-5 mm			
Focal length	200/300 mm			
Weld location adjustment	Equipped with a red light indicator			
Weld location display	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			
Positional accuracy on the axes	±0.01 mm			
Linear motion axes	*(X=500mm , Y= 400 mm , Z= 300mm)			
Axes of rotary motion	A=±360° , B=±45°			
Power consumption	8KW	7KW	5.5KW	4KW
Power supply	AC 380	AC 380 V	AC 220V 50/60 HZ	

*With customizable motion axes capabilities