

# CREALITY

**3D Printer User Manual** 

3D打印机使用说明书



## Content 目录

#### Dear Consumers,

Thank you for choosing our products. For the best experience, please read the instructions before operating the Printer. Our teams will always be ready to render you the best services. Please contact us via the phone number or e-mail address provided at the end when you encounter any problem with the Printer.

For a better experience in using our product, you can also learn how to use the Printer in the following ways:

View the accompanied instructions and videos in the Storage card.

Visit our official website www.creality.com to find relevant software/hardware information, contact details and operation and maintenance instructions.

#### 尊敬的创想三维用户:

感谢您选择、使用创想三维的产品。为了您使用方便,请您在使用之前仔细阅读该说明书, 并严格按照说明书的指示进行操作。

创想三维团队时刻准备为您提供优质的服务。在使用过程中无论遇到什么问题,请按照说 明书结尾所提供的电话、邮箱与我们进行联系。

为了您能够更好地体验我们的产品,您还可以从以下方式获取设备操作知识:

随机使用说明:你可以在存储卡内找到相关使用说明及视频。

创想三维官网:www.cxsw3d.com 您可以登陆创想三维官网寻找相关软硬件、联系方式、 设备操作、设备保养等信息。



Notes <sup>使用须知</sup>



## **Assemble the 3D Printer**

组装 3D 打印机



## **Use the 3D Printer**

使用 3D 打印机

Level the Platform 调平平台

Load Filament

装料

Start Printing

开始打印

## **NOTES** 使用须知

.1	
	1.Do not use the printer any way other than described herein in order to avoid personal injury or property damage.
	2.Do not place the printer near any heat source or flammable or explosive objects. We suggest placing it in a well-ventilated, low-dust environment.
	3.Do not expose the printer to violent vibration or any unstable environment, as this may cause poor print quality.
	4.Before using experimental or exotic filaments, we suggest using standard filaments such as ABS or PLA to calibrate and test the machine.
	5.Do not use any other power cable except the one supplied. Always use a grounded three-prong power outlet.
	6.Do not touch the nozzle or printing surface during operation as they may be hot. Keep hands away from machine while in use to avoid burns or personal injury.
	7.Do not wear gloves or loose clothing when operating the printer. Such cloths may become tangled in the printers moving parts leading to burns, possible bodily injury, or printer damage.
	8.When cleaning debris from the printer hotend, always use the provided tools. Do not touch the nozzle directly when heated. This can cause personal injury.
	9.Clean the printer frequently. Always turn the power off when cleaning, and wipe with a dry cloth to remove dust, adhered printing plastics or any other material off the frame, guide rails, or
	wheels . Use glass cleaner or isopropyl alcohol to clean the print surface before every print for consistent results.
	10.Children under 10 years of age should not use the printer without supervision.
	11.This machine is equipped with a security protection mechanism. Do not manually move the nozzle and printing platform mechanism manually while booting up, otherwise the device will 👘
	automatically power off for safety.
	12.Users shall comply with related nation and region's laws, regulations and ethical codes where the equipment or produced prints by it is used, and users of our product shall not use
	aforesaid products to print any end-use products, objects, parts or components or any other physical prints that violate the national or regional laws, regulations and ethical codes where herein
	referred product and produced prints by it is located.
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	~
	1、请勿尝试任何使用说明中没有描述的方法来使用本机,避免造成意外人身伤害和财产损失:
	2、请勿将本机故管在易燃易爆物品或高执源附近、请将本机故管在通风,照流,少尘的环境内:
	3. 请勿将于印机放置在运动较大或者其他不稳定的环境内,机器晃动会影响打印机打印历景:
	4. 建议使用厂家推荐耗材、以免造成将出头堵塞和机器指标:
	7. 请勿在安装过程中使用其他产品电源线代替。请使用本机附带的电源线,电源插头需接插在带有加线的三孔插座:
	○、時がに大会には「必須ない」の「あった」の「「「「」」の「「」」の「「」」の「「」」の「「」」の「」」の「」」」の「」」」の「」」」、「」」、「
	7. 请勿在近了中町は一門辺底に受命ななかい以前で町の価点で切る点のなるのにう。
	8.存打I的是19mm13.至现金统约为6分温信助工具发稿头上的耗材清理干净。清理时清勿直接用手触摸暗头,以防出现汤传:
	C 兰州中方 III 从上的 人口 加油 日本 我打印和 他的 鼻法: 提去 在公和 数法的打印 林风 异菊 上的 是做 人的 是一个 人的 医外外的 医小子 化合金
	10. 在脸在10岁以下的日童,清冽在没有人员监督的情况下使用本机。以免洗成人具由中心中心的小人的小生的开始。
	11. 本机设有安全保护机制,请勿在开机状态下手动快速移动喷头及打印平台机构,否则设备会自动断电关机保护
	12. 使田老应遵守设备打印产品与设备所在地及相应国家及地区注律, 法规, 恪守职业道德, 严禁使用我司产品打印有法设备打印产品与设备所在地及相应国家
	地区法律禁止的任何产品或物件。

# **Product Introduction** 设备简介



1	XE-axis ki <b>XE轴组件</b>
2	X-axis limit such X轴限位开关
3	Print pdtform 打印平台
4	Z-axis limit such Z轴限位开关
5	Nozzle ki喷头套件
6	Z-axispassive blockZ轴被动块
7	Screen 显示屏
8	Knob swi tch 旋钮开关
9	Power supply电源

10	Power switch and socke 电源开关及插座
11	Filament detector 断料检测
12	Extruder 挤出机
13	E-axis motor E轴电机
14	Coupling 联轴器
15	Material rack and material tub料架及料管
16	Z-axis motor Z轴电机
17	Machine base 机器底座
18	Y-axis motor Y轴电机

## Equipment Parameters <sub>设备参数</sub>

	Basic Parameters 基本参数
Model   型号	Ender-3 Max
Print size   成型尺寸	300x300x340mm
Molding technology   成型技术	FDM
Number of nozzle   喷头数量	1
Layer thickness   打印层厚	0. 1mm-0. 4mm
Nozzle diameter   喷嘴直径	Standard   标配 0.4mm
XY axis precision   精度	±0.1mm
Filament   打印材料	Φ1.75mm PLA
File format   支持格式	STL/OBJ/AMF
File Transfer 打印方式	USB/SD card  存储卡脱机打印或联机打印
Compatible slicing software   可兼容切片软件	3D Creator Slicer, Repetier-Host, Cura, Simplify3D   创想三维切片软件、Repetier-Host、Cura、Sirnpli
Power speci cation   电源规格	Input   输入:AC 115/230V 50/60Hz Output   输出:DC 24V
Total power   总功率	350W
Hotbed temperature   热床温度	≤100° C
Nozzle temperature   喷嘴温度	≤250° C
Resume printing function   断电续打	Yes   有
Filament sensor   断料检测	Standard   标配
Dual z-axis screws   双Z轴丝杆	No   不支持
Language switch   语言切换	English   中文
Computer operating system  电脑操作系统	Windows XP/Vista/7/10/MAC/Linux
Print speed   打印速度	≤180mm/s, 30-60mm/s normally   ≤180mm/s,正常为30-60mm/s
BL Touch   自动调平	Optional   选配

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\*Tips: the above accessories are for reference only, please treffae physical accessories! 注意: 以上配件仅供参考,请以实物为准!

# 1

## **Install the Gantry Frame** 安装龙门架

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Put the gantry on the base, tighten and x it with 4 M5\*65 combination screws. 用4颗M5\*65 内六角圆柱头螺丝将龙门架放置于底座上,拧紧固定。



1 Printer base]底座组件 x 1





M5x65 socket head x 4 cap screws M5x65内六角圆柱头螺丝



2

# Install the Power Supply g装电源

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Fix the gantry frame with 2 M4\*25 hexagon socket at head screws. 用2颗M4\*25内六角平圆头螺丝置于龙门架上,拧紧固定。















## Cable Connection 设备接线

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Connect X, E, Z-axis stepper motors according to the yellow label on the 6-pin (4 wires)按照6tpin(4根线)端口上黄色标签提示连接X、E、Z轴步进电机。 Connect X, Z-axis limit switches according to the yellow label on the 3-pin (2wires)按照8tpin(2 根线)端口上黄色标签提示连接X、Z轴限位开关。







### 

Make sure the nozzle returns to origin and turn o the montpingDthe leveling process, please do not touch the Te onandubmozzle cable. 确认喷嘴回到原点,方可关闭电机;调平过程中,请不要触碰铁氟龙管及喷头排线。 8

1. Move the nozzle near the top of the leveling nut. Scrawtthad adjust the distance between the nozzle and the printing form BRISDOR about of thickness of a piece of A4 paper)

2. We can use a piece of A4 paper to assist in leveling; the theazel can just scratch the A4 paper. Adjust the levelsing, the four sides in turn until you can feel the slight resistance from the nozzle when pulling the A4 pape

3. Test the distance between the nozzle and the print platifiormanough or not. Repeat the above steps 1-2 times if necessary

1.移动喷嘴至调平螺母上方附近。拧动螺母,调节打印平台喷嘴使二者处于好贴合状态,间距约为0.1mm。(一张A4纸的厚度)

2. 我们可以利用一张A4纸辅助调平,使喷嘴刚好能在A4纸上产生划痕。依次完成四个边上上调平螺母的调节,不断调整直到在拉动A4纸时能感受到来自喷嘴的轻微阻力。 3. 测试平台中间间隙是否合适,如有必要可重复上述步骤1-2次。





#### Method 1



#### 方法一



Note: The UI information is only for reference, the actual UI may be different. 注意:界面仅供参考,实际以UI为准。

## **Preheat** <sub>预热</sub>

#### Method 2

Info screen 1 Prepare + Control + Print from TF + Language +	>>	Main Temperature Motion Filament Store Settings	<u>+</u> + + +	>>	Control <u>†</u> Nozzle: O Bed: O Fan Speed: O% Preheat PLA Conî +	>>	Nozzle:	200
方法二 信息屏	>>	主菜单 温度 运动 丝料测容 保存设置	<u>+</u> + +	>>	<u>控制 → </u> <u>&amp; 喷嘴: 200</u> & 热床: 50 风扇速率: 0% 预热 PLA 设置 →	>>	喷嘴:	200

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Note: The UI information is only for reference, the actual UI may be different.注意:界面仅供参考,实际以UI为准。



When you wait for the temperature to rise, hang the filament over the filament holder. 当您等待温度上升时, 把耗材挂在料架上。





## Load Filament 装料

When the temperature reaches the target temperature, press the extruder spring, insert the lament into the small hole of the extruder until the position of the nozzle, and waiting to the lament ows out at the nozzle, which means that the lament has been loaded.

当温度达到目标温度时,按住挤出机弹簧,将耗材插入挤出机小孔直至喷嘴位置,等看到喷嘴处有耗材流出即表示耗材已经装载完成。



### ÷Ò:-

- Tips: How to replace the filament?
- 1. Cut filament near the Extruder and slowly feed new filament until they are fed into the new filament.
- 2. Withdraw the filament quickly and feed the new faliment after nozzle preheated and filament pushed a little forward. Tips: 如何更换耗材?
- 方法一、在靠近挤出机处将耗材剪断,将新耗材缓缓送入,直到耗材被送入导料管为止。
- 方法二、预热喷嘴后,将耗材往前推进一下后,迅速抽出耗材,将新耗材送入。







5.Generate G-code, and save the gcode file to storage card. 生成 G 代码→保存到存储卡



6.Insert the storage card  $\rightarrow$  press the knob  $\rightarrow$  select the menu  $\rightarrow$  the file to be printed.

插入存储卡→按下旋钮→选择菜单→要 打印的文件

Info screen Prepare Control Print from TF Language	t + + + +	>>	Main Test.go
--	-----------------------	----	-----------------



主菜单	t
test.gcode	

ode

File names must be Latin letters or numbers, not Chinese characters or other special symbols 文件名需为拉丁字母或数字,不能为汉字或其他特殊符号

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Notes: For details on the software instructions, please refer to the slicing software manual in the memory card! 温馨提示:软件使用说明详情,请见存储卡内切片软件使用手册!

## **Circuit Wiring** 电路接线



## **Trouble-Shooting**



故障检修

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Due to the differences between different machine models, the physical objects and the final images can differ. The final explanation rights shall be reserved by Shenzhen Creality 3D Technology Co., Ltd.

因每款机型不同,实物与图可能有所差异,请以实物为准,最终解释归深圳市创想三维科技有限公司所有。



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