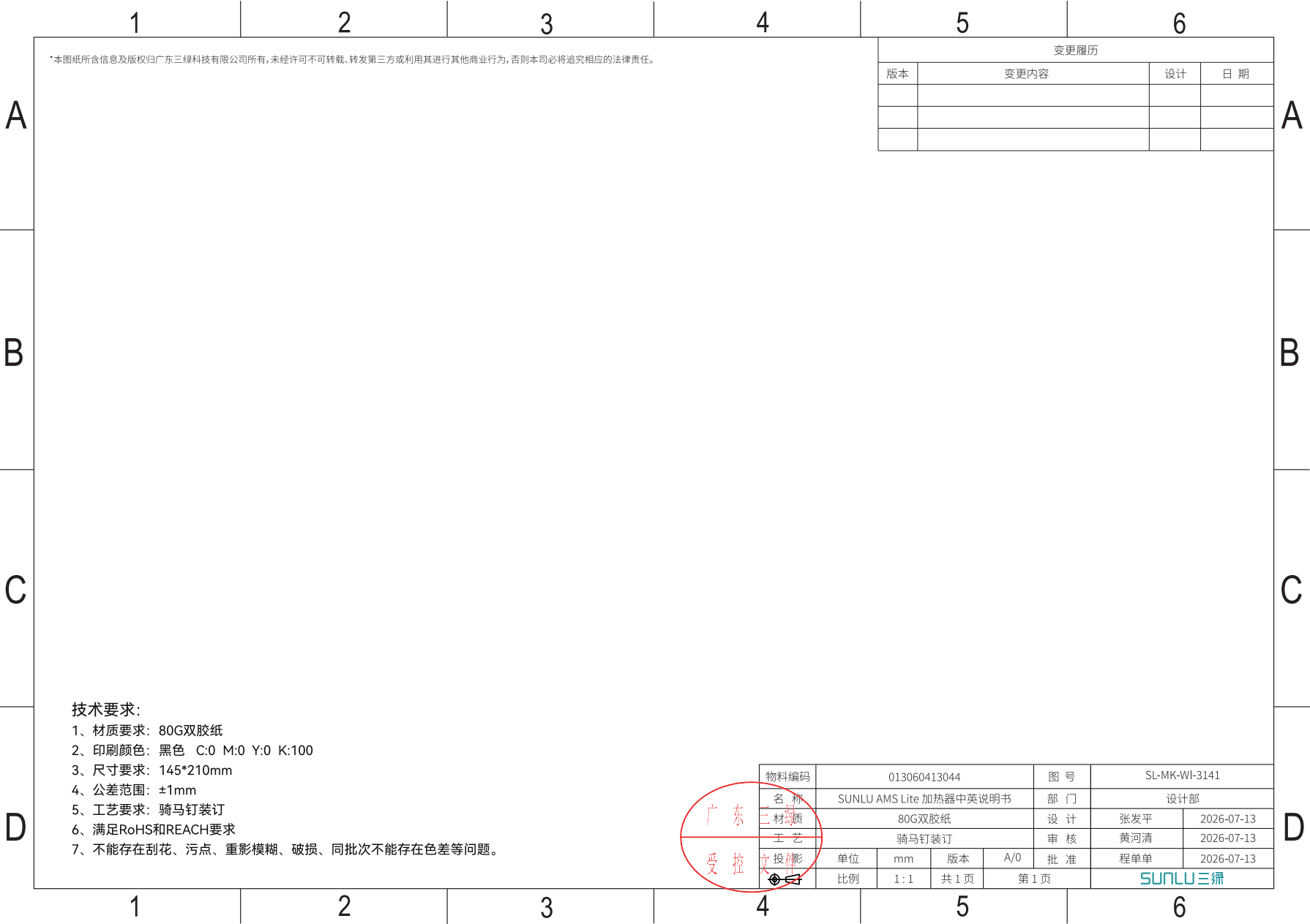




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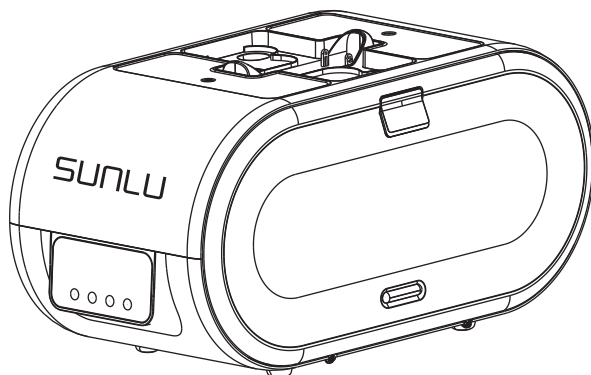
变更履历			
版本	变更内容	设计	日期

技术要求:

- 1、材质要求: 80G双胶纸
- 2、印刷颜色: 黑色 C:0 M:0 Y:0 K:100
- 3、尺寸要求: 145*210mm
- 4、公差范围: ±1mm
- 5、工艺要求: 骑马钉装订
- 6、满足RoHS和REACH要求
- 7、不能存在刮花、污点、重影模糊、破损、同批次不能存在色差等问题。

物料编码	013060413044			图 号	SL-MK-WI-3141	
名 称	SUNLU AMS Lite 加热器中英说明书			部 门	设计部	
材 质	80G双胶纸			设 计	张发平	2026-07-13
工 艺	骑马钉装订			审 核	黄河清	2026-07-13
投 影	单位	mm	版本	A/0	批 准	程单单 2026-07-13
比例	1:1	共 1 页	第 1 页		SUNLU 三绿	

SUNLU



AMS Lite加热器用户手册

AMS Lite Heater User Manual

3D Printing-Mate

RoHS FC CE 

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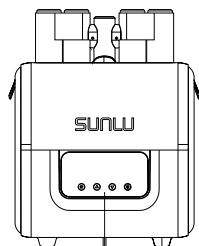
1 装箱清单 Package Contents

①	AMS Lite 加热器 / AMS Lite Heater	X1
②	扣盖 / Snap Cover	X1
③	电源线胶塞 /Power Line Rubber Plug	X1
④	电源线 / Power Cable	X1
⑤	说明书 / User Manual	X1
⑥	配件包 / Accessory Kit	X1
⑦	特氟龙管 / PTFE Tube	1.2m X 4

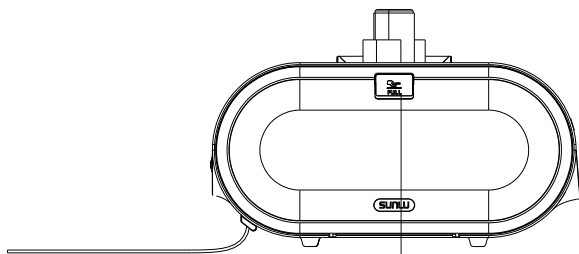
2 性能参数 Technical Specifications

产品名称/Product Name	3D打印伴侣/3D Printing-Mate
产品型号/Model	AMS Lite Heater
产品尺寸/Product Dimentsions	510mm×270mm×265mm(LWH)
产品净重/Net Weight	3.4kg
工作环境温度、湿度/Operating Environment	环境温度10°C-35°C，相对湿度≤95% Temperature: 10°C-35°C, Relative Humidity: ≤95%
温度设置范围/Work Temperature Range	35°C-70°C
湿度显示范围/Humidity Display Range	10%-90%（精度±10%）
时间设定范围/Time Setting Range	0-99H
电源输入规格(请核对您购买的产品电压规格与当地电压一致再使用) Power Input Specifications(Ensure the voltage matches your local supply before use.)	AC 110V 60Hz or AC 220V 50Hz
最大工作电流/Maximum Operating Current	2.2A@230V 4.15A @120V
额定功率/Rated Power	370W
待机功率/Standby Power	≤1W

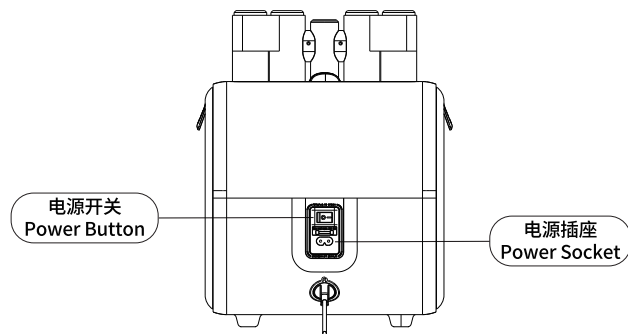
3 部件说明 Component Description



显示屏
Display Screen



门拉手
Door Pull



电源开关
Power Button

电源插座
Power Socket

● 耗材干燥温度/时间推荐表

Filament Drying Temperature/Time Recommendations

材质 Material	PLA/PLA+	WOOD	PETG	TPU	PVA	PVB	ASA	ABS	PA/PC
干燥温度 Drying Temperature	50-55°C				65-70°C				65-70°C
烘干时间 Drying Time	4-6h				4-6h				10-12h

- 1、为保证干燥效果，烘干过程中请勿随意打开AMS Lite 加热器。

To ensure optimal drying results, do not open the AMS Lite Heater during the drying process.

- 2、当环境温度 $\leq 10^{\circ}\text{C}$ 时，出现升温慢或腔体内实际温度略低于显示温度，属于正常现象。

When the ambient temperature is below 10°C , slow heating or the actual temperature inside the chamber being slightly lower than the displayed temperature is normal.

- 3、设置工作温度为 70°C 时，应确认耗材的线盘耐温应 $\geq 70^{\circ}\text{C}$ ，避免线盘变形。

When setting the working temperature to 70°C , please ensure the filament spool has a temperature tolerance greater than 70°C to avoid deformation.

5 安全注意事项 Safety Precautions



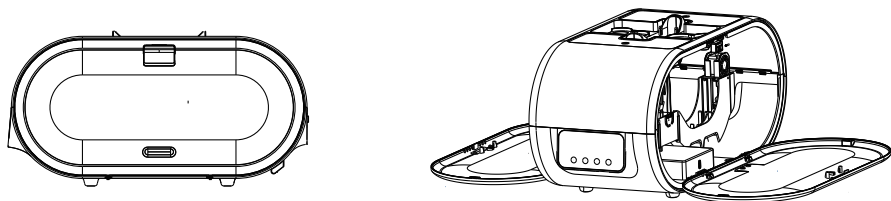
- 1、本产品打开时,至悬停位即可,应注意开合角度和力度,避免过大发生损坏。
①.When opening this product, lift it only to the designated stop position. Pay attention to the opening angle and force to avoid damage from excessive movement.
- 2、请勿将本品放置在儿童够得到的地方。
②.Do not place this product within the reach of children.
- 3、操作过程中应注意电气安全。请勿在靠近水的地方使用本品,如浴室、浴缸洗脸盆等容易取水的地方。
③.Pay attention to electrical safety during operation. Do not use this product near water, such as in bathrooms, bathtubs, washbasins, or other areas where water is easily accessible.
- 4、请使用原装电源线或者符合安全认证要求的电源线。
④.Please use the original power cord or a power cord that meets safety certification requirements.
- 5、不使用本品时,请关闭电源,以免发生突发性火灾
⑤.When not using this product, please turn off the power to avoid sudden fire hazards.
- 6、本产品工作过程中,请勿将产品放在对温度敏感的物体上。
⑥.During the operation of this product, do not place it on temperature-sensitive objects.
- 7、本产品工作过程中,请勿触摸箱内的加热器或风扇,以免烫伤。干燥耗材时应盖好干燥箱的上盖,以免热量散失。
⑦.During the operation of this product, do not touch the heater or fan inside the chamber to avoid burns. When drying materials, ensure the drying chamber cover is properly closed to prevent heat loss.
- 8、尽量避免在正常工作时移动本品,防止外表面温度过高导致烫伤
⑧.Avoid moving this product during normal operation to prevent burns caused by the high temperature of the outer surface.
- 9、请勿堵塞内部进风口和出风口,避免热量积聚发生异常。
⑨.Do not block the internal air intake and exhaust vents to prevent heat buildup and potential malfunctions.
- 10、如果产品出现故障,请关闭电源并断开电源线与电源插座的连接,然后联系售后支持团队。
⑩.If the product malfunctions, please turn off the power and disconnect the power cord from the power outlet, then contact the after-sales support team.

6 操作步骤 Operating Instructions

01/ AMS Lite 加热器安装 AMS Lite Heater Installation

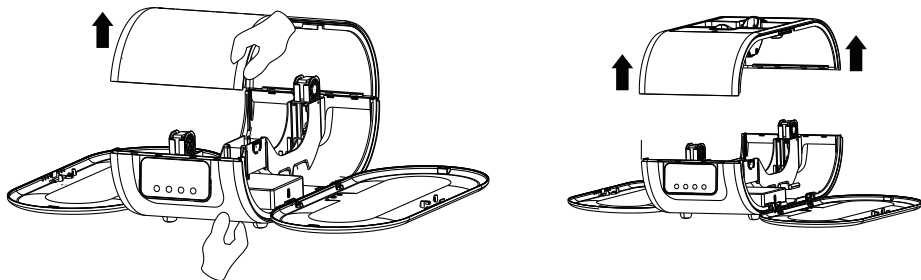
- ①将AMS Lite 加热器水平放置, 轻拉门把手, 把两侧门打开

Place the AMS Lite Heater horizontally, gently pull the door handle, and open the two side doors



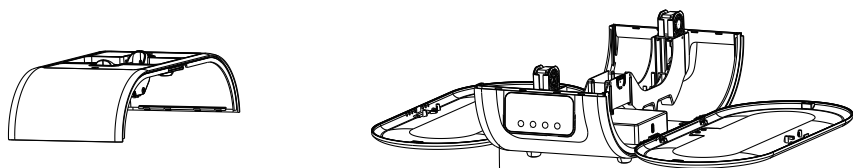
- ②将AMS Lite 加热器 一只手按压底座, 另外一只手把上盖拉出。拉出后一边后继续将上盖往上拉

Hold down the base of the AMS Lite Heater with one hand, and pull out the top cover with the other hand. After partially pulling it out, keep lifting the top cover upward.



- ③得到分离的上盖和底座组件

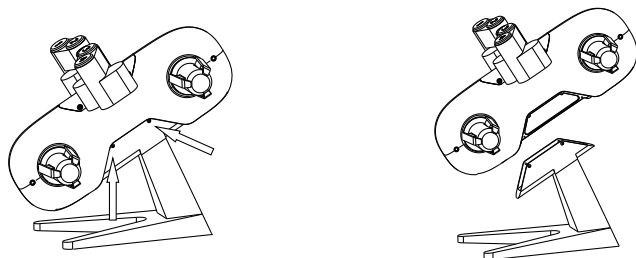
Separate the top cover assembly from the base assembly



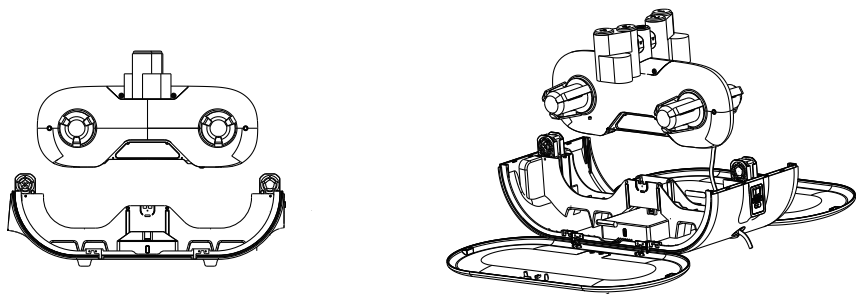
6 操作步骤 Operating Instructions

- ④ 水平放置AMS Lite, 把AMS Lite固定脚架的螺丝拆掉(正面和反面共4颗)

Lay the AMS Lite horizontally, then remove the four screws securing its mounting stand(four screws in total, front and back sides).

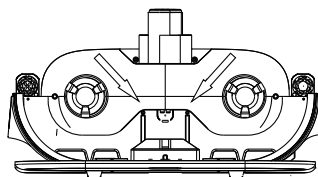


- ⑤ AMS Lite竖直放进AMS Lite 加热器底座, 同时将AMS Lite电源线放进底座插座处的孔, 拉出并盖好胶塞
Stand the AMS Lite upright into the base of the AMS Lite Heater. Route the power cord of the AMS Lite through the opening near the socket on the base, pull the cord out fully, then reinstall the rubber plug.



- ⑥ AMS Lite放入底座后, 将底座4颗螺丝扭紧(使用配件包的螺丝)

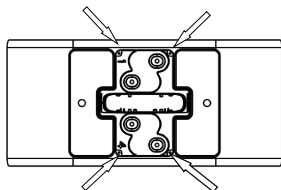
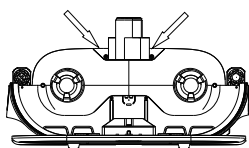
After inserting the AMS Lite into the base, tighten the four base screws(use screws supplied in the accessory kit).



6 操作步骤 Operating Instructions

- ⑦ 拆除AMS Lite 进料组件处螺丝,同时拆除AMS Lite 加热器上盖顶部的螺丝(一共8颗)

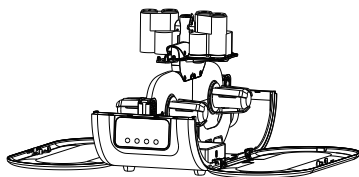
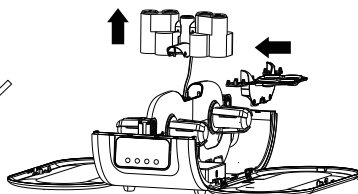
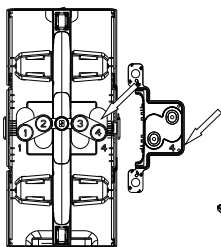
Remove the screws on the AMS Lite feeding assembly as well as the screws on the top of the AMS Lite Heater top cover (8 screws in total).



- ⑧ 将长转接支架“4”对准进料组件的“4”,然后将进料组件拉起并将长转接直接放进槽里,最后将进料组件放下

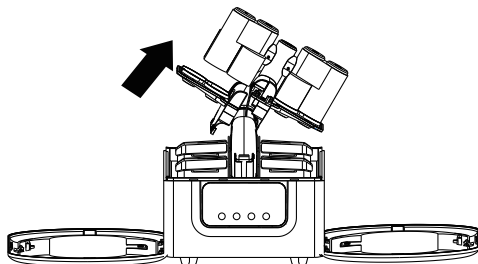
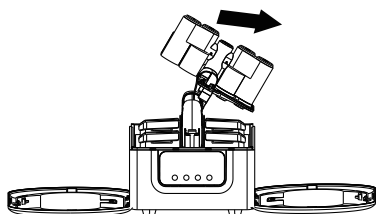
Align the mark "4" on the long adapter bracket with the mark "4" on the feeding assembly.

Lift up the feeding assembly, insert the long adapter bracket straight into the slot, then lower the feeding assembly back into place.



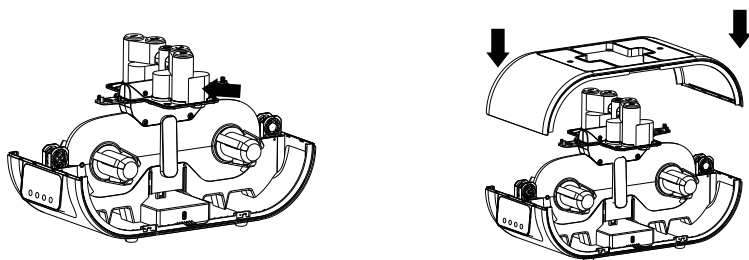
- ⑨ 将长转接支架向外倾斜45度后,再将短接支架斜向上安装到进料组件上,接着回正并锁紧螺丝(一共8颗)

Tilt the long adapter bracket outward by 45 degrees, then install the short adapter bracket diagonally upward onto the feeding assembly. Realign the brackets to their original position and tighten all eight screws.

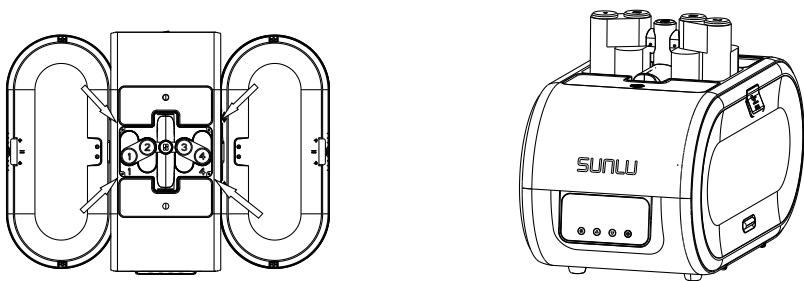


6 操作步骤 Operating Instructions

- ⑩ 将扣盖盖好, 接着将AMS Lite Heater上盖竖直向下放置并用力前后按压, 使用上盖固定好
Fit the snap cover into place, then lower the AMS Lite Heater top cover straight down and press it firmly back and forth to secure the top cover properly.



- ⑪ 将AMS Lite Heater上盖顶部四颗螺丝拧紧, 并把两侧门向上关好, 完成升级安装
Tighten the four screws on the top of the AMS Lite Heater top cover, then close the two side doors upward. The upgrade installation is completed.



6 操作步骤 Operating Instructions

02/ 安装耗材 Load the filament

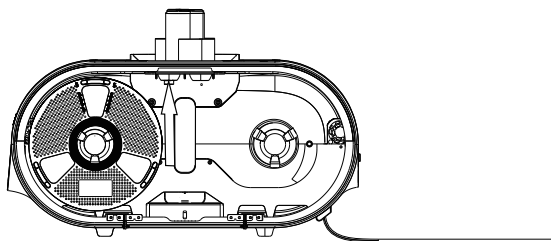
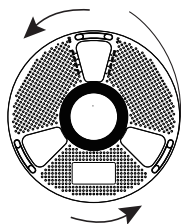
① 打开AMS Lite Heater的单侧门, 并将耗材按逆时针出线方式放进卡槽中

Open one side door of the AMS Lite Heater, and load the filament into the slot with filament unwound counterclockwise.

② 将耗材插入图示箭头处2cm左右, AMS Lite将检测到耗材并往里送料

Insert the filament approximately 2 cm into the position indicated by the arrow in the diagram. The AMS Lite will detect the filament and feed it inward automatically.

③ 关上侧门 Close the side door.



④ 进行干燥作业时, AMS Lite 加热器会自动打开气阀, 排出湿气。停止工作时会自动关闭气阀

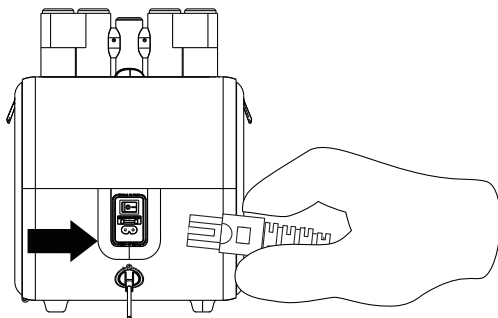
During drying operation, the AMS Lite Heater will automatically open the air valve to discharge moisture. The air valve will close automatically when operation stops.

6 操作步骤 Operating Instructions

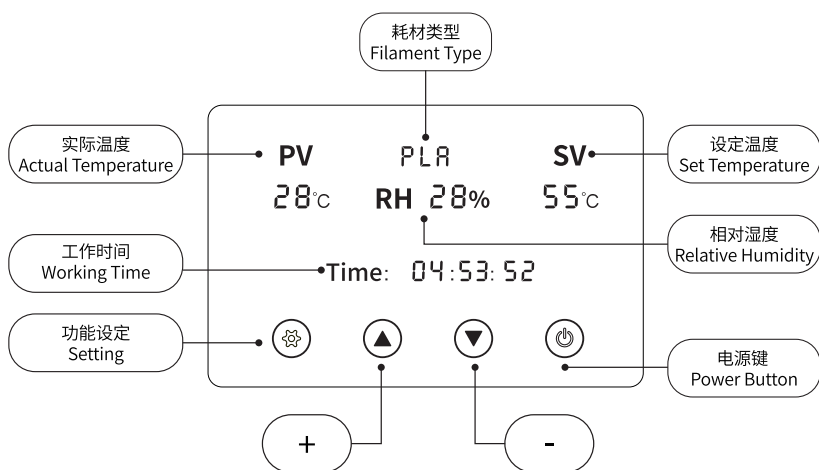
03/ 连接电源 Connect to power

将电源线插入AMS Lite 加热器电源插座, 然后拨动电源开关。

Insert the power cord into the AMS Lite Heater's power socket, then toggle the power switch



04/ 显示屏内容说明 Display Screen Instructions



6 操作步骤 Operating Instructions

05/ 使用方法 Operating Procedure

- ① 单击  唤醒屏幕, 单击  可进行相关操作

Click  to power on, and click  to perform the related operations

- ② 单击  当PLA闪烁时, 可通过单击   调整耗材种类 (PLA, PETG, TPU, ABS, PA, PC), 并会自动显示系统推荐的设定的加热温度。

Click  when PLA flashes, then click   to adjust the filament type (PLA, PETG, TPU, ABS, PA, PC),

- ③ 单击  当PLA闪烁时, 可通过单击   调整耗材种类至rH, 即为湿度控制模式

Click  when PLA flashes, then click   to adjust the filament type to "rH" to activate humidity control mode.

- (1) 湿度模式默认加热温度55°C——允许用户调节并保存温度

Default heating temperature: 55°C (user-adjustable with save function)

- (2) 默认工作时间6h

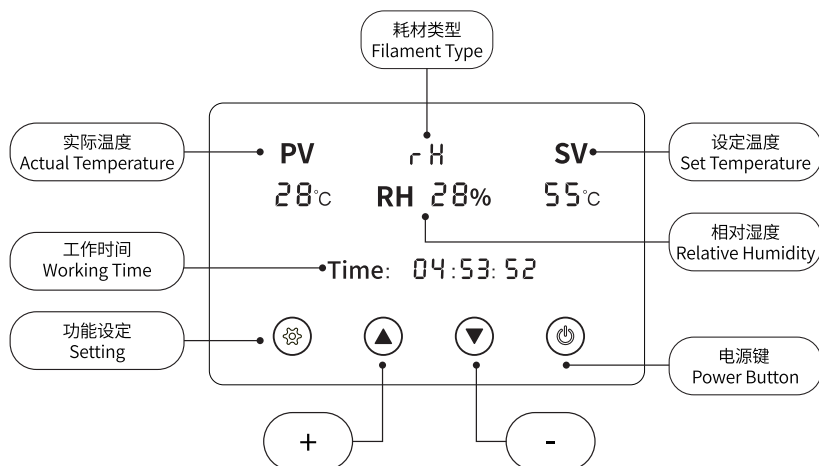
Default operation duration: 6 hours

- (3) 当倒计时结束后不关机, 屏幕时间区域显示 CLOSE。等待湿度上升到默认湿度50%时, 自启加热, 直到湿度下降到20%后, 停止加热

After the countdown ends, the system remains on with "CLOSE" displayed in the timer area. Heating automatically activates when ambient humidity reaches the default 50% setpoint, and deactivates when humidity falls to 20%.

- (4) rH模式下允许用户调节湿度 (范围25%-50%), 调节后, (3) 自动启动的湿度即调用此设置值
rH Mode Adjustments:

User-configurable humidity range: 25%-50%. Custom setpoints automatically update the triggering thresholds in (3)



6 操作步骤 Operating Instructions

- ④ 点击  当°C闪烁时,可通过点击  ,可设定温度单位在°C/°F之间切换
Click  when °C flashes, then click   to switch temperature units (°C/°F).
- ⑤ 点击  当SV闪烁时,可通过点击   调整当前耗材预设干燥温度 (35°C-70°C)
Click  when SV flashes, then click   to adjust the preset drying temperature for the current filament (35°C-70°C).
- ⑥ 点击  当Time闪烁时,可通过点击   调整耗当前烘干时间 (0-99h), 计时归零后, 机器停止工作。
Click  when Time flashes, then click   to adjust the drying time (0-99H). The timer will reset to zero, and the machine will stop working.
- ⑦ 双击 , 显示屏关闭, 加热停止, 风扇3mins后停止。(目的: 防止内部加热期间和主板温度积聚)
Double-click  to turn off the display, stop the heating, and the fan will shut down after 3 minutes. (Purpose: To prevent internal heat buildup and temperature accumulation on the motherboard during the heating process.)

7 常见故障排除 Common Troubleshooting

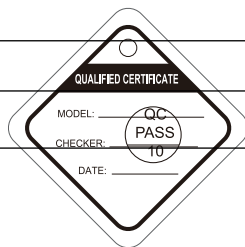
如产品在使用过程中遇到如下问题, 请尝试按下表中的方法排除故障, 如故障依旧, 请联系我们。

If the product encounters the following issues during use, please try the methods listed in the table below to troubleshoot. If the issue persists, please contact us.

现象/Issue	问题原因 / Possible Causes	故障排除方法 / Troubleshooting Methods
ER11	检测温度超过设置温度10摄氏度以上报警 Alarm – Detected temperature exceeds set temperature by more than 10°C.	检查温度传感器连接是否良好 Check if the temperature sensor wiring connection is intact.
ER12	温度检测异常 传感器故障 Temperature Detection Abnormal	检查温度传感器连接是否良好 Check if the temperature sensor wiring connection is intact.
ER21	PTC风扇故障 PTC fan failure.	检查风扇是否异物卡住, 端子是否接插良好 Check whether foreign objects block the fan and verify secure terminal connections.
ER22	循环风扇故障 Circulation fan failure.	检查风扇是否异物卡住, 端子是否接插良好 Check whether foreign objects block the fan and verify secure terminal connections.

8 合格证 Certificate of Conformity

Product Name:	Manufacture Date:
Inspector:	Inspection Date:



9 售后服务 After-Sales Service

1. 如在本手册所示产品在正常操作下发生故障, 保修一年。

1. The product comes with a one-year warranty under normal operating conditions as shown in this manual.

2. 在保修期内, 因使用不同规格的电源线或未按说明书正确操作导致机器损坏的, 恕不提供保修服务。

2. The warranty does not cover damages caused by using power cables of different specifications or incorrect operation as per the instructions in the manual during the warranty period.

10 联系我们 Contact us

广东三绿科技有限公司

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品牌合作: branding@sunlu.com

商务合作: sales@sunlu.com

售后服务: support@sunlu.com

公司地址: 中山市坦洲镇潭隆北路162号



微信公众号

Sunlu (Guangdong) Technology Co., Ltd.

Official website: www.sunlu.com

Brand cooperation: branding@sunlu.com

Business cooperation: sales@sunlu.com

After-sales service: support@sunlu.com

Manufacturing Address: No. 162 Tanlong North Road, Tanzhou Town, Zhongshan City, China.

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