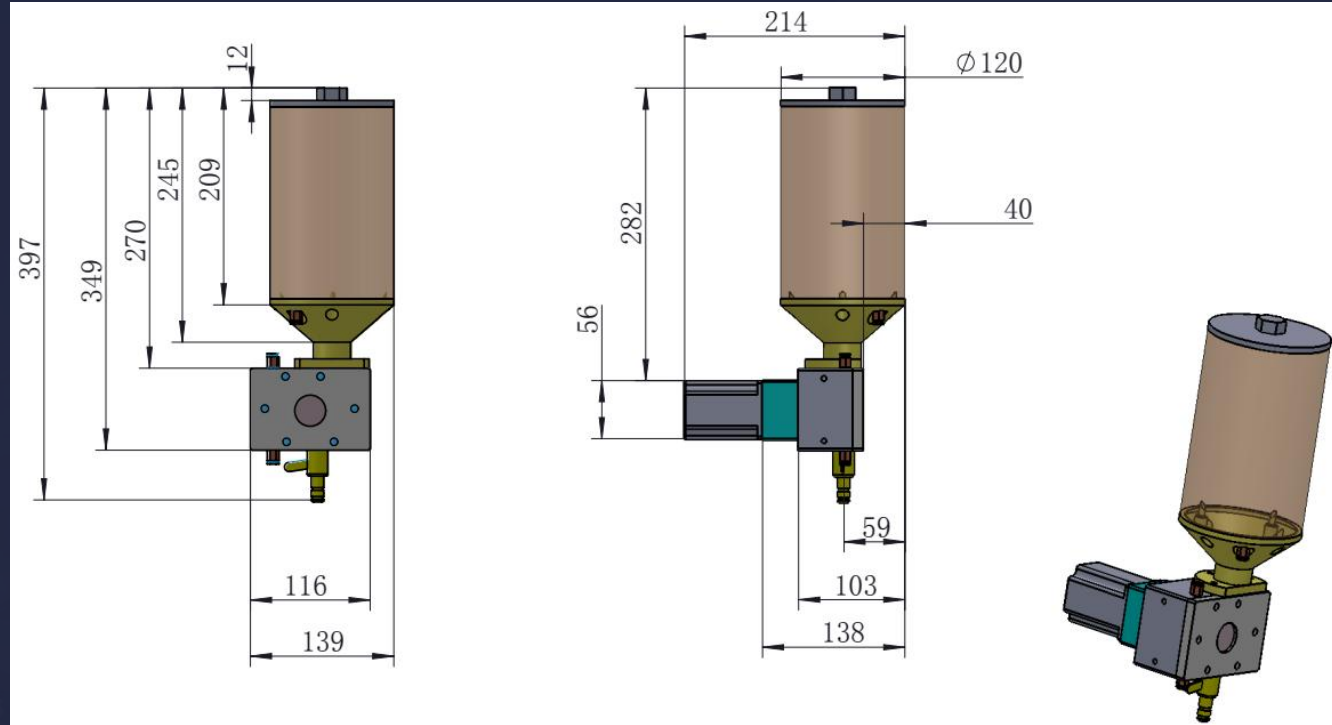
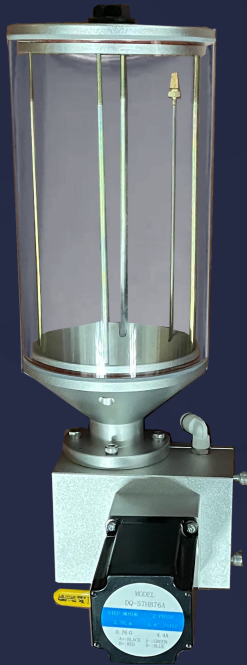


Duomu powder feeder

Shanghai Duomu Industry Co, Ltd

Powder feeder size



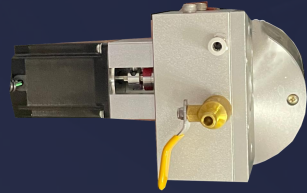
Powder feeder structure



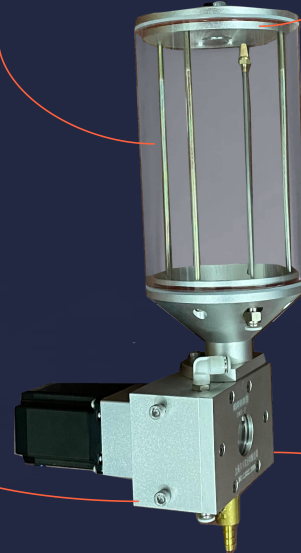
The storage tank is used to store powder, transparent and convenient for observing the powder condition.



There is a rotating nut at the powder feeding port, which can be manually tightened to remove the nut and add powder from here



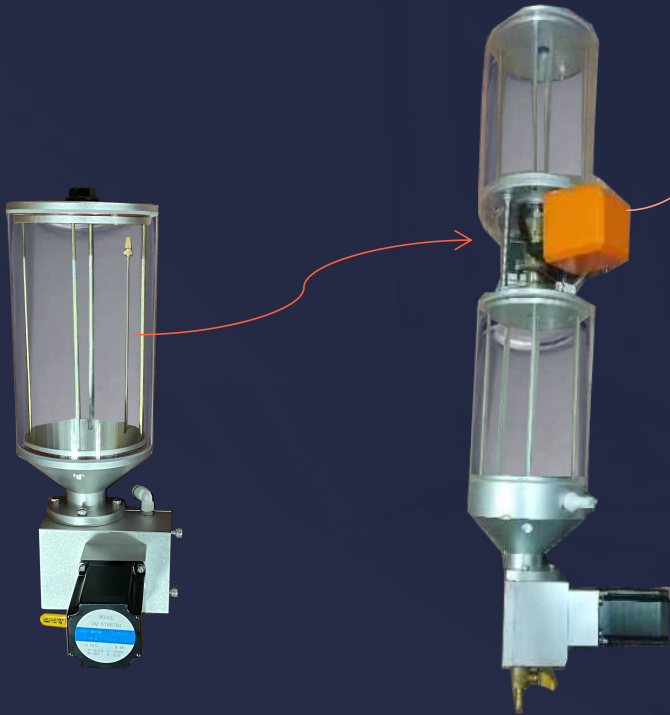
Install a stepper motor at the powder unloading point to control the precise powder feeding during the working process. There is an on/off valve at the powder unloading port, which can be used to pour the remaining powder and reuse it.



The observation window is set to be transparent, which can observe the direction of motor rotation and the remaining amount of powder. It can also be used to check whether the powder feeding device is normal.



Parameters of the powder feeder



Add a control valve and powder feeding tank on top of the original powder feeding system, which can continuously add powder to the upper tank during operation to achieve uninterrupted machine operation

Powder feeding amount (g/min)	3-50	5-120
Powder feeding motor	Stepper motor	Stepper motor
Powder feeding accuracy (%)	≤5	≤5
Powder storage filling capacity (kg)	10	10
Adapt to powder particle size (mesh)	80-300	80-300
Powder feeding air flow (m ³ /h)	0.2-3	0.2-4
Powder feeding pressure limit (MPa)	≤0.4	≤0.4
Powder feeding amount (g/min)	3-50	5-120

The particle size of welding powder is not easy to be too large or too small, and it is advisable to use 80-200 mesh.

The powder sent out with too small particles is easy to blow away, leading to a decrease in the utilization rate of the powder.

Excessive particle size can easily cause blockage in the powder feeding channel of the welding gun, leading to the scrapping of the welding gun.

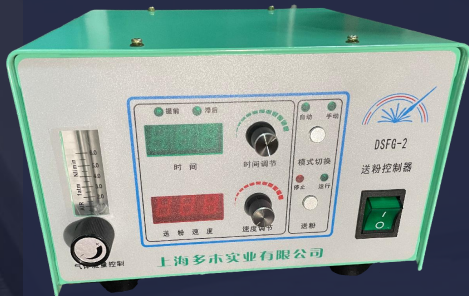
Before adding welding powder, it is necessary to filter with the provided sieve to avoid the above phenomenon.

Powder feeding control box function

3、Display window for early/delayed powder feeding time

2、Flow indication of protective gas flow meter

1、Protective gas flow meter adjustment knob



4. Early powder feeding indicator light.

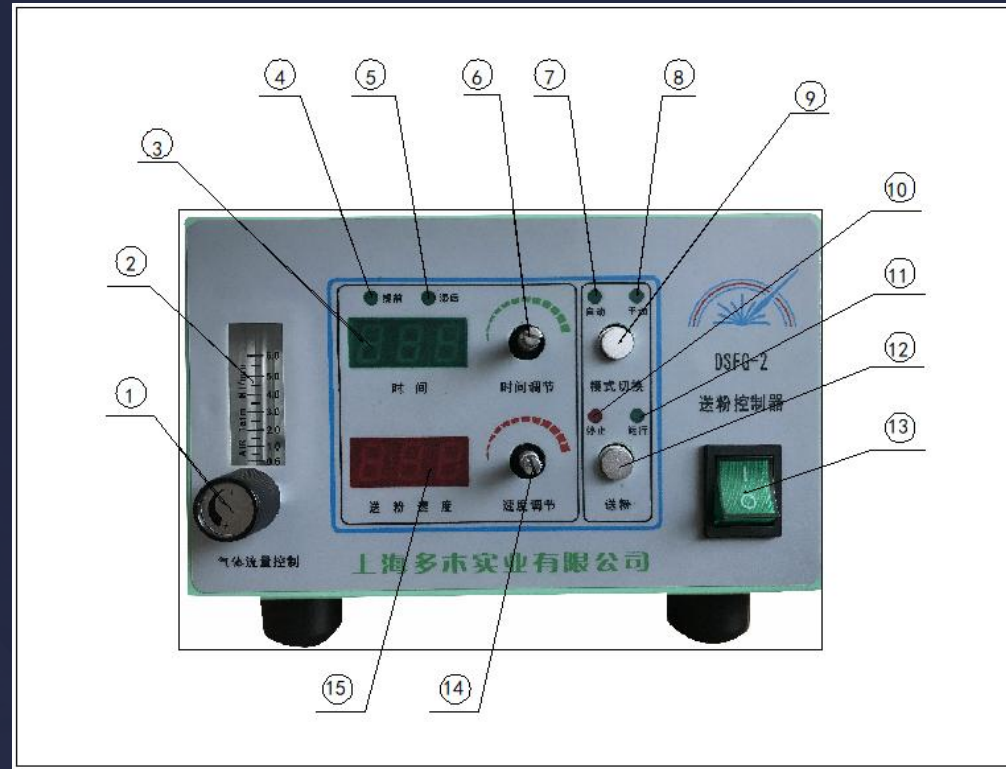
5. Delayed powder feeding indicator light.

6. Adjustment knob for early/delayed powder feeding time.

7. Automatic powder feeding indicator light.

8. Manual powder feeding indicator light.

9. Automatic/manual switch selection button.



10. Stop running indicator light

11. Working status indicator light

12. Start button

13. Power switch

15. Powder feeding speed numerical display window 14. Powder feeding speed adjustment knob



Powder feeding control box function



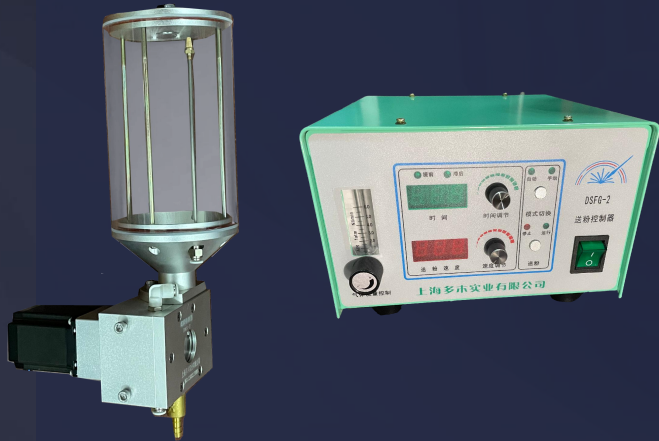
- 17. Power input
- 16, foot switch interface
- 18. Welding machine linkage control interface
- 19, motor output interface
- 21. Powder gas inlet interface

20. Powder gas outlet interface



Main technical parameter model	DSFG-2	
	Manual feeding	Automatic powder feeding
Powder feeding speed (r)	0-100	0-100
Powder feeding time in advance (s)	0	0-5
Lag powder feeding time (s)	0	0-5
Input voltage (V)	220V, 50HZ AC	
Weight (KG)	3.5	
Dimensions (mm)	270*220*155	

Application of powder feeder



Application



Plasma welding machine



Laser cladding machine



Other types of powder cladding process equipment

