

Lifemeta™ Tube Welder



Application

- Aseptically weld TPE tubes of single-use sampling bags
- Aseptically weld TPE tubes of single-use storage bags

Performance verification

- Lifemeta™ Tube Welder has completed the following verification and has complete validation guide.
- Pressure resistance test
- Tensile strength test
- Water flow test
- Bacterial challenge test
- Extractable test
- Particulate matter test
- Bacterial endotoxins test

Powerful Function

- Lifemeta™ Tube Welder can weld either dry, wet or liquid-filled tubing in non-classified and classified environment while maintaining product sterility.
- The shortest length of 10 cm dry tube can be effectively welded.
- The shortest length of 30 cm liquid-filled tube can be effectively welded.
- The external surface of the welding area is exquisite, and the internal surface is smooth and flat.
- Efficient and quick, and the welding process can be completed in about 2 minutes.
- Lifemeta™ Tube Welder has preset 8 welding methods for different tubing sizes and supports supplementing welding methods for tubes of the same size from other common-used brands.

Comfortable Operatio

- Lifemeta™ Tube Welder has the function of identify the model of the tube holder automatically, which can effectively prevent wrong operation.
- One-key takeover, simple and convenient operation.
- Small and flexible, easy to move, suitable for a variety of operating stations.

Reliable Welding Ability

- Lifemeta™ Tube Welder support temperature calibration function to ensure the reliability of takeover parameters.
- The blade can be heated to above 410 °C, which is assured to complete depyrogenation and ensure the sterility of the welding process.
- Powerful welding performance, no need to worry about tube breakage and leakage.

Safty

- The whole process automatically senses the state of the protective cover to prevent high temperature accidental touch.
- Emergency stop function can effectively terminate the wrong takeover operations.

Authority Management

- Lifemeta™ Tube Welder has authority classification and user management..
- Lifemeta™ Tube Welder operation log traceability.

Compatible TPE Tubings

TPE Tubing	Size	Tube Holder
Lifemeta® STF C-Flex 374 AdvantaFlex	ID1/8"*OD1/4"	SH1
	ID3/16"*OD5/16"	SH2
	ID1/4"*OD3/8"	1SH3
	ID1/4"*OD7/16"	SH4
	ID3/8"*OD9/16"	SH5
	ID5/16"*OD1/2"	SH6
	ID3/8"*OD5/8"	SH8
	ID1/2"*OD3/4"	SH9

Parameters

Model	LMTWA0
Input Voltage/Power	100-240 VAC 50/60 HZ 288 W
Screen	4.3 inch high-definition color touch screen with a resolution of 480*272
Dimension	L×W×H: 270×263×263 mm
Weight	11.1Kg
Applicable Environment	Operating Temperature 5°C~40°C Humidity 20%-80%
Log Storage	SD Card
Interface	RJ45*1

Ordering Information

Name	Model	Unit/Box
Lifemeta™ Tube Welder	LMTWA0	1 pcs
Blade	SH20	50/box
1/8"*1/4"Tube Holder	SH1	2 pcs/group
3/16"*5/16"Tube Holder	SH2	2 pcs/group
1/4"*3/8"Tube Holder	1SH3	2 pcs/group
1/4"*7/16"Tube Holder	SH4	2 pcs/group
3/8"*9/16"Tube Holder	SH5	2 pcs/group
5/16"*1/2"Tube Holder	SH6	2 pcs/group
3/8"*5/8"Tube Holder	SH8	2 pcs/group
1/2"*3/4"Tube Holder	SH9	2 pcs/group



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* Specifications subject to change without notice.