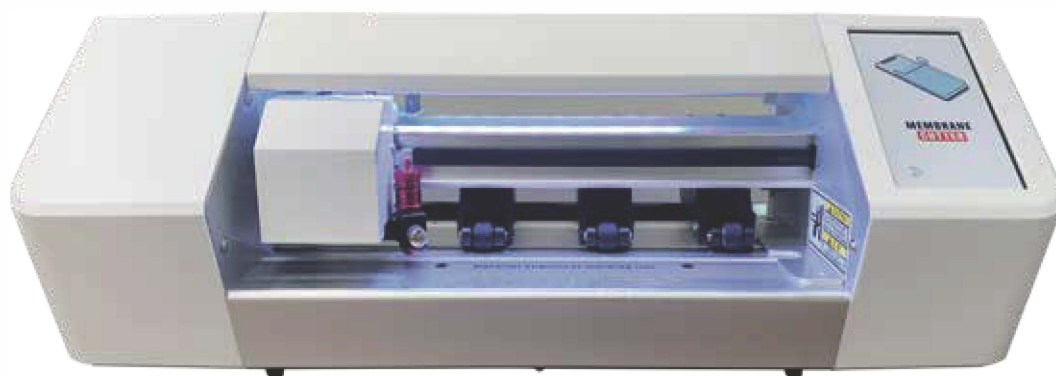


USER'S MANUAL

THANK YOU FOR USING

用户手册



SP310

Gutting Machine

智能切割机

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一.Installation Precautions 安装注意事项

- ▶ To ensure proper use of our cutting machines, please follow the instructions on the signs below.
- ▶ 为确保能正确地使用我们的切割机, 请遵守以下标志的指示说明。

①.Ensure safe use 确保安全的使用方法

<div>Caution 警告</div> <div></div>	<div>Improper operation can result in personal injury.</div> <div>操作不当会导致人员受伤。</div> <div>操作不当会导致机器的受损。</div>
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②. Glyph description 标志符号说明

<div></div>	<div>The symbol indicates that the user needs to pay great attention.</div> <div>The pattern inside the triangle indicates what should be noted, The picture on the left shows "careful electric shock"</div> <div>符号表示使用者需高度重视及注意</div> <div>三角形内的图样表明应注意的情况，表示“小心触电”</div>
<div></div>	<div>The symbol indicates the action that must be prohibited, and the pattern inside the circle indicates the prohibited action.</div> <div>The picture on the left shows “Not disassembled”</div> <div>符号表示必须禁止的举动，圆圈内的图样标明所禁止的动作。表示“不得拆卸”</div>
<div></div>	<div>Caution 警告</div>
<div></div>	<div>The following operations are prohibited under any circumstances:</div> <div>任何情况下禁止以下操作：</div> <div>1. It is forbidden to use a power supply that does not meet the rated voltage. Using a power supply that does not meet the requirements may result in fire or electric shock.</div> <div>1、禁止使用不符合额定电压的电源，使用不符合规定的电源可能导致火灾或电击。</div>

	<p>2. If the machine emits smoke, emits odor, noise or other abnormal conditions, please do not use it. Under such conditions, it may cause fire or electric shock.</p> <p>2、如机器冒烟,发出异味,杂音等异常情况,请切勿使用,此种状况下使用可能会造成火灾或电击。</p> <p>3. It is forbidden to infiltrate liquid into the machine, and it may fall into metal objects, etc. These objects may cause short-circuit fire.</p> <p>3、机内禁止渗入液体,掉入金属物件等,这些物体可能会导致短路火灾。</p> <p>4. It is forbidden to touch the tip of the knife with your fingers. The sharper tip may cause finger injury.</p> <p>4、禁止用手指触摸刀尖,刀尖比较锋利可能会导致手指受伤。</p> <p>5. It is forbidden to destroy or replace the original power cord at will, and it is forbidden to excessively bend, pull, bind and press under the weight of the power cable. The power cord may be damaged, resulting in electric shock or fire.</p> <p>5、禁止破坏或随意更换原配电源线,禁止对电源线过度弯曲、强拉、捆绑及压在重物下。可能会使电源线受损,导致电击或火灾。</p> <p>6. If the cutting machine is not used for a long time, please unplug the power cord from the socket. Doing so may cause a fire.</p> <p>6、如较长时间不用切割机,请把电源线从插座拔下来。否则可能会导致火灾。</p> <p>7. When not in operation, keep your hands on the capstan and may cause injury.</p> <p>7、不操作时,双手不可放在主导轴上,可能会导致受伤。</p>
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二.Machine related accessories and parameters 机器相关配件以及机器参数

①.Machine contains accessories 机器包含配件

1.One set machine 机器一台

- 2.A set of knife holders (including the knife inside) 刀座一套(含刻刀在内部)
- 3.Set of power adapter 电源适配器一套(含电源线一条)
- 4.one Operating manual 操作说明书一本

②.Machine related parameters 机器相关参数

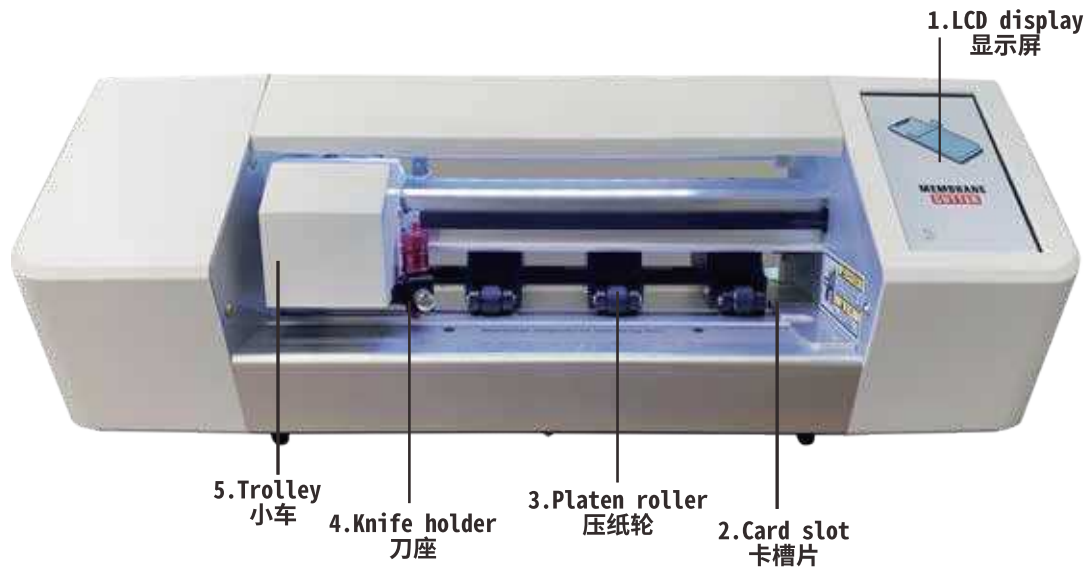
- 1.The maximum width of the material into the machine is 180mm
- 2.The Maximum depth of the material into the machine is 105mm
- 3.Cutting accuracy $\pm 0.1\text{mm}$
- 4.repeat accuracy $\pm 0.1\text{mm}$
- 5.Cutting speed (4 gear in total) 300-600mm/S
- 6.Cutting pressure (5 gear in total) 30-90 digital gear (corresponding pressure 150-450g)
- 7.Data transmission method: Mobile phone Bluetooth APP data output
- 8.Input voltage and current: DC24V, 2A
- 9.Machine power: ≤ 48 watts
- 10.Working environment temperature: -5° to $+45^{\circ}$
- 11.Machine net weight 6kg
- 12.Machine size: 530*180*170mm

- 1、机器进材料最大宽度180mm
- 2、机器进材料最大深度105mm
- 3、切割精度： $\pm 0.1\text{mm}$
- 4、重复精度： $\pm 0.1\text{mm}$
- 5、切割速度(共4档) 300-600mm/S
- 6、切割压力(共5档) 30-90数字档位(对应压力150-450g)
- 7、数据传输方式：手机蓝牙APP数据输出
- 8、输入电压和电流：DC24V、2A
- 9、机器功率： ≤ 48 瓦
- 10、工作环境温度： $-5^{\circ} \sim +45^{\circ}$
- 11、机器净重 6kg
- 12、机器尺寸：530*180*170mm

三.Machine product schematic 机器产品示意图

- ▶ Machine 's schematic diagram and description functions of each part
- ▶ 机器产品的示意图以及各部位功能介绍

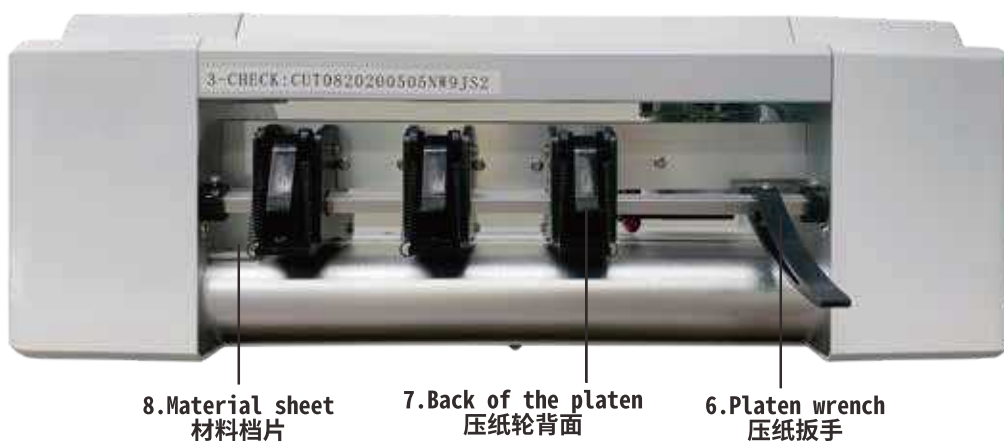
①.Front of the machine 机器正面介绍



- 1.LCD display (function, display machine LOGO, button cash withdrawal and set machine parameter button)
- 2.Card slot (two card slots in left and right, material plugged in to position)
- 3.Platen roller (pressing paper cutting material front and rear movement)
- 4.Knife holder (mounting blade, used for cutting materials)
- 5.Trolley (the left and right cutting of the machine and the loading of the upper and lower blades)

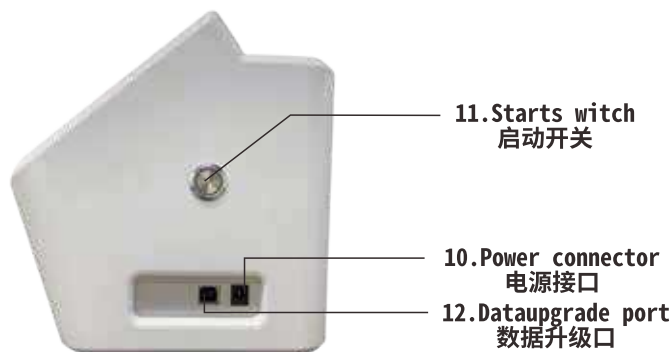
1. 液晶显示屏 (作用, 显示机器LOGO, 有按键和设置机器参数按键)
2. 卡槽片 (左右两块卡槽片, 材料塞进去起定位作用)
3. 压纸轮 (压纸切割材料前后运动)
4. 刀座 (安装刀片, 切割材料使用的)
5. 小车 (机器左右切割和上下刀片的装置)

②.Back of machine 机器背面介绍



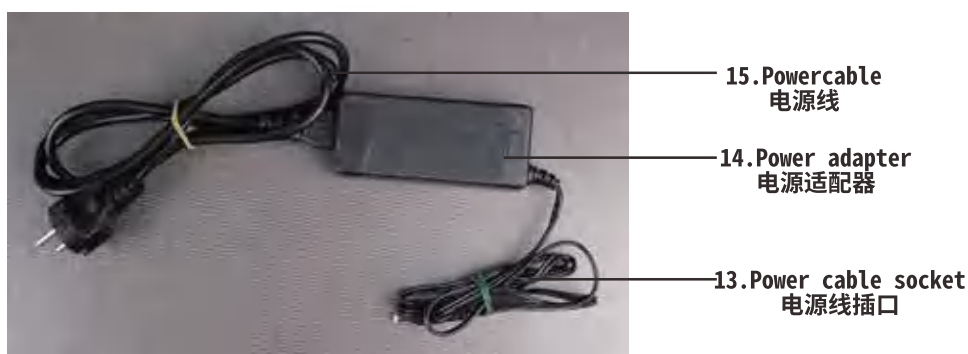
6. Platen wrench (up and down to control the platen to hold the material and loosen the material)
7. Back of the platen
8. Material sheet (the cutting material pushed to the top of the diameter to the position of the sheet to play the role of positioning)
- 6、压纸扳手（上下扳动，来控制压纸轮来压住材料和松开材料）
- 7、压纸轮背面
- 8、材料档片（切割材料推进来直径顶到档片位置，起定位的作用）

③.Side of machine 机器侧面介绍



10. Power connector (interface to connect to the machine's power adapter)
11. Start switch (the switch button of the machine start-up. Pay attention to the power-on button, the blue light will be on, and the power-off will take a long press for 3 seconds to start the switch, and the machine will be powered off)
12. Data upgrade port (USB and U disk interface used by the machine to upgrade the updated version via the computer)
- 10、电源接口（连接机器电源适配器的接口）
- 11、启动开关（机器开机启动的开关按钮。注意开机按一下开关蓝色灯亮起开机，关机需要长按3秒启动开关,机器才断电关闭）
- 12、数据升级口（机器通过电脑升级更新的版本用的USB和U盘接口）

④.Machine power adapter 机器电源适配



13. Power cable socket (direct corresponding to the 10-position machine power socket, plugged in)

14. Power adapter (Power input AC 110-220V Power frequency voltage output 24V = 2A)

13. 电源线插口 (直接对应10位置的机器电源插口, 插上通电)

14. 电源适配器 (电源输入AC110-220V的工频电压 输出 24V=2A)

15. 电源线 (连接电源接头)

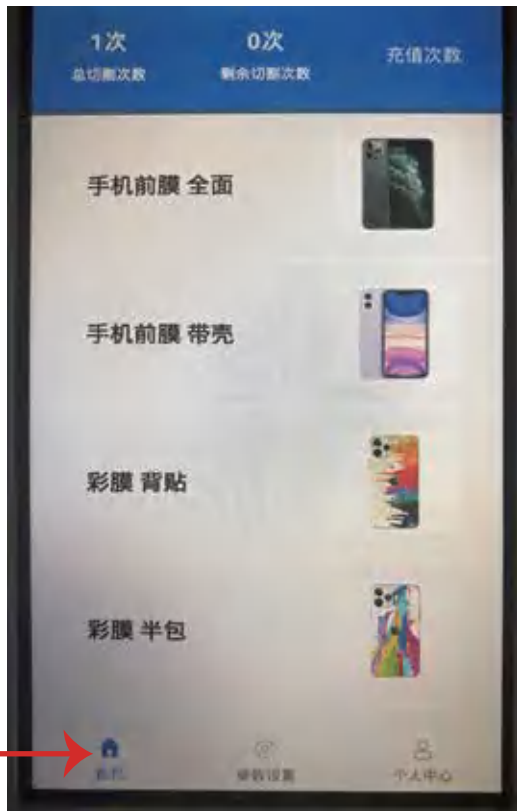
四. Basic operation of the machine 机器的基础操作

- ①. The LOGO interface will be displayed when the machine is turned on.

机器开机后会显示LOGO界面



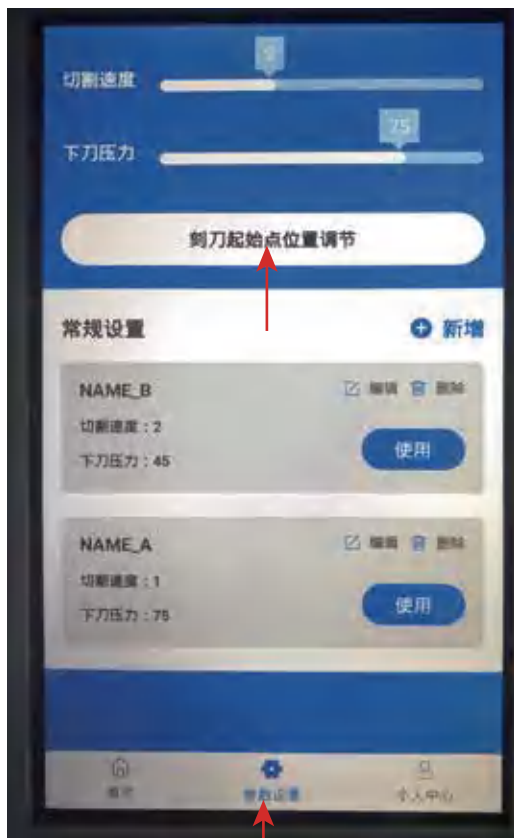
首页
Home



个人中心
Personal center



参数设置
parameter settings

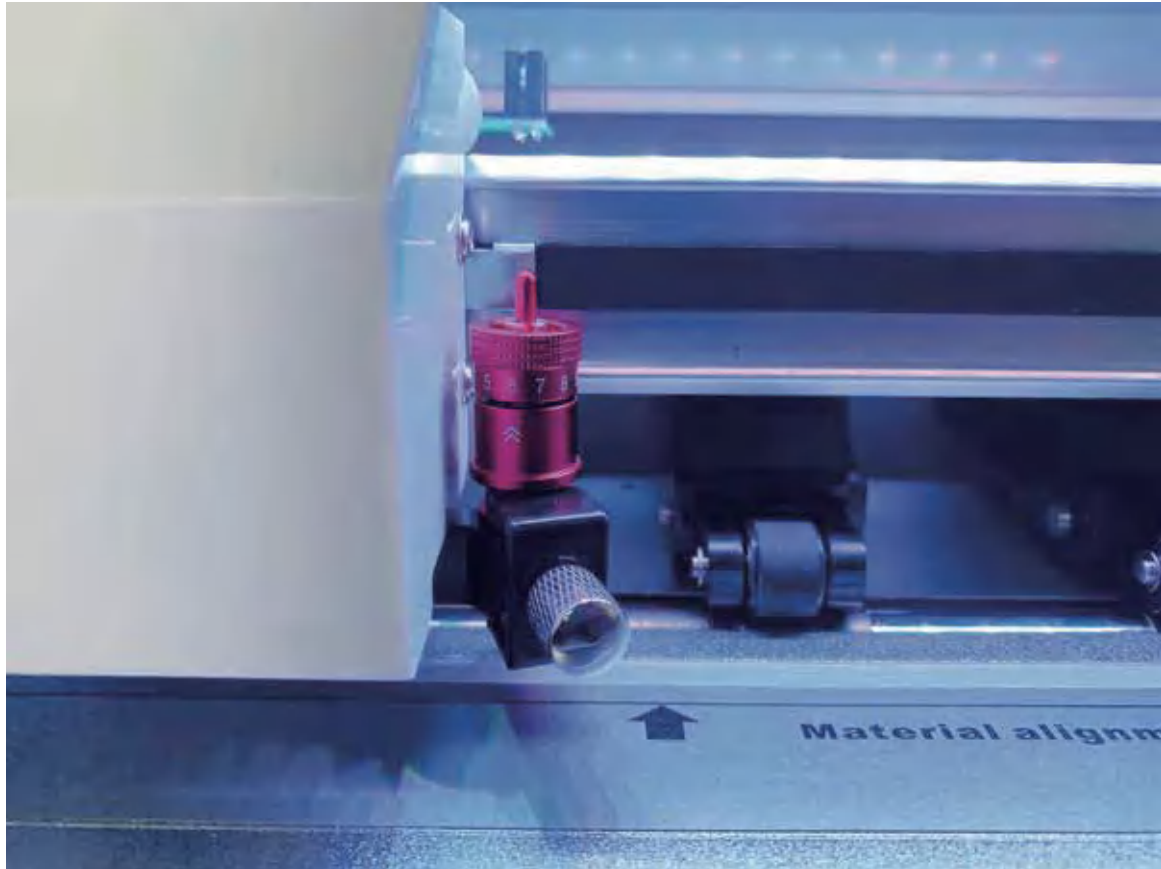


Machine adjustment parameters
机器调节参数



Coordinate adjustment
坐标调节

②.Knife holder mounting and adjustment 刀座安装和调节



The red part of the machine is a knife holder

The tool holder has a total of 10 gear positions (represented by 123456789AB). The larger the number of the tool nose position, the longer the tool tip extends, indicating the thicker the material that can be cut.

The default knife nose position of the machine is 5, and other gear positions are adjusted according to different material requirements. For example, in the case of cutting the TPU front film, it is cut according to the digital standard of the default tool position position 5 speed 1 pressure 75. If the material cuts through, we need to reduce the tool position to 4 steps. In the case of continuous cutting and cutting, we need to increase the position of the knife to 6 steps.

Knife holder clamping position

Pay attention to the correct position of the holder, the holder position should be locked inside the holder.

机器红色部分为刻刀刀座

刀座一共有10个档位（用123456789AB代表），刀尖档位的数字越大伸出的刀尖就越长，表示可切割的材料越厚

机器默认刀尖档位为5，其他档位根据不同的材料需求做出相应的调整。例如（以切割TPU前膜为例，按默认刀座档位5 速度2 压力为75的数字标准切割，如果材料切割穿透。则需要把刀座档位调小至4档。反之如果没有切割穿还不断的情况下则需要我们把刀座档位调大至6档。

刀座装夹的位置

注意刀座装夹正确的位置,刀座卡位要锁在夹头里面

Correct clamping way

✓ 正确装夹方式



Wrong clamping way

× 错误装夹方式



Incorrectly clamped way can result in the knife and the holder are not in contact with the material, so that the material is not cut or the cut is lower worn.

错误装夹的方式会导致刻刀和刀座接触不到材料,从而切割不到材料或者切割不穿。

③. Material placement 材料的放置



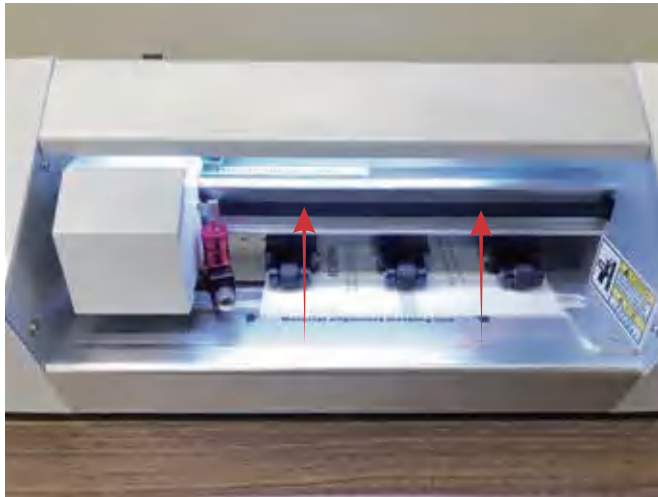
The first step is to hit the wrench on the back of the machine.

第一步、先将机器背后的扳手打下去



The material is pushed along the middle of the card slot and pushed directly to the bottom to hold the blade.

材料顺着卡槽中间推进去,直接推到切割起始位置。



Finally, lift the wrench up so that the material is pressed and the next cutting operation can be performed.

最后把扳手抬起来，这样材料就压好了，可以进行下一步切割操作。

五. Software operation 软件部分操作

WIFI connection WIFI连接



② Enter the serial number 输入序列号

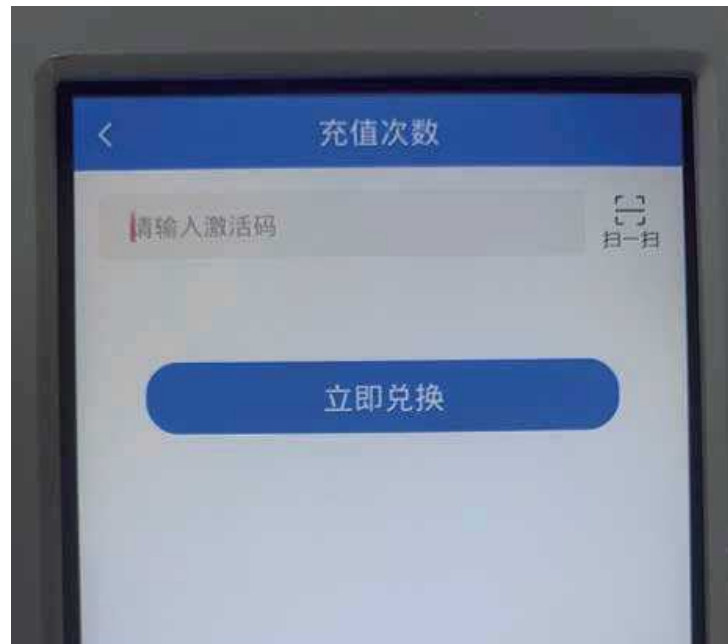
Serial number login
序列号登陆



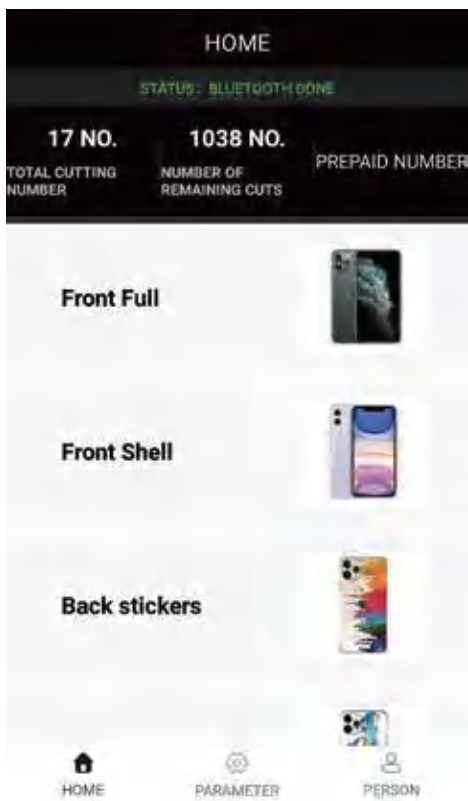
Enter the serial number and click OK to enter the system
输入序列号点击确认, 进入系统



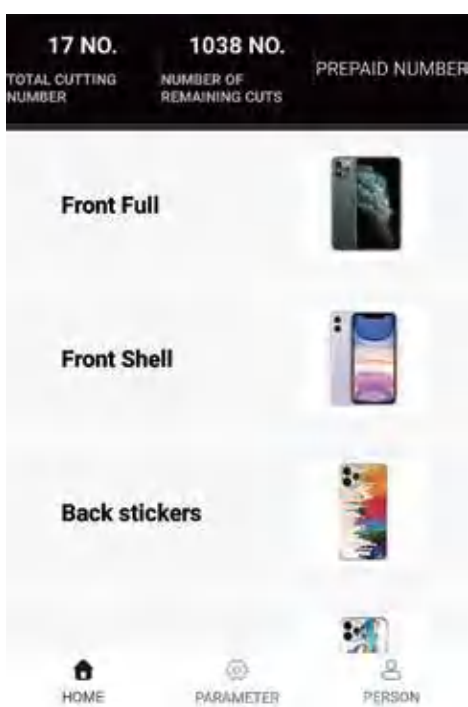
After logging into the system,
the number of recharge cuts
登陆系统后, 充值切割次数



Scratch the recharge code and punch the number of cuts into
刮开充值码, 将切割次数冲入



After the recharge is completed, enter the homepage to cut
充值完成之后, 进入主页进行切割



Select category
选择类目

Select the category to be cut and go to the next page
选择需要切割类目, 进入下一页



Select the category you want. After the machine is successfully connected, you can select the categories that need to be cut in the software, such as: mobile phone front film, mobile phone back film, watches, headphones, etc.

For example, after clicking the mobile phone front film command, select the mobile phone brand model type.

Such as. Apple, Samsung, Huawei and other brand models:

Click on the model to go to the next option

选择需要类目。

机器连接成功之后，在软件里面可以选择需要切割的类目比如：手机前膜、手机背膜、手表、耳机等等

比如点击手机前膜指令后，再选择手机品牌型号类型

如。苹果、三星、华为等品牌型号：

点击型号进入下一个选择项



After selecting the model number, No models phones in Subdirectory will be appear below,
A single phone model for this branded phone.

Choose a specific model of a mobile phone with the customer's own needs

You can also find the model you need directly from your phone's search identification.

选择型号之后,没有型号的子目录下面会出现,这个品牌手机的单个手机型号。

跟据客户自己的需求选择单个手机具体型号。

也可以直接通过手机的搜索识别来查找所需型号。



The relative file model will also appear after the search character.

Then select the corresponding phone model and enter the data preview interface.

搜索字符之后也会出现相对的文件型号。

再选择对应的手机型号,进入数据的预览界面。

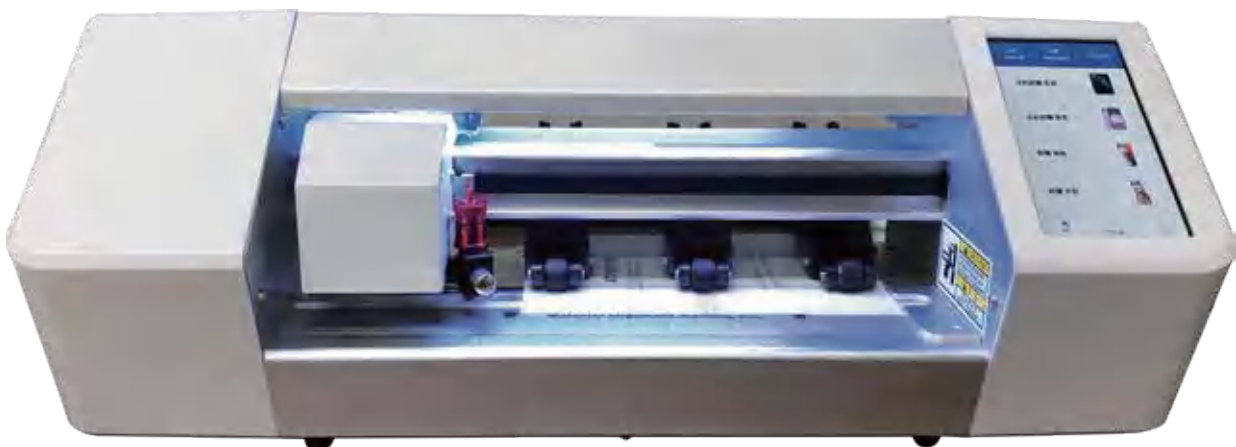


After entering the interface of the mobile phone preview, you can see a preview of the line data that needs to be cut. There are vector graphics and corresponding shapes and models that need to be cut.
Click to send.

进入手机预览的界面之后,可以看到当前需要切割的线条数据的预览图,上面有矢量图以及需要切割的形状和型号对应标示
点击发送。



The software will prompt to send successfully.
Output data to the mobile phone film cutting machine via Bluetooth
The machine starts working to cut out the finished product.
软件会提示发送成功
通过蓝牙输出数据到手机膜切机内。
机器开始工作切割出成品。



The cutting operation is completed!
切割操作完毕!

六、Operation of the machine 机器整体操作

- ▶ The above steps need to be completed before the machine is officially cut.
Connect the power supply---turn on the power supply---install the knife holder and the knife---put the material pressure--
Log in to the main screen system of the machine.
- ▶ 机器正式切割前需要操作完成以下的步骤。
连接好电源---打开电源---安装好刀座和刻刀---放好材料压好--
登陆好机器主屏幕系统。

①.Connect the power cable and turn on the power 接上电源线, 打开机器电源。



The machine presses the power switch to display the blue light, and the power is turned on after the screen is lit.

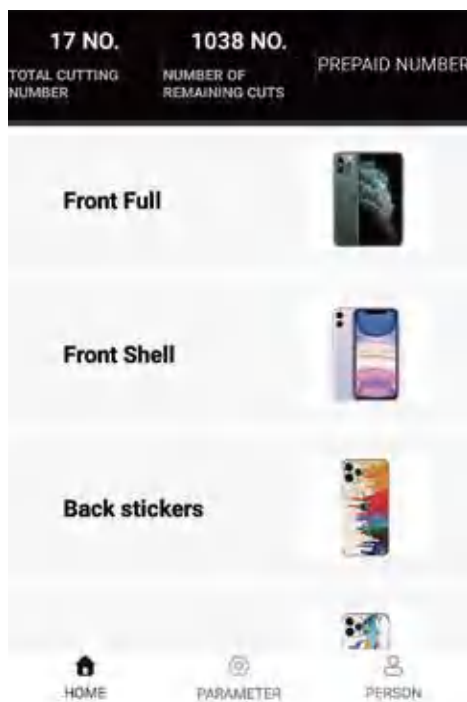
机器按电源开关显示蓝灯, 屏幕亮起之后显示通电完成。

②.Detect installed knives and placed materials 检测安装好的刻刀和放置好的材料

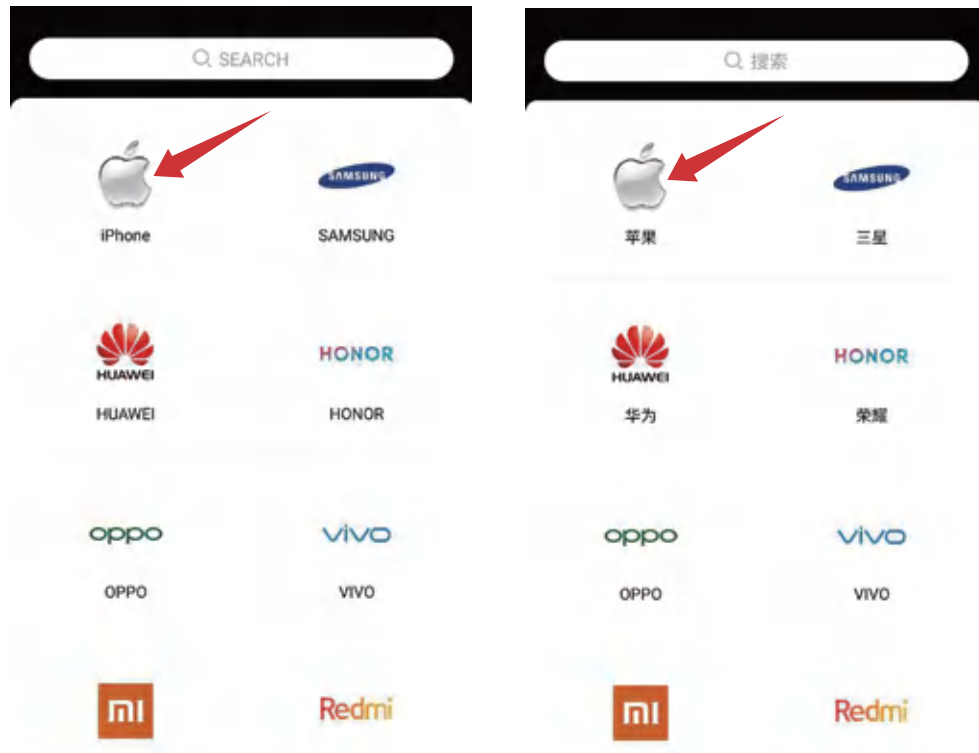


After the knife holder is adjusted according to the instruction.
 The material can be installed according to the instructions in Section.
 刀座按说明书调试好后。
 材料按说明书部分安装好即可

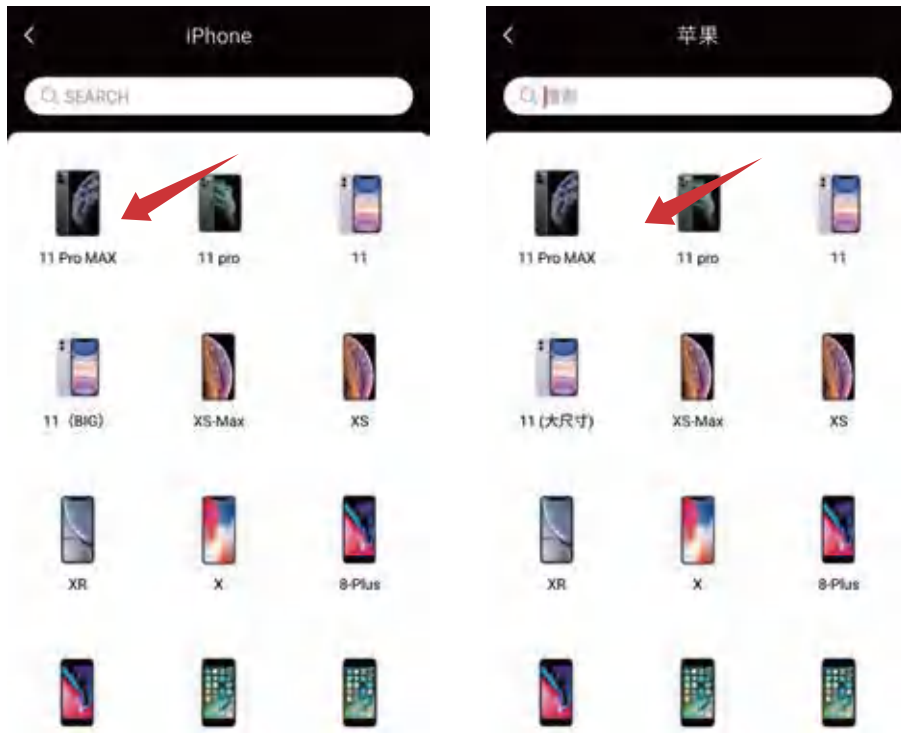
③. Go to the page for cutting进入页面进行切割



④.Select cutting data 选择切割数据。



Choose mobile phone brand 选择手机品牌



Select specific model 选择具体型号



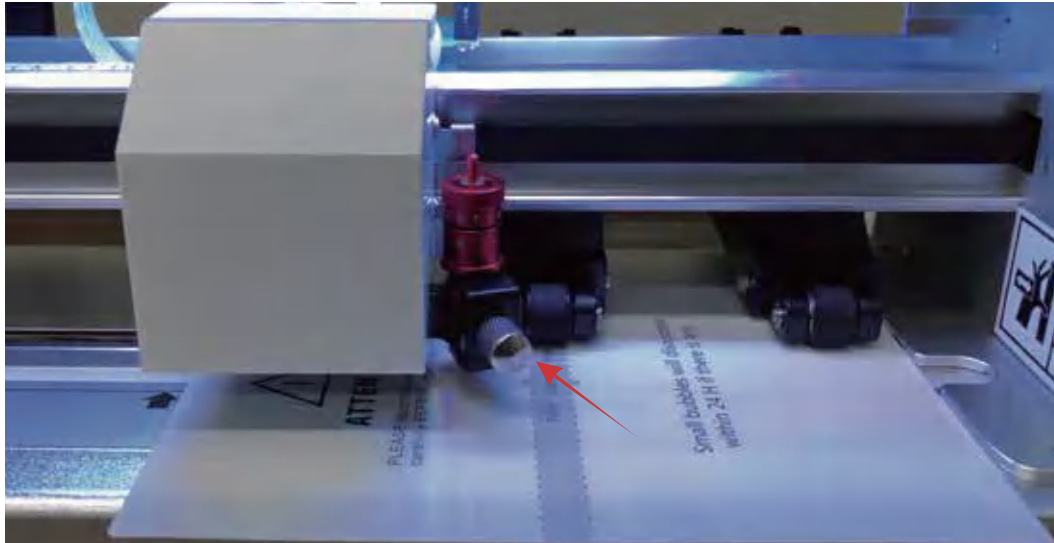
send data

The software will prompt that the transmission is successful and the machine will start working for cutting.

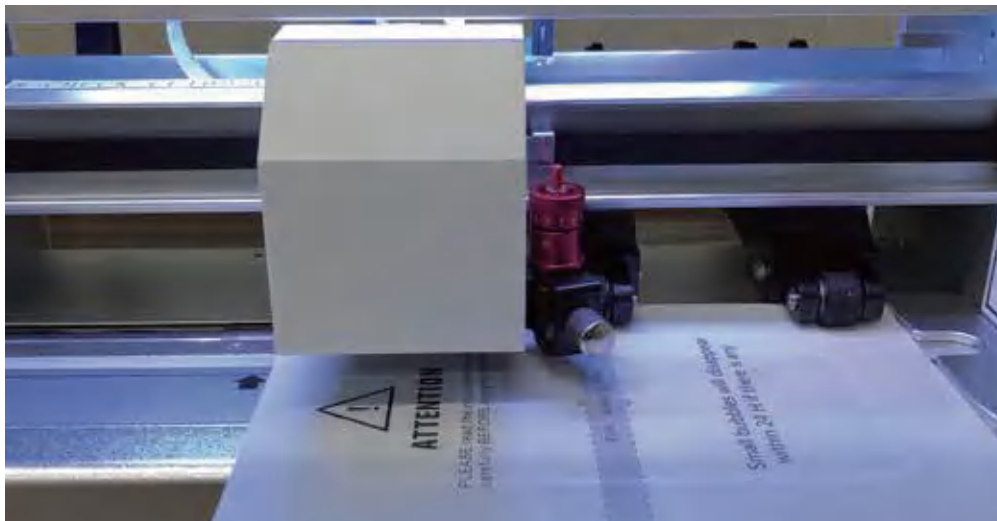
发送数据

软件会提示发送成功,机器会开始工作进行切割。

⑤.The machine receives the receipt automatically cut
机器接收到收据自动切割



The machine will start cutting according to the path
机器会按照路径开始切割



After the cutting, the material is automatically withdrawn and the cutting is completed.
机器切割完成之后,就会自动把材料给退出,切割完毕。

Serial Model No: 系列型号	SP310, SP390, MINI9
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FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

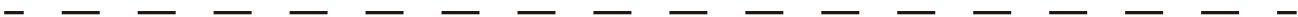
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

**QUALIFIED
CERTIFICATE**



CHECKER:

CERTIFICATED



**Warranty
Card**

Product Name: _____

Model: _____

Product Number: _____

Inspector: _____

Inspection date: _____