Sterile PVC tube welding machine

Product Description

Yocell Sterile PVC Tube Welder is widely used for blood sub-packaging and preparation in blood stations and hospital blood banks, as well as for tube connection and bag splitting in biopharmaceutical companies, immunotherapy centers and other institutions, catering to blood bags and bioproduct bags for different purposes.This tube welder effectively shortens the welding time. It provides adjustable temperature settings for welding and is equipped with standard-matched fixtures to meet the connection requirements of TPE tubes with specifications of 1/8 * 1/4 inch.
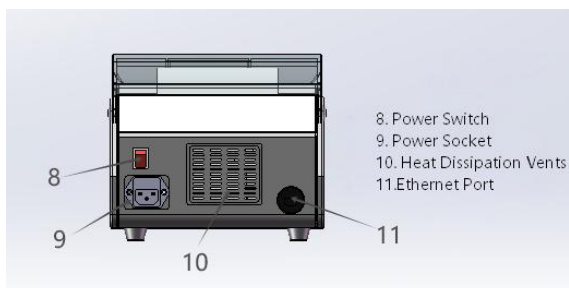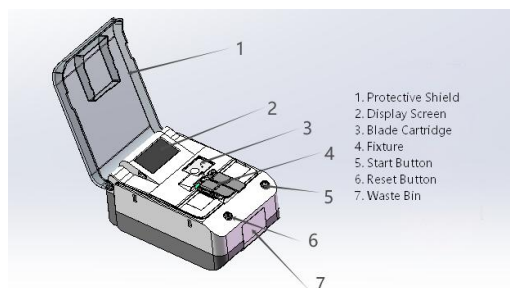
Item	Specification
Welding tube specifications	PVC: outer diameter 3.9–4.5 mm; TPE/BPT: 1/8 * 1/4
Welding Time	25s-30s
Rated voltage	220V AC
Rated frequency	50Hz
Maximum power	350W
Ambient temperature	10℃~40℃
Relative humidity	≤80%
Dimensions (L×W×H)	350×200×200mm
Weight	6kg

Product Features

- Real-time display of blade temperature and remaining quantity in the cartridge.
- Double-temperature monitoring ensures tube connection temperature accuracy and operational safety.
- Dual-fan heat dissipation maintains stable internal chamber temperature.
- Intelligent electronic monitoring enables real-time detection and alarm for internal circuits and electronic components.
- Multi-channel Alarm Prompts: Alerts will be triggered in cases such as blade absence, improper blade cartridge installation, blade jamming, excessive temperature, circuit faults and temperature controller malfunctions, ensuring stable and safe operation of the welding process.
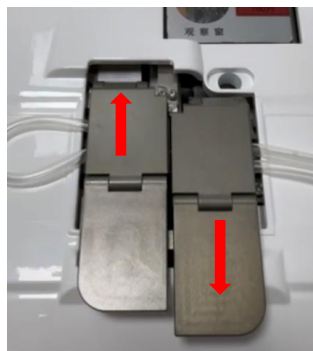
Equipment Structure

1. Protective Shield
2. Display Screen
3. Blade Cartridge
4. Fixture
5. Start Button
6. Reset Button
7. Waste Bin

8. Power Switch
9. Power Socket
10. Heat Dissipation Vents
11. Ethernet Port

Workflow

1. Install the pipeline properly, fasten the pipeline pressure plate tightly, and press the start button.

2. The heating device warms the welding sheet to the rated temperature, stops heating, and then the cutting motor starts to perform the fusing and joining operation.

3. After the joining is completed, open the catheter pressure plate and take out the catheter.

Welding effect

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