



SPECIFICATION

HAIFEI INTELLIGENT EQUIPMENT CO. LTD

Mid Frequency Diffusion Welder for Aluminum

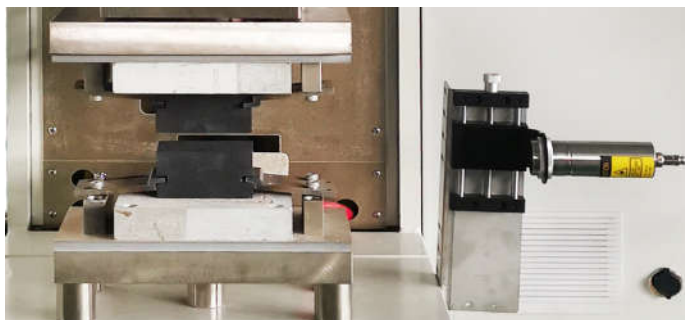
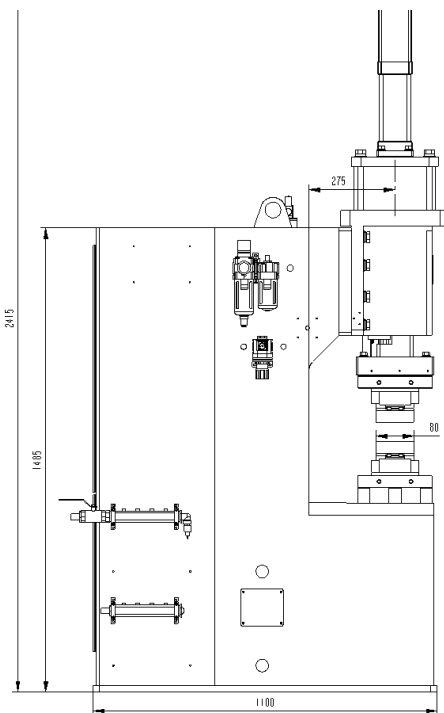
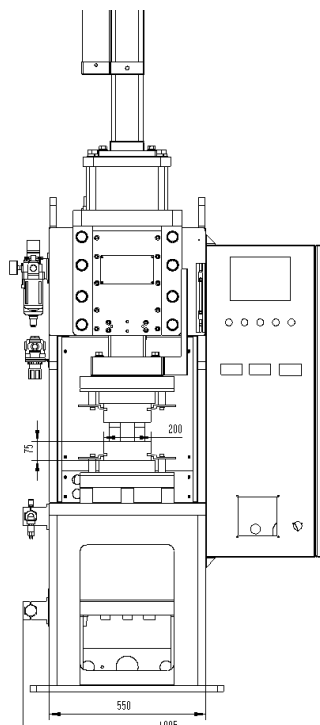
Model: HFVD100

No.	Items	Descriptions	Brand/Model	Quantity
Power Supplies				
1	Mid Frequency Transformer	Max.short cut current 21KA	VD-100	1 Set
Pressure Supplies				
2	Hydraulic oil station with electric motor		HAIFEI	1 Set
PLC controller				
3	PLC controller	Digital control circuit	Mitsubish Japan	1 Set
		Touch Screen	Flexem, China	1 Set
		Circuit breaker, air switch	Schneider, France	1 Set
4	Inverse circuit	Medium frequency switch	IGBT Japan	1 Set
		Semi-control rectification	Semikron, Germany	1 Set
		Welding capacitor	NCC Japan	1 Set
5	Welding loop parts	copper strip and the copper plate, etc	HAIFEI	1 Set
6	Cooling water circuit and protection circuit	Water flow switch	CATO, China	1 Set
7	Upper and bottom welding platform	high quality copper material, precisely machined	HAIFEI	1 Set
8	Infrared temperature detection system		Chen guang China	1 Set
9	Body frame	High strength thick steel plates	HAIFEI	1 Set
10	Welding Consumables	Graphite block	HAIFEI	1 Set



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Machine layout





Main Parameters

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No.	Items	Parameters
1	Product	Mid frequency diffusion welder for aluminum
2	Model	HFVD100
3	Rated capacity	100KVA
4	Rated duty cycle	50%
5	Working pressure Max	5Ton
6	Maximum Welding area	60*60*10
7	Transformer insulation grade	Grade F
8	Input power	415V+/-10%, 50HZ 3 Phases
9	Primary cable	3*50+2*16 mm ²
10	Cooling water pressure	0.2~0.3MPa, 40 micron filtration, Resistivity of 5 kΩ. cm
11	Cooling water flow	50 L/min water temperature ≤30℃
12	Hydraulic Oil required	46# anti-wear hydraulic oil, about 180 liter
13	Working environment	temperature: 1~45℃ humidity: 20~80%RH
14	Machine size	1000*1100*2400MM
15	Machine weight	1800KG