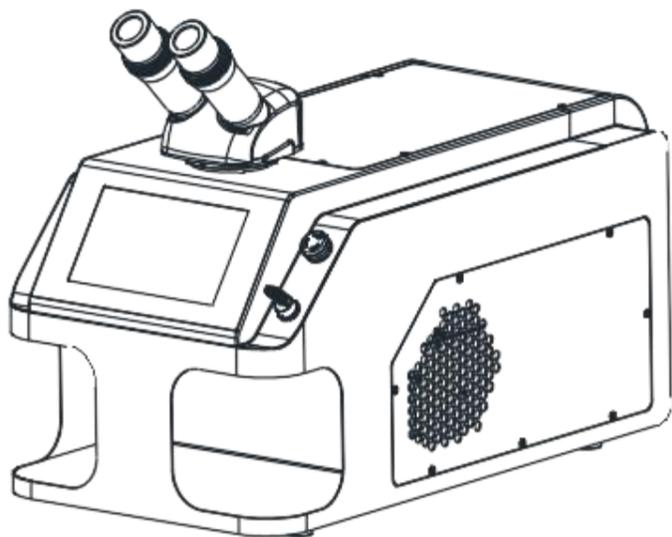
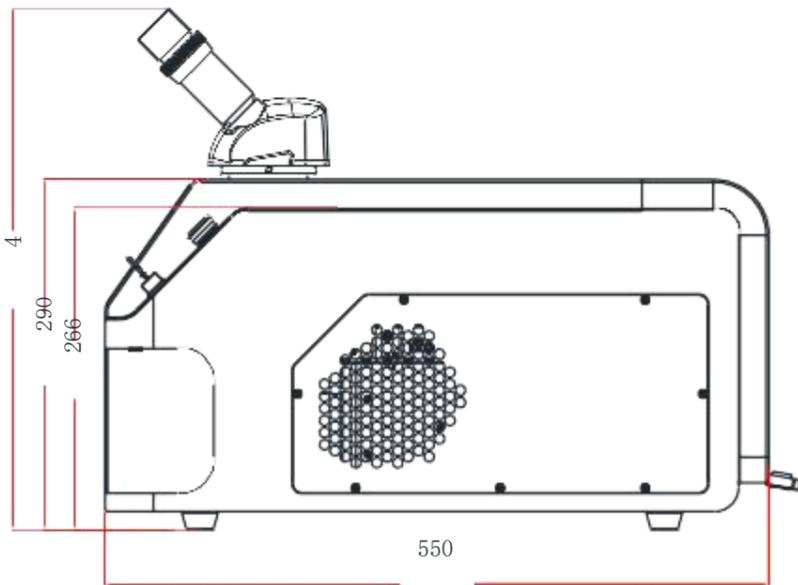
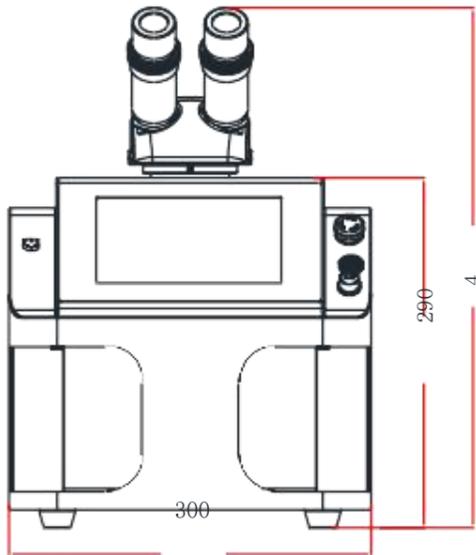


# desktop laser spot welding device/tool

## Making laser welding a universal tool

### Advanced Features:

1. Maintenance free
2. Zero consumables
3. Flexible and lightweight
4. Safe and compact



Product parameters	ZS 60	ZS 100
Whole machine material	Sheet metal coating / Customization	
Laser Type	Fiber Laser Generator	
Laser power	≥60w	≥100w
Maximum pulse energy	6J	10J
Maximum frequency	50Hz	
Pulse Width	0.5-50ms	
Working mode	Pulse	
Energy volatility	≤1.5%	
Light spot size	0.3-1.5mm	
Light spot adjustment method	3x electric beam expansion	
Cooling method	Air cooling	

Fiber laser spot welder for jewelry vs YAG laser spot welder

Fiber Laser Jewelry Welding	YAG Laser Jewelry Welding
Air-cooled mode, no chiller, zero maintenance	Water cooling mode, additional maintenance required
Low energy consumption, zero consumables	High energy consumption, need to replace the xenon lamp and crystal bar
Electro-optical conversion rate of 30%, ten times than of YAG	Low electro-optical conversion rate, only 3%
Stable power, no decay for 3-5 years	Annual maintenance is required
Long service life, up to 100,000 hours	Need for regular replacement of xenon lamps