



# 平板扫描数字化仪 使用说明书

GetonAgain Flatbed Scanning Digitizer  
User' s Manual  
V1.0

编制:

Prepare:

审核:

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批准:

Approve:

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# 平板扫描数字化仪使用说明书

## GetonAgain Flatbed Scanning Digitizer User' s Manual

### V1.0

- 非常感谢您选购再登产品;

Thank you very much for choosing GetonAgain products;

- 在使用之前请仔细阅读本手册，正确安全的使用本产品;

Please read this manual carefully before use and use this product correctly and safely;

- 请妥善保管此手册;

Please properly keep this manual;

## 2 Safety Precautions

### 2.1 Definition of labels

To use the machine safely and accurately, and to prevent personal injury and property damage, this manual stipulates the following three safety precautions. Please understand the difference.



#### **Danger**

This type of sign provides danger precautions, which if ignored can easily cause fatal or serious harm to the operator.



#### **Warning**

This type of sign provides warning precautions, which if ignored may cause fatal or serious injury to the operator.



#### **Caution**

This type of sign provides caution precautions, which if ignored may cause injury to the operator or impair the physical performance of the machine.

## 2 安全注意事项

### 2.1 标志定义

本手册的使用常规

要安全准确地使用机器，以及防止人体受伤和财产损失，本手册规定以下三种安全注意事项。请理解其差异。



#### **危险**

该类提供危险注意事项，如果忽略，很容易对操作人员造成致命或严重的害。












#### **警告**

该类提供警告事项，如果忽略，可能会对操作人员造成致命或严重的伤害。

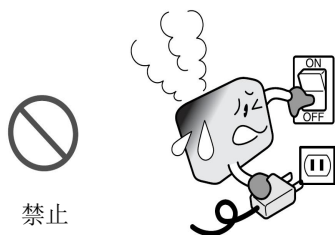


#### **注意**

该类提供注意事项，如果忽略，可能会对操作人员造成伤害，或会削弱机器的物理性能。

		This symbol indicates areas of caution (including warnings). The points to note are illustrations or textual descriptions within or near the symbol.			符号表示应小心注意的地方（包括警告）。需要注意的地方是以图示或该符号内或靠近该符号的文本说明表明
		This symbol indicates actions that should be prohibited. Prohibited actions are indicated by a diagram or text within or adjacent to the symbol.			符号表示应禁止的动作。所禁止的动作是以图示或该符号内或靠近该符号的文本说明表明。
		This symbol indicates an action that must be performed. The representation method is generally indicated by a diagram or text within or close to the symbol.			符号表示必须执行的动作。其表示方法一般以图示或该符号内或靠近该符号的文本来表明。

⚠ 警告



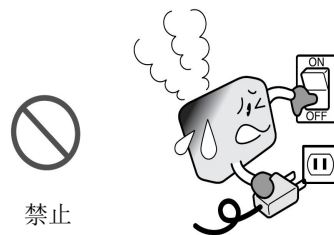
If the machine emits smoke, emits a strange smell due to too hot, or is not working properly for other reasons, please do not continue to use it. Turn off the power and unplug the power cord from the power outlet.

Continuing to use the machine under these conditions may cause fire or electric shock. After confirming that there is no longer smoke, contact the sales representative or the nearest GetonAgain dealer for repair. Do not make repairs yourself. Repairs by inexperienced people are very dangerous.



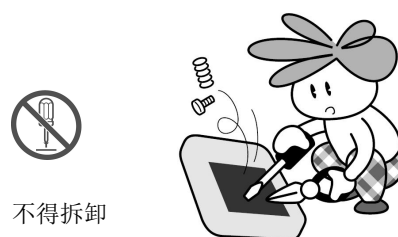
Do not disassemble, repair, or refit the machine. Such behavior may cause electric shock or fire due to electric leakage. Touching high-voltage parts of the machine may cause electric shock. If repair is required, please contact your sales representative or nearest GetonAgain dealer

⚠ 警告

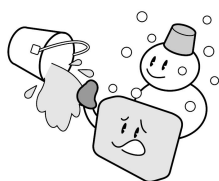


如果机器冒烟，太热发出异味，或其他原因造成不能正常工作，请不要继续使用。关掉电源，并从电源插座拔出电源线。

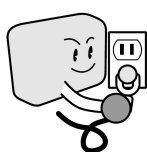
在这些状态下继续使用机器，会引起火灾或电击。确认不再冒烟后，联系销售代表或最近的 GetonAgain 经销商来维修。不要自行修理。由没有经验的人修理是非常危险的。



不得拆卸、修理、或改装机器。该等行为可能会因漏电而引起电击或火灾。触摸机器的高压零件可能会引起电击。如果需要维修，请联系销售代表或最近 GetonAgain 经销商。



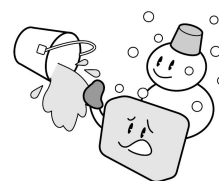
Do not use the machine where there is water, rain or snow. This place may cause electric shock or fire due to electric leakage.



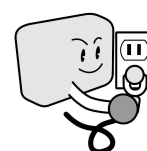
Make sure the machine is installed with a ground connection. If there is no grounding, the operator may receive electric shock due to leakage.



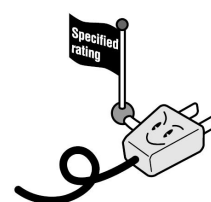
Do not connect the machine to a non-rated power source. Using a different power source may cause electric shock or fire due to current leakage.



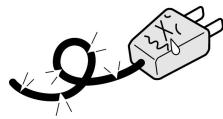
不要在有水、雨或雪的地方使用机器。该地方可能会因漏电而引起电击或火灾。



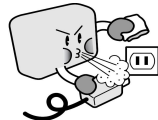
确保机器接地安装。如果没有接地，操作人员可能会因漏电而受到电击。



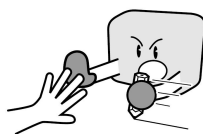
不要将机器连接到非额定电源。使用不同的电源可能会因漏电而引起电击或火灾。



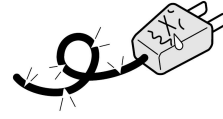
Do not use damaged wires. Using damaged wires may cause electric shock or fire due to leakage of electricity. Replace the power cord with a new one.



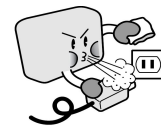
Do not allow dust or metal objects to get on the power plug. A dirty power plug may cause electric shock or fire due to current leakage.



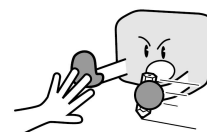
During drawing, do not touch moving parts such as the nozzle. Such behavior may cause personal injury.



不要使用破损的电线。使用破损的电线可能会因漏电而引起电击或火灾。更换成新的电源线。



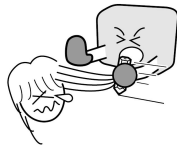
不要让灰尘或金属物质粘到电源插头上。变脏的电源插头可能会因漏电而引起电击或火灾。



运行期间，不要触摸喷头等移动的零件。该等行为可能造成人身伤害。



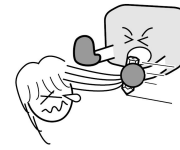
保持距离



Even if the machine stops operating, keep your hands, hair, etc. away from moving parts such as the nozzle, because the machine may suddenly start moving when receiving data. Such behavior may cause personal injury.



保持距离



即使机器停止操作，要保持手、头发等远离喷头等移动的零件，因为接收到数据时，机器可能会突然开始移动。该等行为可能造成人身伤害。



禁止



Do not use or store the machine in direct sunlight, or where there is direct blowing from an air conditioner or heater. Such places may impair the performance of the machine.



禁止



不要在阳光直晒的地方，或有空调机或加热器直吹的地方使用或存放机器。该等地方可能会削弱机器的性能。



禁止



小心电击



Do not use the machine in dusty or humid places. Such places may impair the performance of the machine.



禁止



小心电击

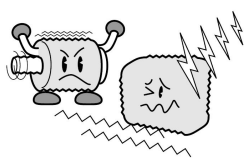


不要在灰尘很多或特别潮湿的地方使用机器。该等地方可能会削弱机器的性能。

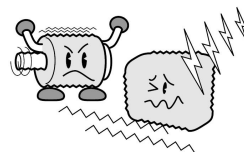




禁止



Do not use the machine where there is excessive mechanical vibration or electrical noise. Use in such places may impair the performance of the machine.



不要在有超机械震动或电噪音的地方使用机器。在该等地方使用可能会削弱机器的性能。



避水



小心电击



Do not place containers of water or other liquids on the surface of the machine. Liquid flowing into the machine may cause electric shock or fire due to electrical leakage.



避水



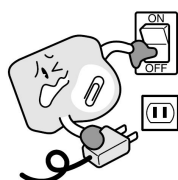
小心电击



不要将装有水或其他液体的容器放在机器的表面上。液体流入机器可能会因漏电而引起电击或火灾。



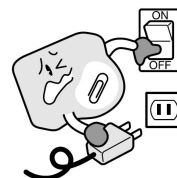
自插座  
拔出电源线



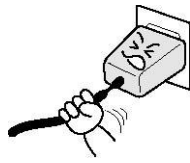
If there is water or foreign matter in the machine, do not continue to use it. Turn off the power and unplug the power cord from the outlet. Using the machine in this state may cause electric shock or fire due to current leakage. Contact your sales representative or nearest GetonAgain dealer for repair.



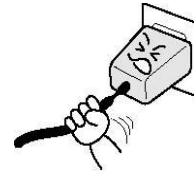
自插座  
拔出电源线



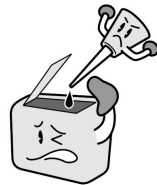
如果机器里有水或异物，不要继续使用。关掉电源，自插座拔出电源线。这种状态下使用机器可能会因漏电而引起电击或火灾。联系销售代表或最近的 GetonAgain 经销商修理。



When plugging or unplugging the power cord or interface cord, do not pull the cord forcefully. Such behavior may damage the wires and cause fire or electric shock.



插拔出电源线或接口线时，不要用力拉插线。该等行为会损伤电线，而引起火灾或电击。



禁止

Do not attempt to add oil to the machine. Such behavior may cause machine failure.



禁止

不要试图给机器添加润滑油。该等行为可能会引起机器故障。



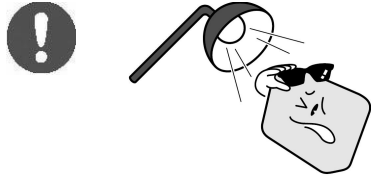
禁止

Do not use volatile solvents such as thinner or gasoline to clean the machine. Such actions may impair the performance of the machine

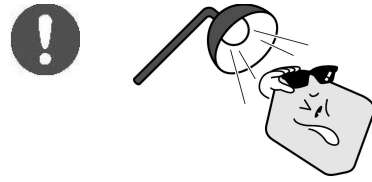


禁止

不要使用稀释剂或汽油等可挥发的溶剂来清洁机器。该等行为可能会削弱机器的性能。



When using indoor lighting such as fluorescent lamps or other electric lamps, ensure that there is at least one meter between the machine and the light source. Too close a distance may cause the sensor to malfunction and not detect the normal size of the media.















使用室内照明如日光灯或其他电灯时，确保机器和灯源之间至少有一米的距离。距离太近可能会引起感应器故障，且不能检测到介质的正常大小。



When you need to manually move the nozzle due to loading media or other reasons, move it slowly. Rapid movement may damage the machine.



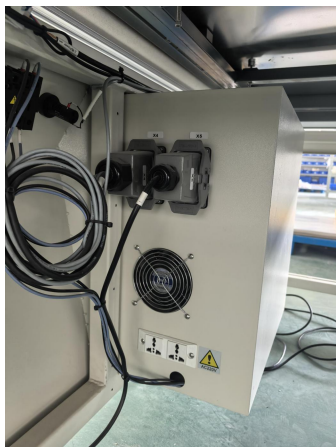
因加载介质或其他原因需要手动移动喷头时，要慢慢移动。快速移动可能会损害机器。

2.2 Warning labels and instructions				2.2 警告标签及说明			
No.	Definition of Warning	Label	数量 Qty	序列号	标识定义	图示	数量
1	Gear drive, Entanglement Hazard Signs		1	1	齿轮传动小心卷入		1
2	Warning Prick		1	2	小心扎手标识		1
3	Pinch Point Hazard Warning		2	3	夹手警示标识		2
4	Warning High Voltage Electricity Label		1	4	警告高压电标签		1
5	Warning Hazardous Moving Parts Label		2	5	警告危险的移动部件标签		2
6	Countertop weight limit Label		1	6	台面限重标识		1

### 3 Installation

#### 3.1 Installation Precautions

##### 3.1.1 Sockets and wiring diagrams on both sides of the electrical box



RIGHT

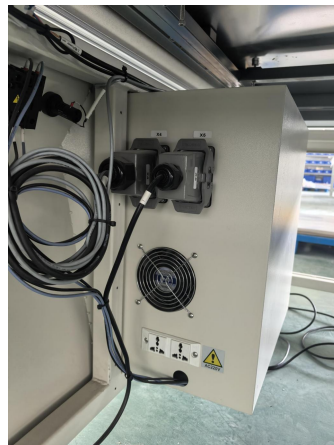


LEFT

### 3 安装

#### 3.1 安装注意事项

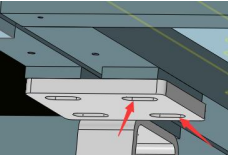
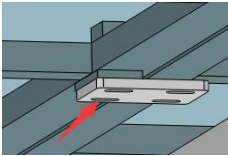
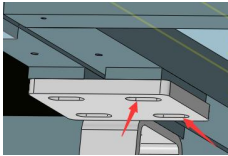
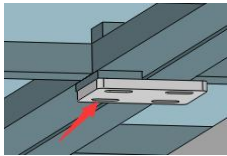
##### 3.1.1 电箱两侧插口插线图

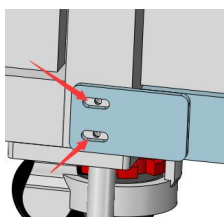
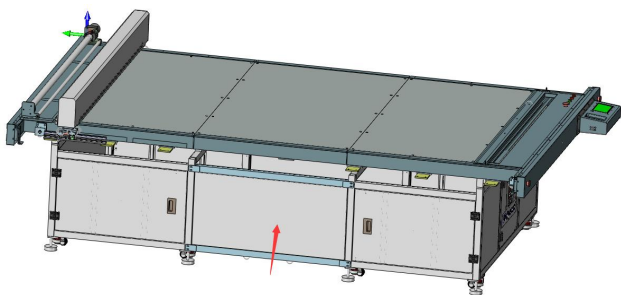


右侧

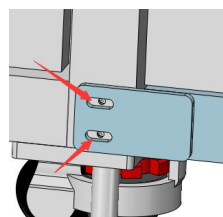
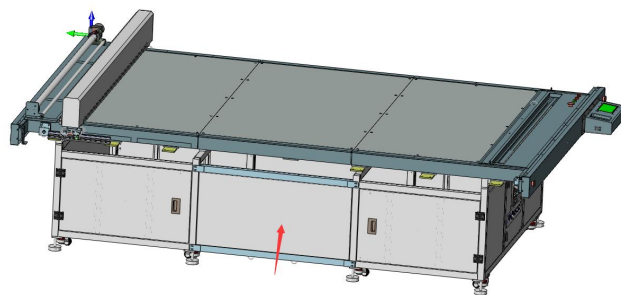


左侧

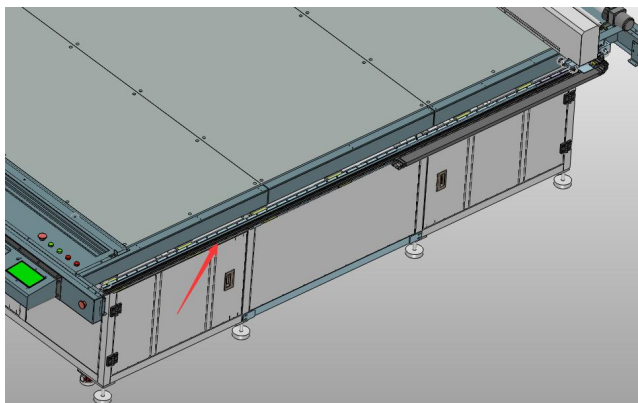
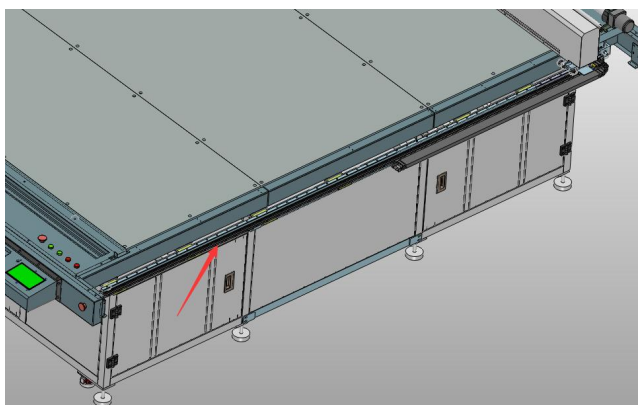
X1: Power cable	X1: 电源线
X2: Scan power supply, emergency stop switch, limit, sensor wire	X2: 扫描供电、急停开关、限位、传感器线
X4: XY Motor wire	X4: XY 电机线
X5: Power on switch, button, fan	X5: 上电开关、按钮、风机
X6: External power supply	X6: 外接电源
<p><b>3.1.2 Machine assembly steps (split machine)</b></p> <p><u>Note: The overall package model is directly moved to the designated location and fixed.</u></p> <p>1. Determine the installation position of rack assembly 2;</p> <div data-bbox="145 1180 373 1335"></div> <div data-bbox="501 1180 729 1335"></div> <p>4. Install rack component 3 and fix it with screws;</p>	<p><b><u>3.1.2 机器组装步骤（分体机）</u></b></p> <p><u>注：整体包运机型直接移动到指定位置固定</u></p> <p>1. 确定机架组装 2 的安装位置；</p> <div data-bbox="810 1180 1038 1335"></div> <div data-bbox="1123 1180 1351 1335"></div> <p>4. 安装机架组件 3 的用螺钉固定；</p>



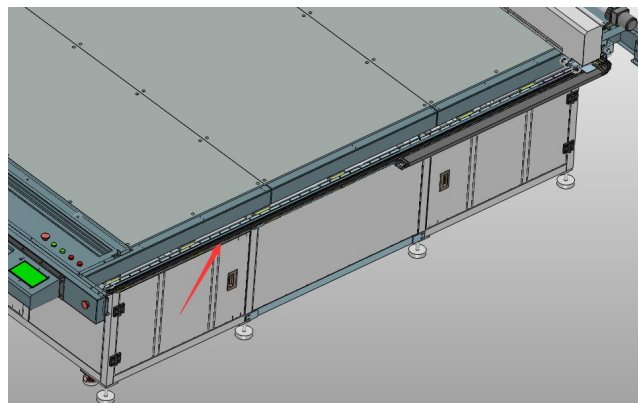
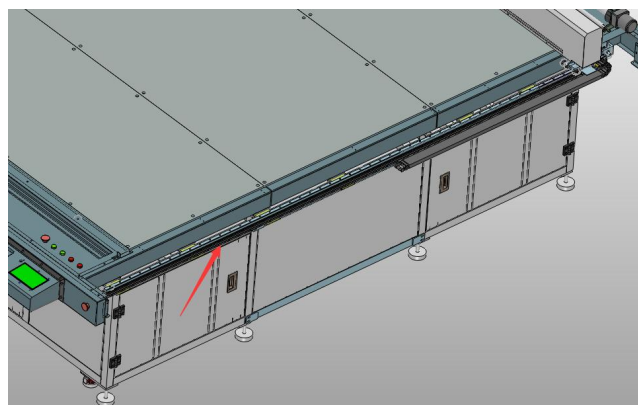
5. Install the left and right decorative panel components 4 and fix them with screws;



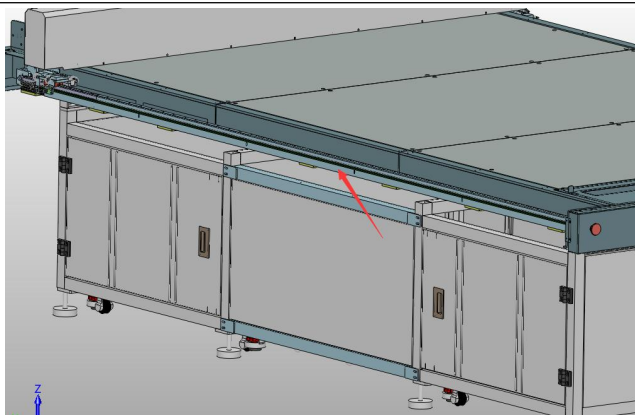
5. 安装左右装饰板组件 4，用螺钉固定；



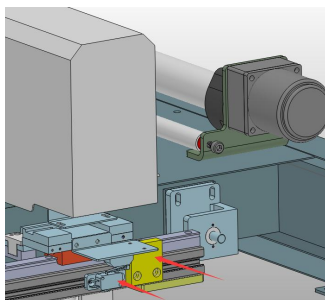
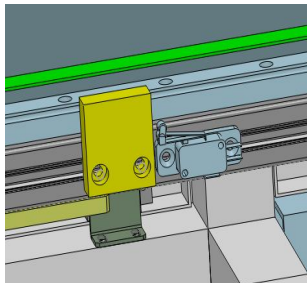
6. Install the guide rails on both sides of the machine



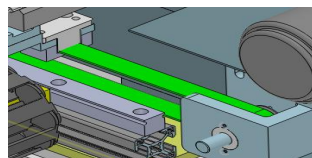
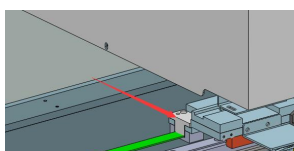
6. 安装机器两侧导轨



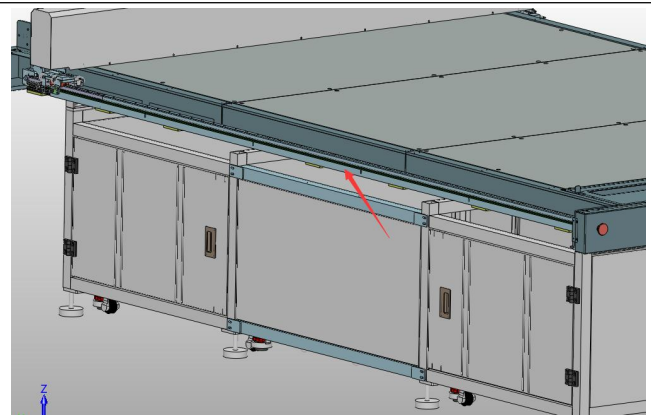
7.Install grating strip



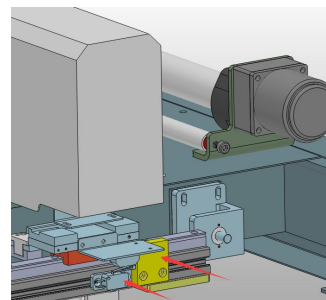
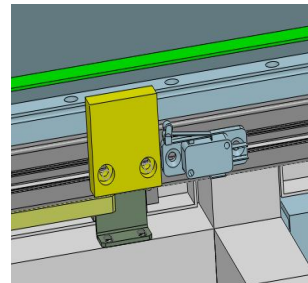
8.Install front and rear electronic limit switches and mechanical limits



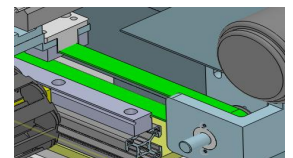
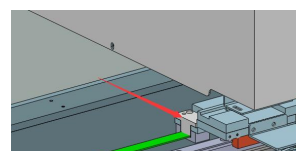
9.Install conveyor belts with openings on both sides;



7.安装光栅条



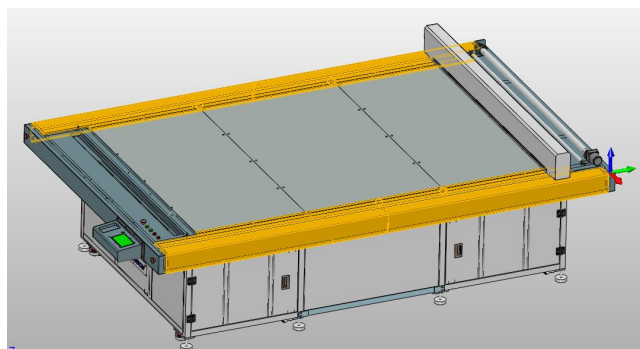
8. 安装前后电子限位开关，和机械限位；



9.安装两侧开口传送带；



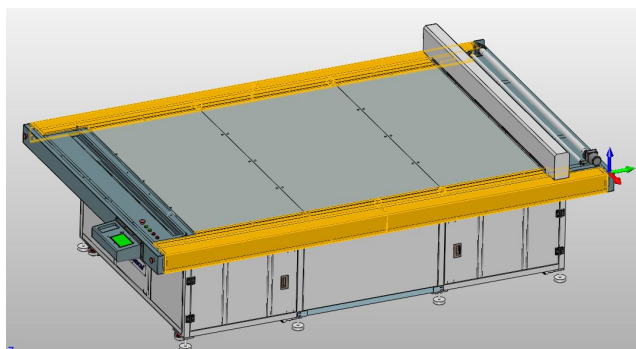
10. Install the left and right side pallets to fix the drag chain;
11. Plug all lines according to the plug labels;
12. Connect the power cord to the factory line and start the machine for trial operation;
13. The specific positions of the electronic limit and mechanical limit are determined based on the rectangular operating position of the machine;



14. Install exterior covering parts;
15. Lay the scanning base cloth provided with the machine;

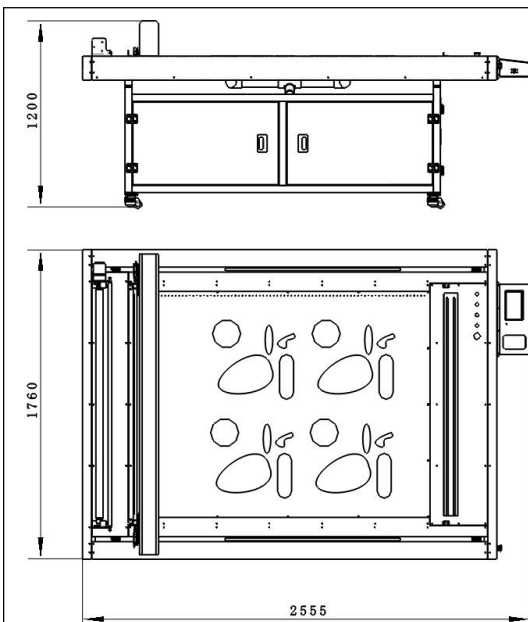
### 3.2 Layout Plan 1500x1200mm model

10. 安装左右两侧托板，固定拖链；
11. 将所有线路根据插头标签对插；
12. 将电源线接到工厂线路上，开机试运行；
13. 根据机器长方形运行位置确定，电子限位和机械限位的具体位置；



14. 安装外观覆盖件；
15. 铺设随机配送扫描底布；

### 3.2 平面布置 (以 1500\*1200 机型为例 )

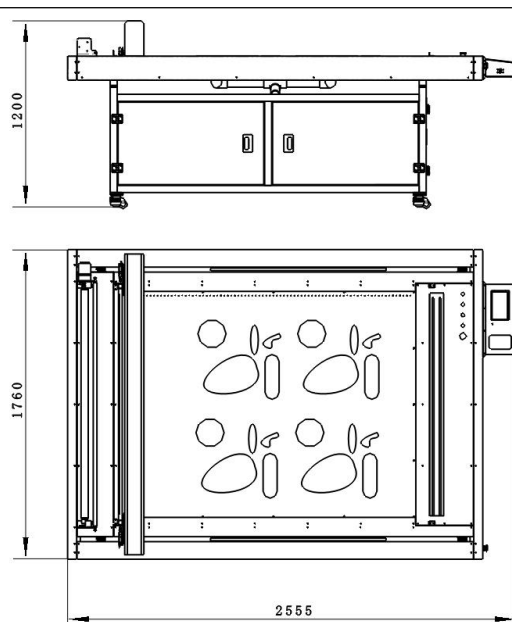


### 3.4 Transportation of machines

The equipment is packed in wooden pallets or wooden boxes, and a forklift can be inserted into the bottom for transportation.

### 3.5 Machine Position Adjustment

1. Place the machine location as required in the drawing;

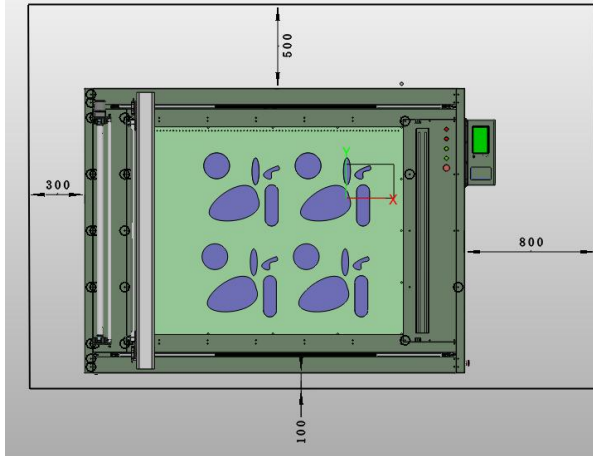


### 3.4 机器的搬运

设备为木托或者木箱包装，搬运时可以使用叉车插入底部进行搬运。

### 3.5 机器就位调整

1. 按图要求摆放整机位置；



1. Place the equipment as shown in the picture, press the power cord, USB data cable, exhaust fan, etc., place the cutting pieces for debugging, and place the cutting pieces flat.

2. Connect to the computer to scan, identify and read the image.

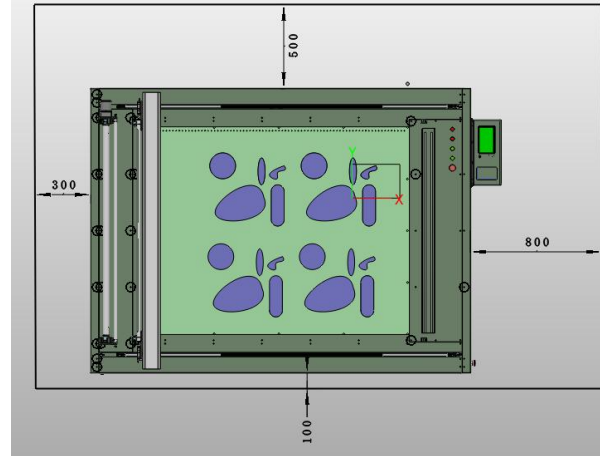
3. This machine uses a USB2.0 interface.

### 3.6 Electrical Properties

■ The default voltage input of the standard model is single-phase AC220V $\pm$ 10% 50/60Hz. A transformer is optional according to the customer's actual voltage situation.

Main feature

- ◆ Easy to install and use
- ◆ Special USB data cable interface, easy to use
- ◆ Use the built-in fill-light scanning module, no need to worry about it for all-day use;
- ◆ Compatible with most brands of apparel CAD DXF files
- ◆ Simplify the structure, reduce mechanical stress and ensure easy maintenance
- ◆ The servo motor makes the scanning progress faster and the work more stable.



1. 如图摆上好设备位置，按电源线、USB 数据线和排气风机等，然后放入裁片调试，裁片平铺放置。

2. 连接电脑，进行扫描识别读图。

3. 本设备使用的是 USB2.0 接口。

### 3.6 电气性能

■ 标准机型默认电压输入为单相 AC220V $\pm$ 10% 50/60Hz，根据客户的实际电压情况，可选配变压器。

主要特性：

- ◆ 安装使用方便
- ◆ 特殊 USB 数据线接口，使用方便
- ◆ 使用自带补光扫描模块，无需额外不管满足全日天使用；
- ◆ 与大多数品牌的服装 CAD 的 DXF 文件兼容
- ◆ 简化结构，减少机械应力，确保维修方便
- ◆ 电机使得扫描进度高，工作更平稳

### 3.7Ground (PE)

The equipment uses a three-pin plug, and the power input end must be reliably grounded; according to different countries and regions, it is divided into different specifications such as Chinese standard/European standard/British standard/American standard, as shown in the figure below:

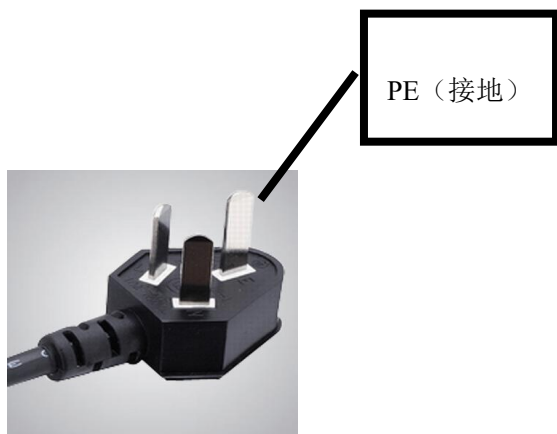


图 1: Chinese standard-16A three pin plug

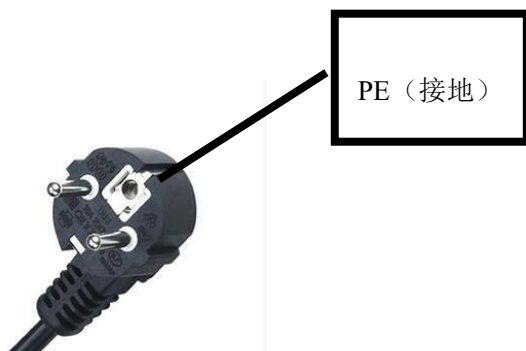


图2: European standard three pin plug

### 3.7 接地

设备使用三脚插头，电源输入端必须可靠接地；根据不同国家和地区，分为国标/欧标/英标/美标等不同规格，如下图所示：

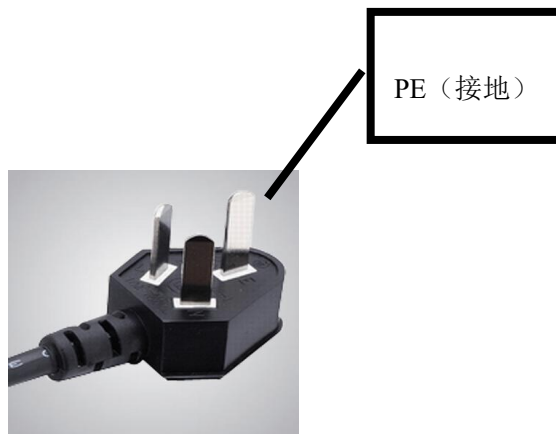


图 1: 国标-16A 三脚插头示意

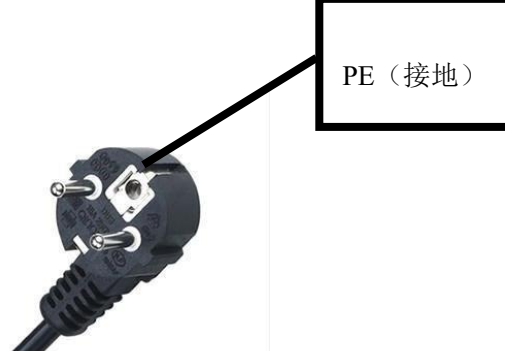
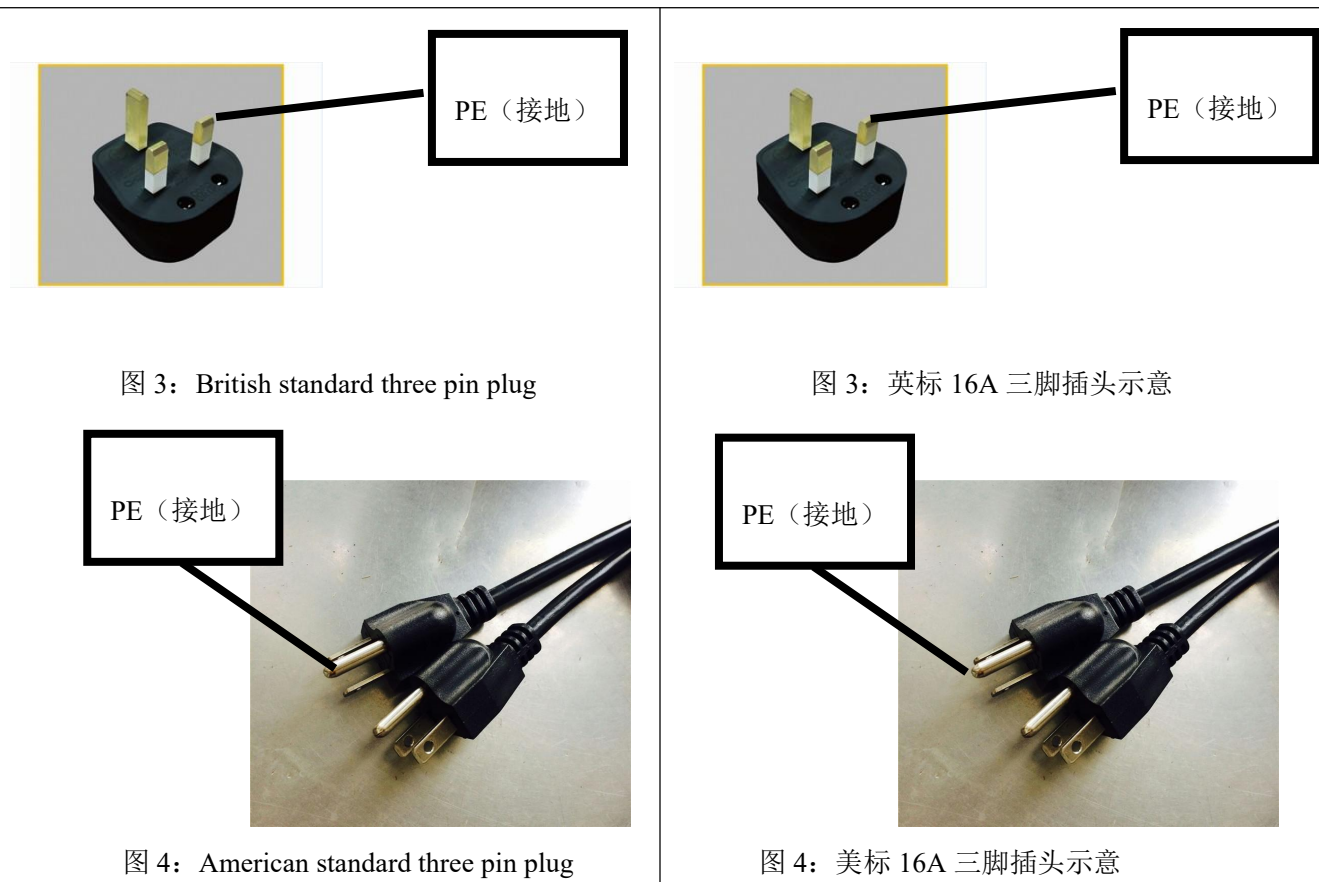


图 2: 欧标 16A 三脚插头示意



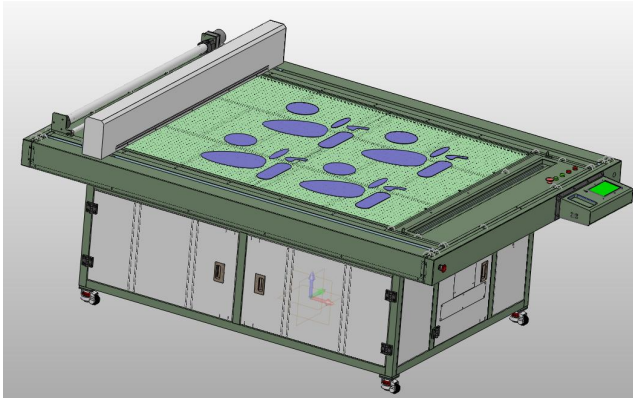
### 3.8Machine Physical Parameters

Functional Performance Indicators	
Working Characteristics:	USB fast transfer
Control System	Servo system
Working Mode	Multi-height scanning mode (height adjustable)
Working Type	Linear stitching scan
Scanning Resolution	100-300DPI (adjustable)
Applicable materials	Fabric, wood board, cardboard, leather, composite leather, etc.
Working Thickness	≤3mm (according to different materials)
Scanning Pieces	Vacuum sectional adsorption

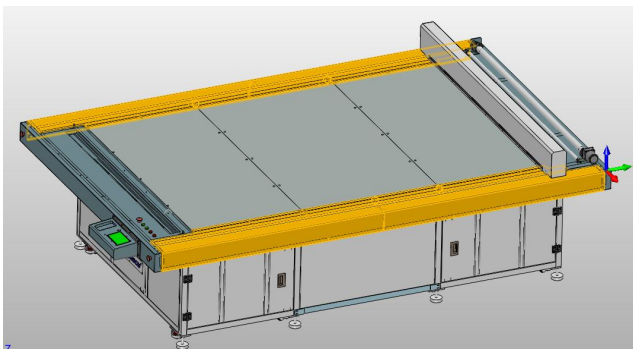
### 3.8 机器物理参数

功能性能指标	
工作特性:	USB 快速传输
控制系统:	伺服系统
工作方式:	固定高度扫描方式
工作类型:	线性拼接扫描
分辨率:	150-300DPI (可调节)
适用材料:	布料、木板、纸板、皮革、复合皮革等
工作厚度:	≤3mm (根据不同材料)

Fixation		固定方式:	真空吸附, 亚克力板压覆
Identification Accuracy	$\leq 0.1\text{mm}$	扫描精度:	$\leq 0.1\text{mm}$
Data Interface	USB 2.0	传输端口:	USB 接口
Power Supply	Single phase AC220V $\pm 10\%$	工作电压:	交流 220V $\pm 10\%$ 50/60 $\pm 1\text{Hz}$
Power	2KW/3KW (according to the machine model)	整机功率:	2KW/3KW (机型确定)
Working Temperature	0 $\sim$ 50 $^{\circ}\text{C}$	环境温度:	0 $\sim$ 50 $^{\circ}\text{C}$
Working Humidity	$\leq 85\%$ (at 25 $^{\circ}\text{C}$ , no condensation)	相对湿度:	相对湿度不大于 85%无结露 (25 $^{\circ}\text{C}$ 时)
Note: The working environment should be free of strong magnetic fields and electric fields.		注: 工作环境应无强磁场、电场干扰。	
<b>3.9 Machine operation precautions</b> 1) Parameters cannot be set during scanning. 2) Data cannot be sent before power-on initialization is successful. 3) The machine cannot vibrate after it is powered on. 4) Do not use paper that is damp, curled, wrinkled, or has lifted edges, or that has holes or is torn. 5) It is prohibited to place hands or other objects next to the machine head when the equipment is running to avoid personal injury. 6) It is prohibited for heavy objects or people to climb on the machine table.		<b>3.9 机器操作注意事项</b> 1) 扫描过程中不能设置参数 2) 开机初始化成功之前不能发送数据。 3) 机器通电后不能震动。 4) 不要使用潮湿、卷曲、褶皱或边缘翘起的纸张, 也不要使用有洞或破损残缺的纸张。 5) 设备在运行时严禁将手或其它物品放在机头旁, 避免造成人员伤害。 6) 禁止重物或人员攀爬整机台面。	
<b>4The Main Structure</b> 1. As shown in the figure below, the 1500x1200mm, 1000x1200mm, and 1500x1600mm models have an integral structure and can be separated into two parts when entering the site;		<b>4 主要结构</b> 1. 下图所示, 1512、1012、1516 机型为整体结构, 进场时上下可分体进场;	

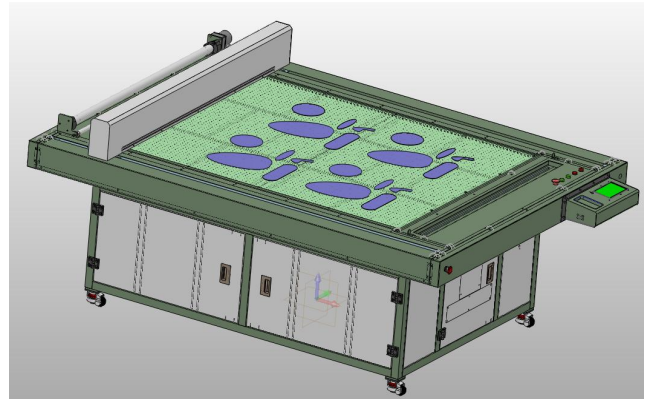


1. As shown in the picture below, the 2500x1600mm, 2000x1600mm, and 2000x1200mm models have a split structure. They are packaged separately in a wooden box from the factory and can be split up and down and front and back to facilitate customer transportation;

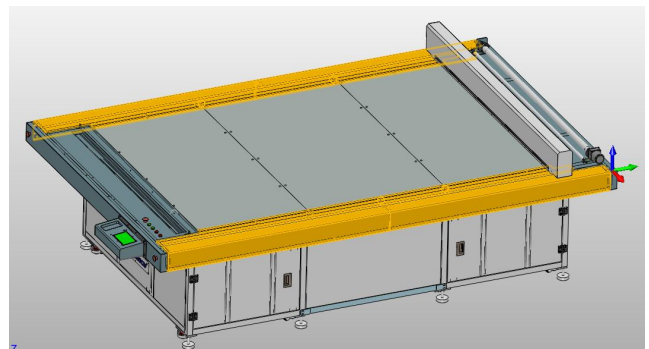


## 5 Equipment Performance

- 1) The overall structure adopts gantry structure.
- 2) Automatic film delivery simplifies the



1. 下图所示，2516、2016、2012 机型为分体结构，出厂分体打包到一个木箱内，可上下前后拆分方便客户进场；



## 5 功能与性能

<p>complex manual work process and improves work efficiency.</p> <p>3 ) This machine uses a 1.1KW vacuum adsorption fan, and the cut pieces are instantly fixed after adsorption. The 2500x1600mm model adopts dual-fan method.</p> <p>4) Using high-definition scanning module, raster provides accurate data.</p> <p>5 ) This machine uses servo system control, which is stable and efficient.</p> <p>6) At the same time, it is equipped with 6 safety error-proofing mechanisms to ensure the safe and effective operation of the whole machine.</p> <p>7 ) It adopts GentonAgian third-generation electronic control installation, and the control program and interface program are independently developed by GentonAgian to facilitate later upgrades and improvements.</p> <p>8)GentonAgain Digital Identification Software is shipped with the machine, providing output in DGS and DXF formats with high compatibility.</p>	<p>1) 整体结构采用龙门式结构。</p> <p>2) 自动收送膜，简化了人工操作复杂的工作过程，提高了工作效率。</p> <p>3) 本机采用的是 1.1KW 的真空吸附风机，吸附后裁片瞬间被固定。2516 机型采用双风机方式。</p> <p>4) 采用高清扫描模块，光栅提供精准数据。</p> <p>5) 本机使用的是伺服系统控制，工作稳定，效率高。</p> <p>6) 同时配备了 6 道安全防错机制，保证整机安全有效运行。</p> <p>7) 采用再登三代电控架设，控制程序和界面程序由本公司自主研发，方便后期升级改进。</p> <p>8) 随机配送再登数码识别软件，提供了，DGS、DXF 格式的输出。兼容性高。</p>
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