

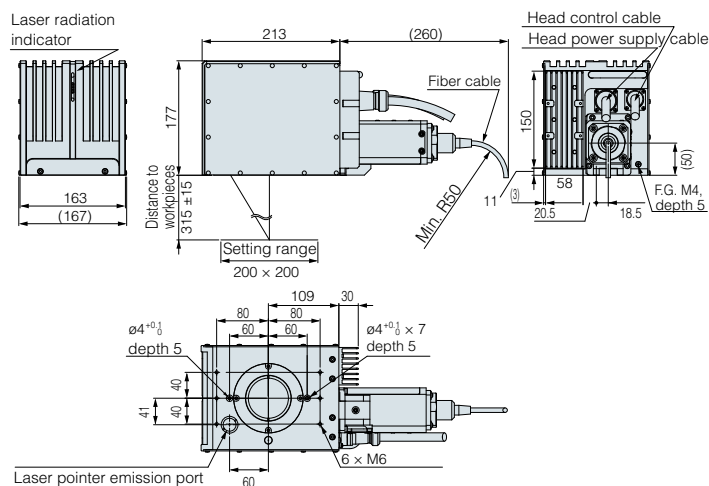
Specifications



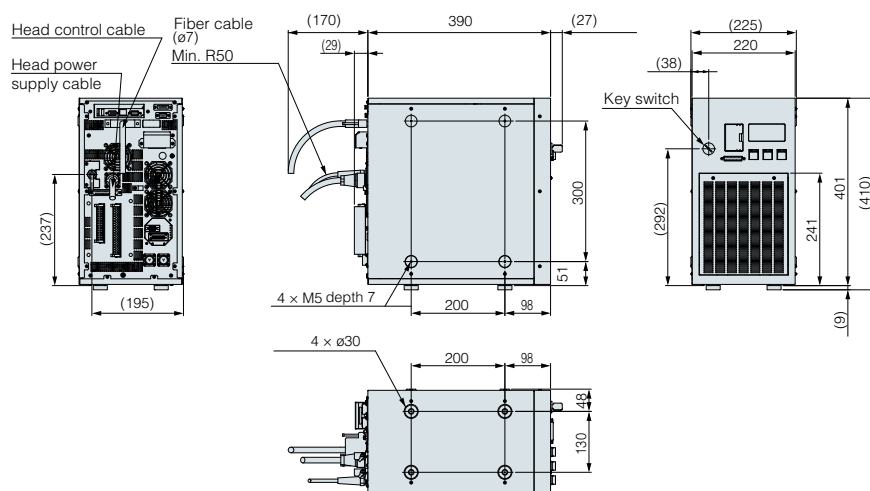
Model No.		VL-W1500	VL-W1A00
Item			
Laser output power		50W	100W
		Yb fiber laser; λ = 1070nm, class 4, CW oscillation	
Output power at workpiece		45W ±5%	90W ±5%
Guide laser, pointer		Red semiconductor laser; λ= 655nm; class 2 laser: Maximum output 1mW or less	
Scanner		Digital galvano scanner	
Setting range (X, Y)		200 × 200mm	
Working distance (base position ± preset range)		315 ±15mm	
Scan speed		Maximum 3000mm/s	
Registration files		2048 files	
Importable graphic data (file format)		VEC, DXF, HPGL, BMP, JPEG	
Welding geometry		Straight line, circle, arc, quadrilateral, fixed point	
External memory device		USB media	
I/O ports		I/O terminal block, I/O connector, interlock connector, power data output (RS232C)/shutter closing output terminal	
Serial communication interface		RS232C (for system control, for power data), Ethernet (for system control)	
Cooling method		Head: air cooling, controller: forced air cooling	
Power supply		90–132V AC or 180–264V AC, 50/60Hz (automatic switching)	
Power consumption		max. 580VA (at 100V AC), max. 720VA (at 200V AC)	max. 740VA (at 100V AC), max. 830VA (at 200V AC)
Ambient temperature		0 to +40°C (head, controller)	
Storage temperature		-10 to +60°C (head, controller)	
Ambient humidity		35 to 85% RH (head, controller)	
Degree of protection		IP54 (IEC) (only for connected head section)	
Supplied cable		▶ Controller power supply cable: 3 ±0.1m, ø7mm for CE standard, ø9mm for PSE/CSA/UL standards	
		▶ Head power supply cable: 5.5 ±0.1m, ø11mm	
		▶ Head control cable: 5.5 ±0.1m, ø12mm	
Fiber cable		5 ±0.2m, ø7mm, minimum bend radius: 50mm	
Net weight	Head	≈ 12kg	
	Controller	≈ 28kg	≈ 35kg
Main unit display language		Japanese/English	
Supplied software		Laser Processing Utility_VL-W1 (logo data conversion software, logo data editing software)	
Supported OS		Microsoft® Windows® 7 Professional (32bit/64bit) (Japanese/English/Simplified Chinese)	

Dimensions

Head



Controller

VL-W1500

VL-W1A00

