

Products Portfolio

YAG LASER SERIES

Using high-energy pulsed laser to weld, the pulsed xenon lamp is used as the pump source, and the ND:YAG as the production of laser working substance.

ADVANTAGES

1. Multiple fiber path, can achieve energy sharing, time sharing;
2. Power feedback technology to achieve consistent welding effect;
3. Arbitrary waveform control technology to precisely control welding points formed by each pulse energy;
4. Suitable for spot welding, butt welding, stitch welding, sealing welding;
5. High welding speed, high depth-to-width ratio, small heat affected zone, small deformation.

APPLICATIONS

1. Such as precision parts and precision sensors in 3C industry;
2. 3C industrial structural parts, sensors, optical communication components, small motors, connectors etc;
3. Such as hardware appliances, kitchenware, battery accessories, etc.



Scanning Range: 110*110 mm



Weight: 1.6 kgs



UW-300A

Model NO.	UW-008A	UW-015A	UW-025A	UW-050A	UW-075A	UW-150A	UW-300A	UW-302AC	UW-600A
Max. laser power	8W	15W	25W	50W	75W	150W	300W	300W	600W
Laser wavelength	1064nm								
Peak power	2.5KW	5KW		6KW		7KW	9.9KW	6KW	9.9KW
Max pulse energy	8	15 J	25 J	35 J	55 J		100 J	60 J	100 J
Single pulse width	0.5~30ms								
Successive pulsewidth (1sec.)	30ms/s			100ms/s			200ms/s		
Welding depth	0.5mm	1.0mm	1.2mm	2.0mm		3.0mm	2.0mm	3.0mm	
Pulse frequency	1-30HZ			1-100HZ			1-300HZ		
Machine power consumption	1.6KW			3.5KW	4KW	6KW	12KW		18KW
Power supply	AC220V ± 10%, 50/60Hz			AC380V ± 10% , 50 / 60Hz					
Cooling type	Air cooling			Air cooling/Water cooling			Water cooling		
External chiller	0			2.5KW		7.5KW		15KW	
Xenon lamp quantity	1					2		1 (Krypton lamp)	
Optical output quantity	4 path				6 path		4 path		
Machine size(mm)	410W*850L*800H			650W*1170L*1010H			650W*1330L*1060H		
Machine weight	140kg			250kg		260kg	330kg		400kg


Laser Welding Head

YAG Laser Head

Adapted to YAG Laser Series (150W-600W)

APPLICATION

For continuous welding in battery home appliance , industry.



Model	UFL-50-XXXXXXC(-AW)-(TZC) UFL-50-XXXXXXPE(-AW)-(TZC)
Max. use power	300W or 600W
Collimation length (Fc)	1064nm
Focus length (Fl)	120/150/180mm
Max welding range	120/150/180/210mm
CCD magnification	By pass adjustable/Coaxial in optional
Weight	2.6KG

Adapted to YAG Laser Series (8W-300W)

APPLICATION

For spot / continuous welding in battery home appliance , industry.

Model	UFL-30-XXXXXXC(-AW)-(TZC) UFL-30-XXXXXXPE(-AW)-(TZC)
Max. use power	150W or 300W
Wavelength	1064nm
Collimation length(Fc)	120/150/180mm
Focus length(Fl)	120/150/180/210mm
Protection gas blowing method	By pass adjustable/Coaxial in optional
Weight	2.6KG



YAG Scanner

Adapted to YAG Laser Series (150W-600W)

APPLICATION

For spot welding in consumer electronic /battery/ home appliance industry.



Model	UFL-42SNZJ-XXXXXXTZC
Max. use power	600W
Wavelength	1064nm
Collimation length(Fc)	120/150/180mm
Focus length(Fl)	120/150/180/210mm
Scanning Range	140mm*110mm

Handheld Laser Head

Adapted to YAG Laser Series (300W)

APPLICATION

For spot / continuous welding in home appliance/ kitchenware/ furnitur industry.

ADVANTAGE

- 1.Safety design guide operation;
- 2.Well Positioning with probes for butt welding, T- type fillet welding, L-type fillet;
- 3.Ergonomic design.

Model	UFL-20-4050HL
Max. use power	300W
Weight	1KG

