



»XINGYI

»XINGYI

»XINGYI Fujian Xingyi Intelligent Equipment Co., Ltd

Factory Add: No. 34, Juxian Road, Anping, Anhui Town, Jinjiang City, Quanzhou,
Fujian Province, China Zip Code: 362261

Tel: +86-595-36792992 Fax: +86-595-36792977

Technical Service: +86-13559577090

Sales Hotline: +86-15960788816

Web Site: www.xingyimachine.com

Manual of GX-720-A Floor Grinder

Contents

1.Introduction

1.1 Summary	01
1.2 Liability	01
1.3 Spare parts	01
1.4 Receiving goods	01
1.5 Equipment nameplate	02
1.6 Processing and storage	02
1.7 Warranty	02

2.Safety guidance

2.1 Overview	03
2.2 Electricity Safety Guidance	03

3.Equipment

3.1 Overview	10
3.2 Component Description	11
3.3 Swing bar component	11
3.3.1 Overview	12
3.3.2 LED light switch device	13
3.3.3 Forward/reverse device	14
3.3.4 Handle	15
3.3.5 Swing bar angle adjustment	16
3.4 Water tank	17
3.5 Vacuum hose installation	18
3.6 Weighted Iron	19
3.7 Foot pedal	20
3.8 Frequency Converter	21
3.9 Reserve Battery Charging	21
3.10 Clutch device	22

4.Equipment Operation

4.1 Overview	22
4.2 Equipment Location Description	22
4.2.1 Equipment working position	22
4.2.2 Equipment lifting position	22
4.2.3 Transportation	23
4.2.4 Equipment packaging	27
4.2.5 Notes	27

4.3 Starting and stopping the grinder (drive mode)	28
4.3.1 Start the grinder	28
4.4 Starting and stopping the grinder (manual mode)	30
4.4.1 Start the grinder	30
4.5 Replace the grinding disc	32
4.6 How to wind the working wires of the equipment	34
4.7 Optimal grinding route	35

5.Equipment maintenance

5.1 Overview	36
5.2 Daily Inspection	36
5.2.1 Check the switch	36
5.2.2 Check the grinding disc cover	36
5.2.3 Check the grinding disc	37
5.2.4 Note	37
5.3 Cleanup	37
5.3.1. Cleanup switch	37
5.3.2 Clean the grinding disc conversion block	38
5.3.3 Note	38
5.4 Overload protection	39
5.5 Maintenance	39

6.Common problems and solutions

7.Technical data

8.Warranty

1.Introduction

1.1 Summary

Xingyi's equipment is used to treat floor surfaces. The range of use of the equipment depends on the choice of tool. In addition to the use and general functions, this manual provides information on the use, repair and maintenance of the grinder. For further information, please contact your local retailer.

1.2 Liability

We have made every effort to make this manual as complete and accurate as possible, and we do not assume any responsibility for any errors or missing information. Xingyi reserves the right to change the instructions in this manual without prior notice.

This manual is protected by copyright law. No part of it may be copied or used without the written consent of Xingyi.

1.3 Spare parts

The product mainly includes the following spare parts, if anything is missing please contact the retailer.

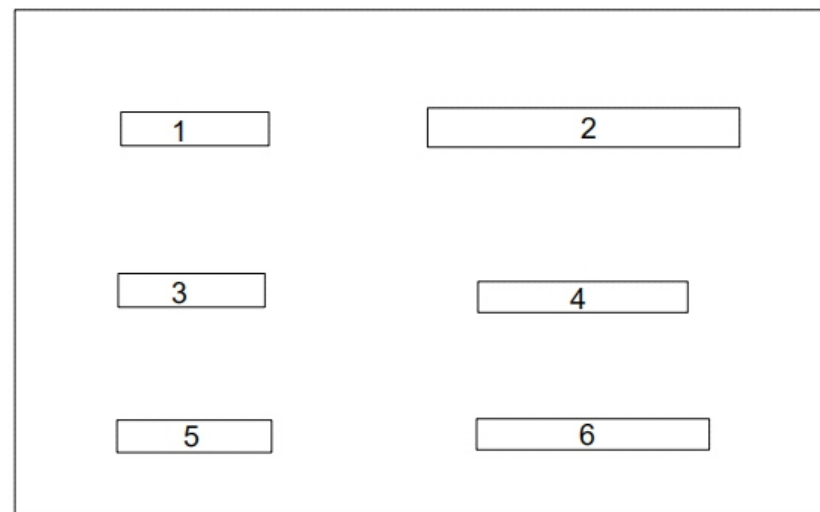
- (1) Grinding machine*1
- (2) Instruction manual*1
- (3) Conversion blocks*12
- (4) Power plug*1
- (5) Dustproof belt*1
- (6) Inverter box keys*2
- (7) Quick connector

1.4 Receiving goods

Carefully inspect the packaging and the device for shipping damage. If the device shows any signs of damage, contact the retailer and report the damage. If the packaging is damaged, report the packaging damage to the shipping company.

Check that the delivery is what you ordered. If you have any questions, contact the retailer.

1.5 Equipment nameplate



1.Model

2.Production date

3.Power

4.Voltage

5.Weight

6.RPM

1.6 Processing and storage

The grinder should be stored in a dry place at room temperature when not in use. Otherwise it may be damaged by condensation and cold. The dimensions and weight of the grinder are given in the technical data of (42) .

Attention! If not operated carefully, the grinder may tip over, causing personal injury and equipment damage.

1.7 Warranty

This warranty covers manufacturing defects only. Xingyi is not responsible for damages that occur during transportation, unpacking or use. In no case will the manufacturer be responsible for damages and defects caused by improper use, corrosion or use beyond the specified specifications. The manufacturer is not responsible for consequential damages or expenses in any case. For complete information on the manufacturer's warranty period, please refer to Xingyi's current warranty terms. Local dealers may have special warranty terms. If there is any uncertainty about the warranty terms, please contact your retailer.

2.Safety guidance

2.1 Overview

This manual lists important information for using this machine and operating it safely! You must read this manual carefully before operating this machine for the first time!

Any irregular operation or unauthorized modification or repair of the machine may cause the machine to malfunction or other losses, and may be dangerous . All work must be completed by qualified professionals , and any parts of the machine to be replaced must be provided by Xingyi.

Xingyi machines can only be used in the manner recommended by Xingyi. Xingyi machines can only be used for commercial purposes. Anyone who uses the machine should know: its functions, the location of the emergency stop, the safety rules that the operator should ensure, and that unauthorized persons cannot be stationed in the working area when the machine is started.

When working, you should be equipped with professional personal protective equipment: safety goggles, protective gloves, safety shoes, breathing masks, protective earmuffs, etc. Do not wear loose clothes or carry anything that may cause danger, such as scarves, bracelets, rings, etc.

Precautions:

1.When driving on a slope, check that the battery power is greater than 40% and make sure the clutch pin is in the locked state.

2.This machine must be operated at a slope less than 20°. The company does not assume any responsibility for any accidents caused by operation at a slope greater than 20°.

3.This machine is only used for floor surface grinding and polishing;

4.Read and understand the safety instructions in the machine manual. Different models have different accessories and control operations;

5.Only one person is needed to operate this machine. When the machine is working, please be careful not to let children or unrelated people approach the machine , keep a certain working distance and remember "one machine,

one person";

6.People who are not trained or in poor physical condition are prohibited from operating the machine . Operators and maintenance workers must be physically strong and able to withstand the weight of the whole machine and the intensity of work driven by the motor;

7.Do not rent a machine without the machine operating instructions ;

8.Clothing required for operating the machine , such as dust mask, protective gloves, work clothes, safety helmet, insulating shoes , etc.

9.Keep your body , jewelry and loose clothing away from the moving parts of the machine , otherwise it may cause physical injury;

10.Do not modify the machine at will. Only use the accessories provided by Xingyi Company for repair and modification;

11.Do not use the machine in rain or dense fog;

12.When the machine is in operation, there should be no explosive or flammable materials or steam nearby. Do not operate the machine near dust, solvents, thinners or other flammable items.

2.2 Electricity Safety Guidance

1.All circuit repairs can only be performed by professionals;

2.Note: After the machine stops, the circuit is still powered. Cut off all power before repairing the machine ;

3.The machine is equipped with an overload protection device which will automatically trip and prohibit the machine from running when the machine is overloaded; (re-adjust the overload in a safe situation)

4.If the machine is continuously used under overload conditions, the manufacturer will not provide warranty for other losses or malfunction of the machine;

5.The purpose of adding a frequency converter to the machine is to adjust the speed and protect the safety of the user and the machine. It is prohibited to modify or adjust the frequency converter or modify the frequency converter parameters without the manufacturer's consent. If the device fails, only the accessories provided by the manufacturer can be used to replace the broken accessories; (the manufacturer will not provide

warranty for other losses and machine malfunction caused by modifying or adjusting the frequency converter or modifying the frequency converter parameters without the manufacturer's consent)

- 6.Do not modify the parts or circuits inside the inverter by yourself;
- 7.Do not operate the machine when the distribution box is not turned off;
- 8.If the machine current is overloaded, special attention must be paid ;
- 9.Do not connect or remove wires when the wires are live or under load ;
- 10.Using a damaged power cord may cause electric shock. Do not use a damaged power cord ;
- 11.Wires should be kept away from high temperature surfaces ;
- 12.All electrical equipment of the machine should be kept dry and the machine should be stored in a dry place;
- 13.After cutting off the power supply, before the panel indicator light goes out, it means that there is still high voltage inside the inverter, which is very dangerous. Do not touch the uninsulated electrical machine parts;
- 14.The machine motor and frequency converter are prohibited from entering water ; (the manufacturer will not provide warranty for other losses and machine malfunction caused by water ingress)
- 15.The machine must use the wire specifications and voltage specifications specified by the manufacturer . (The power specifications are indicated on the machine brand)

3.Equipment

3.1 Overview

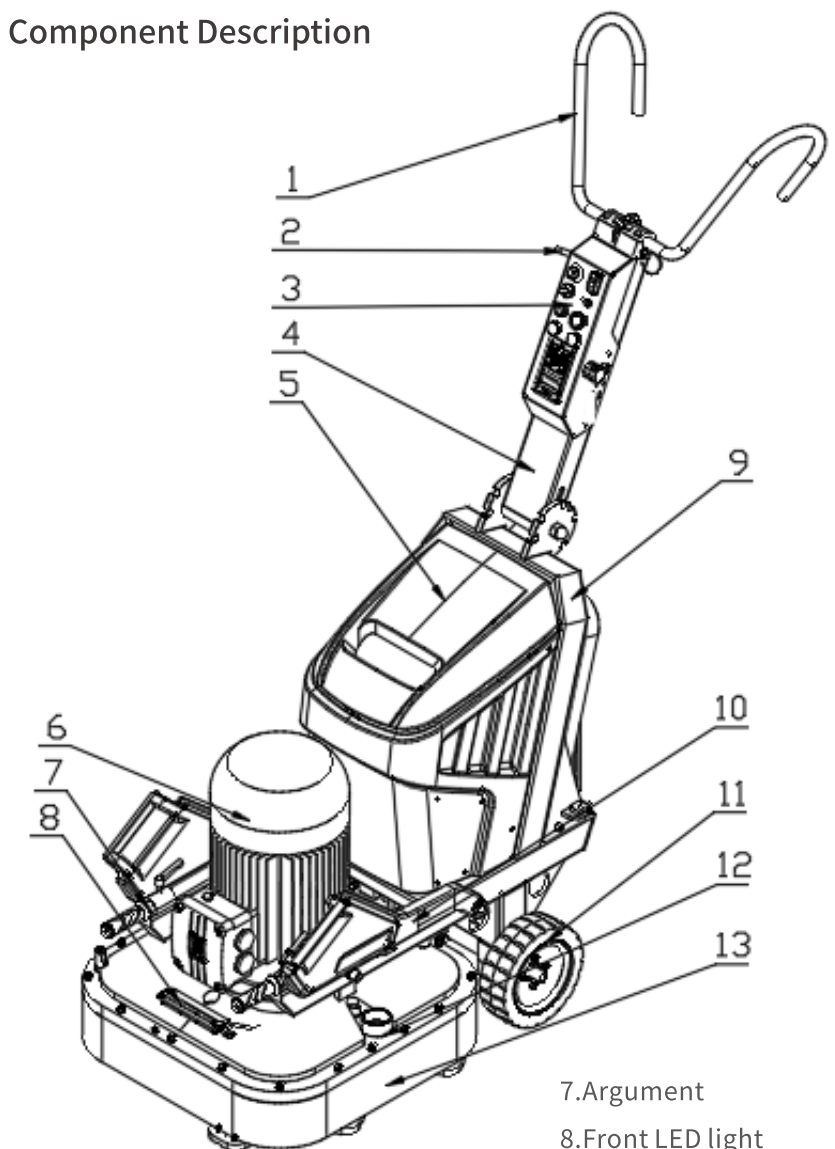
GX720-A is used to treat all types of floors. For grinding (rough grinding, grinding, polishing) concrete, natural stone and terrazzo floors, the corresponding abrasives or abrasives recommended by Xingyi should be used.

The swing bar and the handle can be set in many different tilting positions. When the equipment is manually operated, a most suitable position can be selected. The grinding head of the machine can be used with different grinding discs for grinding operations. The dust belt covers the grinding head area of the working environment. Because it is floating, it is always in contact with the floor, which not only ensures that the operator does not touch the rotating mechanical parts, but also reduces the exposure to dust and improves the efficiency of the dust collector to absorb dust.

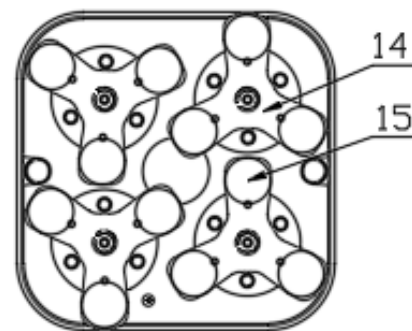
When dry grinding, be sure to connect a vacuum cleaner to the grinder (it is best to equip it with a vacuum cleaner that matches Xingyi for better results). This prevents dust from being exposed to the air and posing a threat to the health of the operator, operator, and nearby people. Inhaling dust is harmful, so during operation, even if you have a vacuum cleaner, you should wear a protective mask to protect your own health.

This machine can use different Xingyi grinding wheels, and the grinding wheels used in grinding will be different depending on the different ground materials.

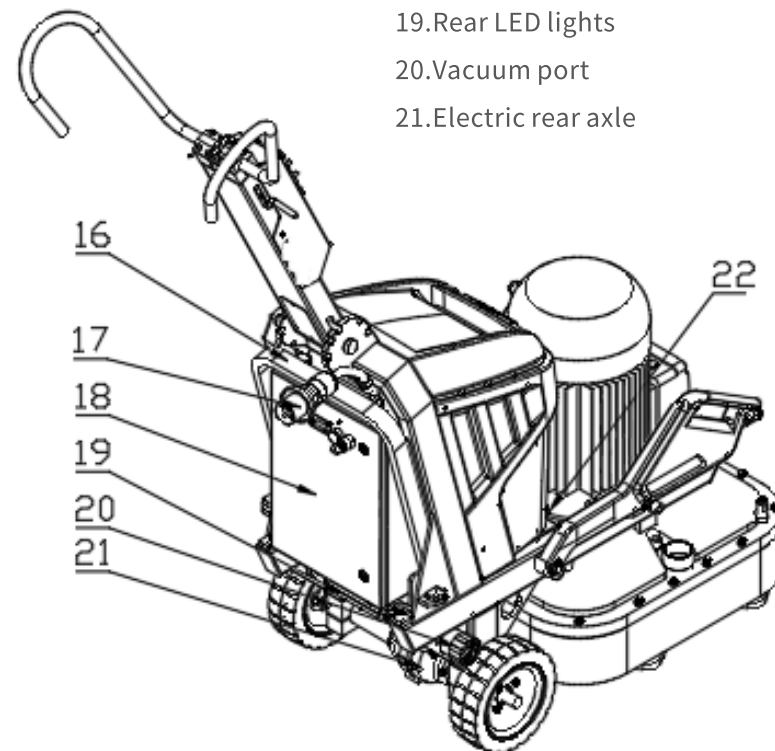
3.2 Component Description



- 1. Pipe bending handle
- 2. Swing bar angle adjustment handle
- 3. Control panel
- 4. Swing bar
- 5. Water tank
- 6. Motor
- 7. Argument
- 8. Front LED light
- 9. Rack
- 10. Weighted iron
- 11. Wheel
- 12. Dust hose interface
- 13. Gearbox



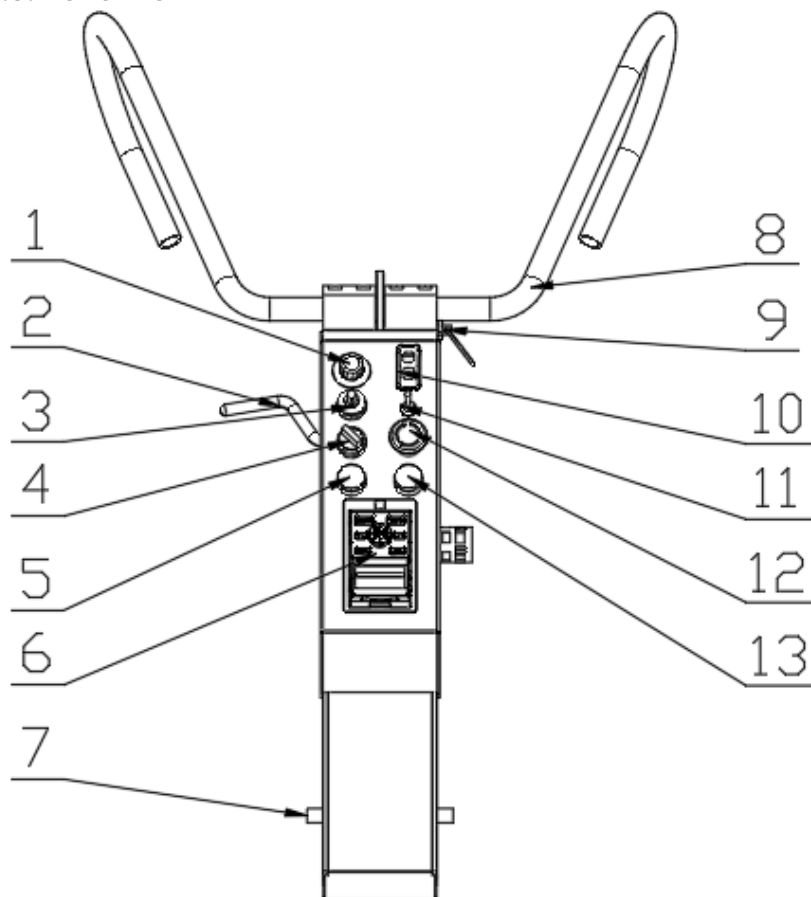
- 14. Grinding disc
- 15. Conversion Block



- 16. Pedals
- 17. Power plug
- 18. Electric control box
- 19. Rear LED lights
- 20. Vacuum port
- 21. Electric rear axle
- 22. Water switch
- 23. Dustproof belt
- 24. Plug
- 25. Manual

3.3 Swing bar component

3.3.1 Overview



1.Walking potentiometer: controls the walking speed;

2.Swing bar angle adjustment handle: Use the handle to adjust the angle of the swing bar, and it will have a corresponding position under the corresponding working state;

3.Speed regulator: adjust the rotation speed of the motor;

4.Forward and reverse switch: This switch has three gears. Turn it to open the emergency stop switch and change the direction of the switch. The motor rotates forward when it is on the left; the motor does not rotate when it is in the middle gear; the motor rotates reversely when it is turned

to the right.

5.Power indicator light: When the device is plugged into a power source, the power indicator light will light up.

6.Display screen: displays some parameters, such as voltage, current, motor speed, overload fault prompt, etc.;

7.Swing bar lock lever: locks the rotation of the swing lever;

8.Operating handle: the position where the user places his hands during operation;

9.Operating handle angle adjustment pin: Pull out the pin, and the handle can be freely rotated to a suitable position to operate the equipment;

10.Rocker switch: adjust forward and backward movement;

11.Button switch: switch of LED light;

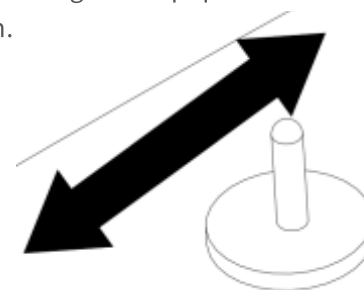
12.Emergency stop switch: When the equipment is in a dangerous state or needs to stop working, press the emergency stop switch to cut off the power supply and stop the equipment to protect the safety of people and equipment;

13.Operation indicator light: When the equipment is working normally, the operation indicator light will light up.

3.3.2 LED light switch device

Turn the LED light switch to ON, the LED light turns on, otherwise it turns off.

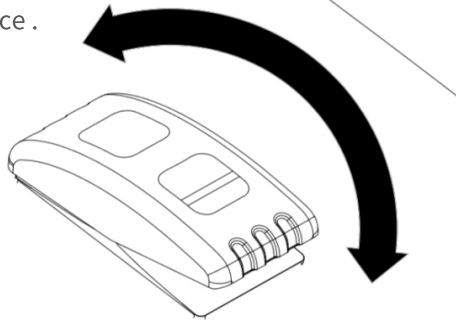
The base of the LED lamp is in a fixed position, and the lighting distance can be adjusted slightly, which is convenient for users to adjust the distance of the ground illumination position according to different needs when operating the equipment. At this time, just rotate the LED lamp up or down.



3.3.3 Forward/reverse device

The forward/backward device is mainly used to control the forward or backward movement of the device . It frees users from the need to manually pull or push the device to make it move forward/backward, greatly simplifies manpower, and makes user operation more comfortable and convenient.

The forward/reverse device has three main gears. The first is the forward gear: press forward to execute the forward movement of the device ; the second is the middle gear. Press the switch to the middle gear and the device will execute the command to stop moving (if it is currently in the forward gear, press backward once to enter the middle gear; if it is currently in the reverse gear, press forward once to enter the middle gear); the third is the reverse gear. Press backward to execute the reverse movement of the device .



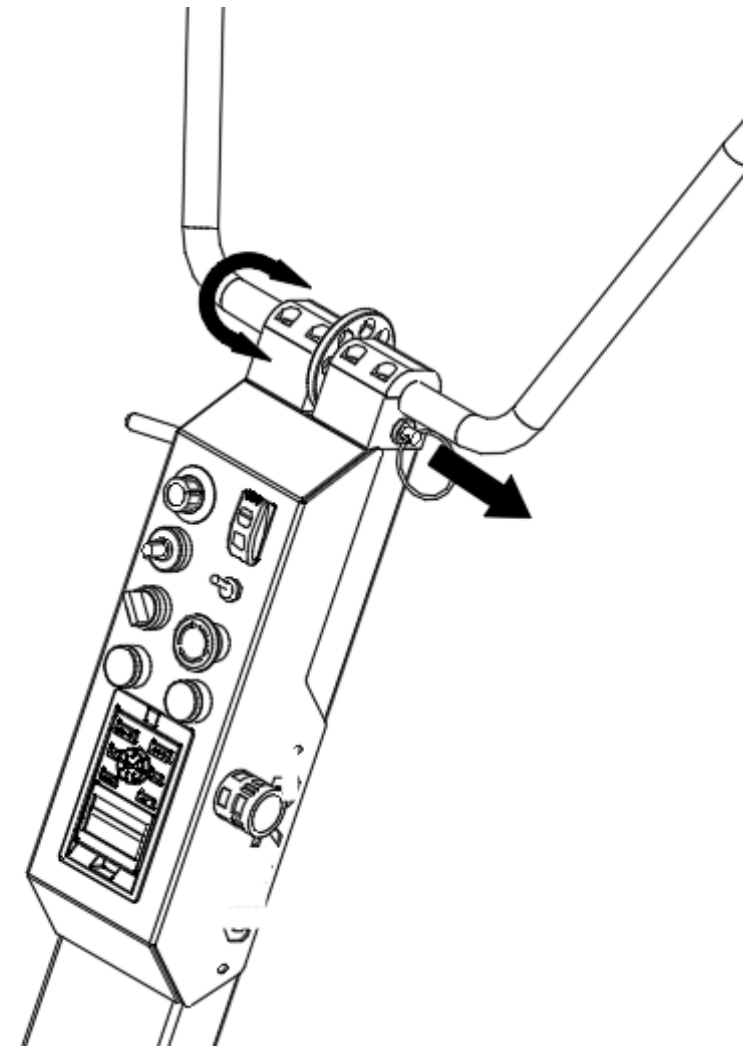
Notice:

When shifting to different gears, be careful not to use too much force, otherwise the gear will be skipped;

During grinding operation, be sure to connect the vacuum cleaner (it is recommended to use the vacuum cleaner shipped by Xingyi). Otherwise, if the vacuum cleaner does not have a good cleaning effect , it is likely to cause the forward/reverse device switch to be clogged with dust, causing the switch to malfunction.

3.3.4 Handle

The adjustment pin on the handle can be adjusted to different positions by positioning the circular holes to meet different needs of users. Hold the armrest with one hand and pull out the adjustment pin with the other hand. When it is rotated to the appropriate position, release the adjustment pin.

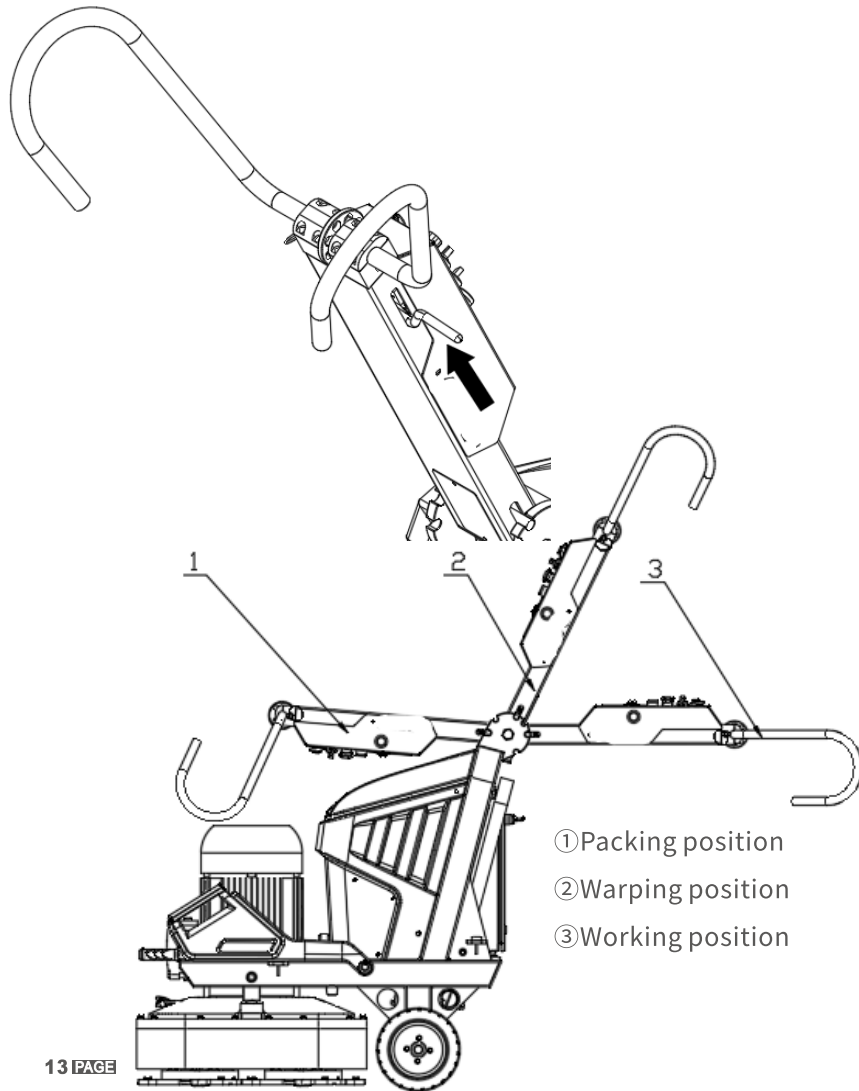


Notice:

- 1.When pulling out the handle adjustment pin, it may get stuck. In this case, you need to shake the handle while pulling out the pin.
- 2.When the handle adjustment pin automatically resets, the holes may not be aligned. Simply rotate it up and down.
- 3.When adjusting the handle position, be sure to check whether the handle adjustment pin is automatically reset before operating the equipment.

3.3.5 Swing bar angle adjustment

The swing lever adjustable device controls the different positions of the swing lever by means of the swing lever adjustment handle to adapt to the change of the equipment placement mode in different states (different equipment states are as follows). Hold the handle with one hand to support the swing lever, and tighten the swing lever adjustment handle with the other hand to keep it still. After rotating the swing lever to the required position according to the hole position on the fan-shaped plate, release the swing lever adjustment handle.

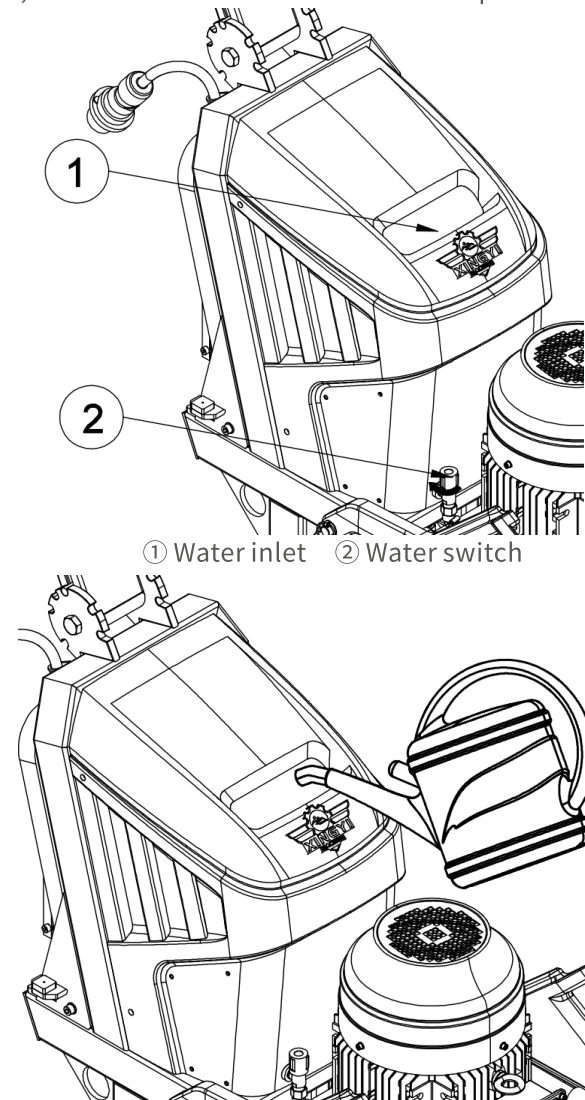


Notice:

After adjusting the position of the swing arm, you need to check whether the swing arm has been limited before operating the equipment.

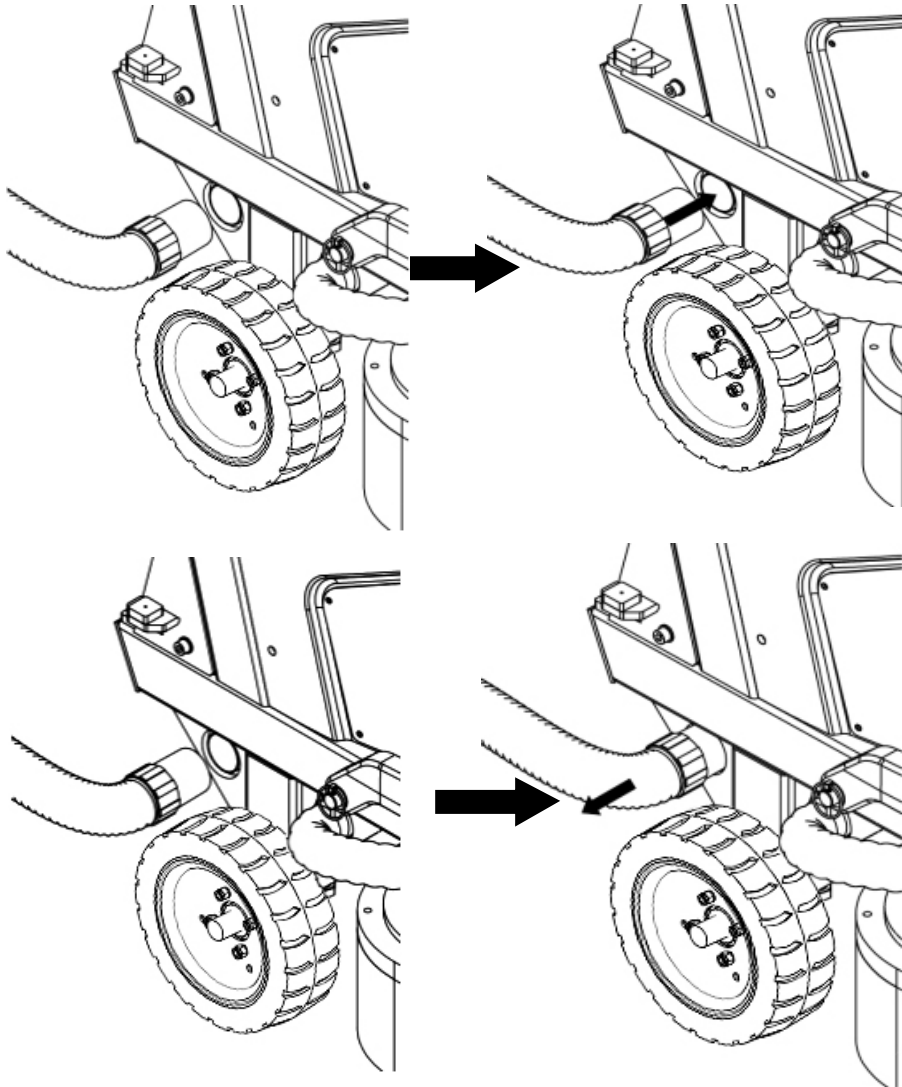
3.4 Water tank

There is a water inlet on the top of the water tank, which can be used to fill the water tank with water. When the equipment is to perform water grinding work, rotate the water switch clockwise to perform water grinding work.



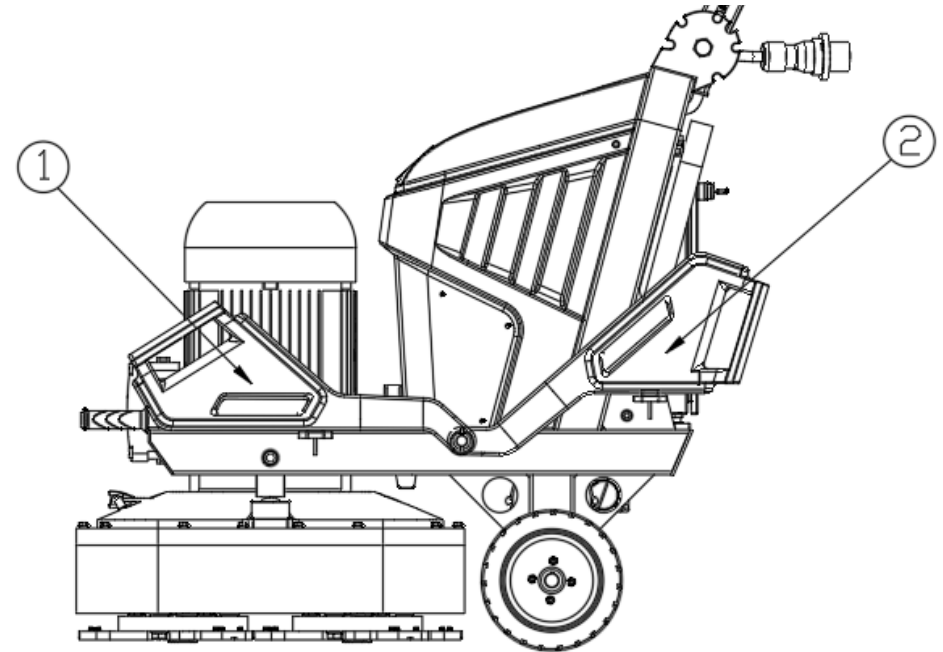
3.5 Vacuum hose installation

Installation and removal of the dust suction pipe (as shown below), when dry grinding is needed, just assemble the three-way interface of the grinder with the interface of the dust suction pipe (insert the interface of the dust suction pipe directly into the three-way interface as shown below). When wet grinding the floor, just pull out the interface of the dust suction pipe directly (the specific action is shown in the figure below).



3.6 Weighted Iron

The weight iron has two different positions, corresponding to the working position and the lifting position on the equipment respectively.



①Working position ②Lifting position

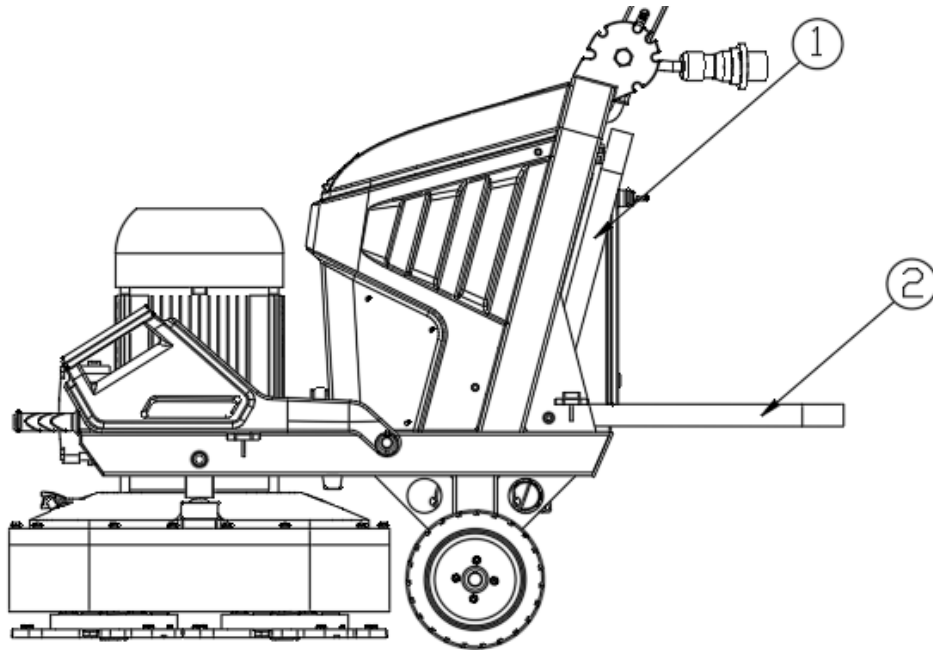
Notice:

When switching the position of the weight iron, you need to hold the weight iron with one hand;

When the weight iron is switched from the working position to the lifting position, the position can be switched by holding the weight iron and swinging it in the desired swinging direction.

3.7 Foot pedal

The foot pedal has two different positions, corresponding to the working position and the lifting position on the equipment.



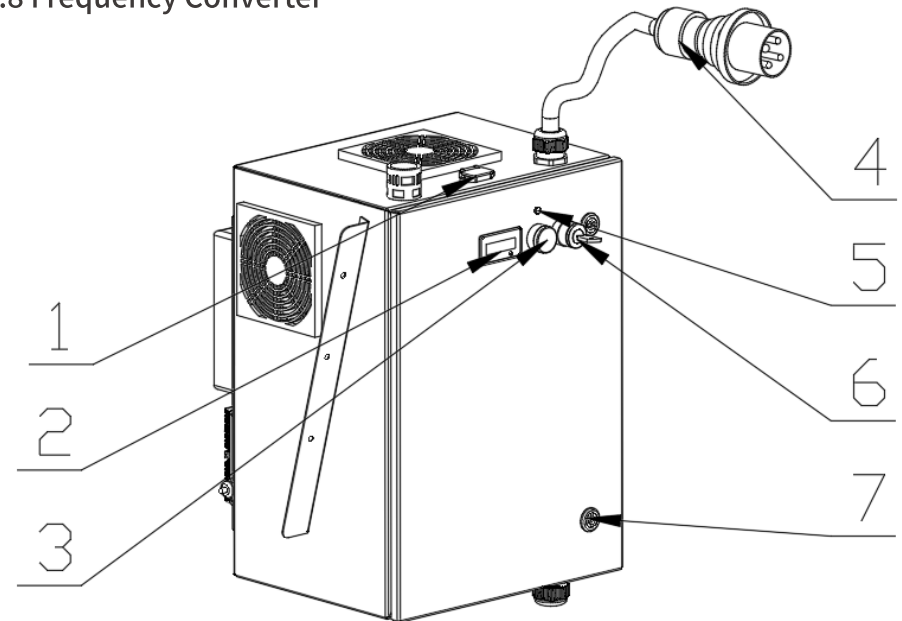
①Working position ②Warping position

Notice:

To switch the pedal position, simply rotate the pedal to the desired position;

When the foot pedal is switched from the working position to the lifting position, the position can be switched by holding the foot pedal and swinging it in the desired swinging direction.

3.8 Frequency Converter



1、Charging port: used to charge the internal battery of the device itself;

2、Battery power display: mainly displays the power of the reserve battery;

3、Operation indicator light: When the equipment is working normally, the operation indicator light is on;

4、Power socket: used to connect to an external power source to power the device.

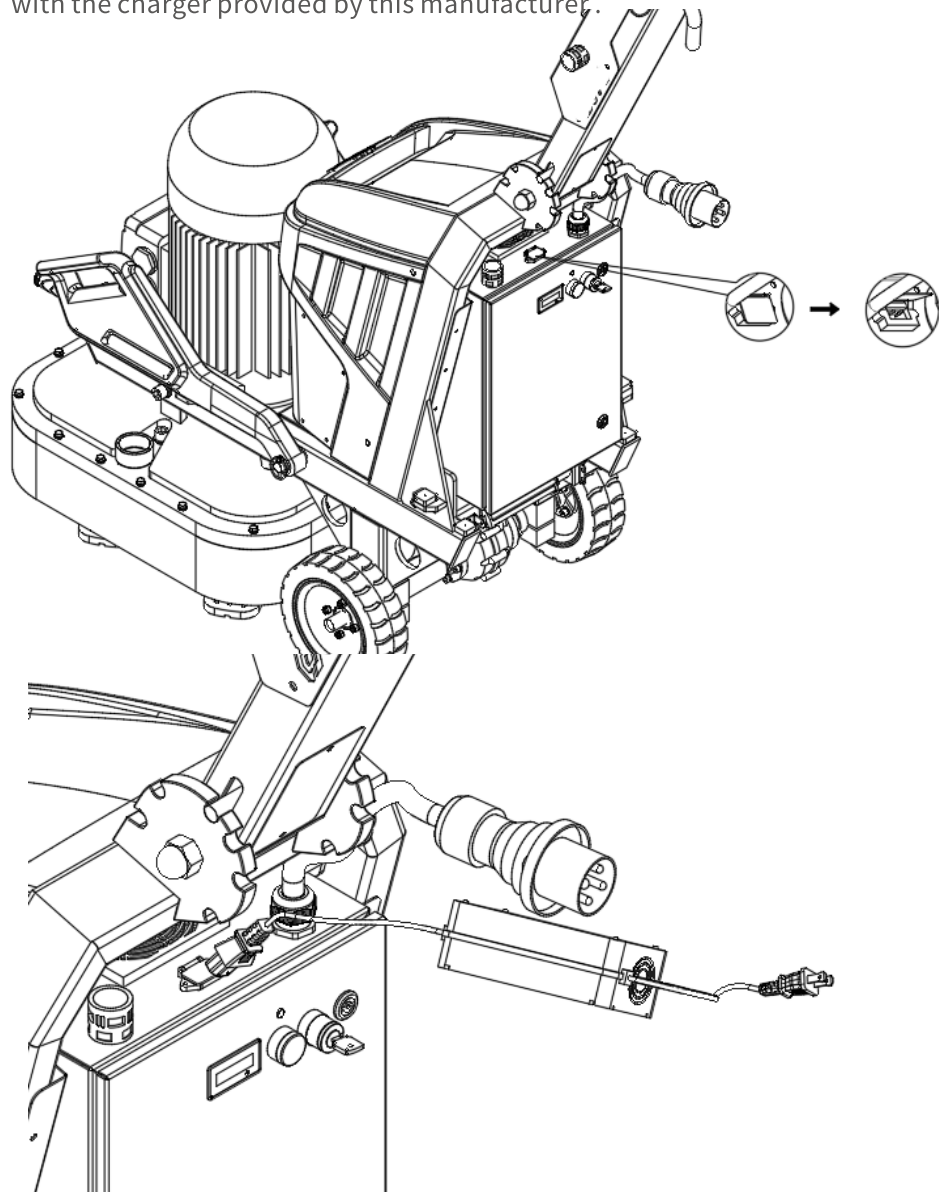
5、Fault light: When the brushless controller fails, the fault light will flash;

6、Driving wheel start switch: Turn the key switch clockwise to start the driving wheel motor, and vice versa to turn off the driving wheel motor;

7、Inverter box key lock : the inverter box can be locked with a key ;

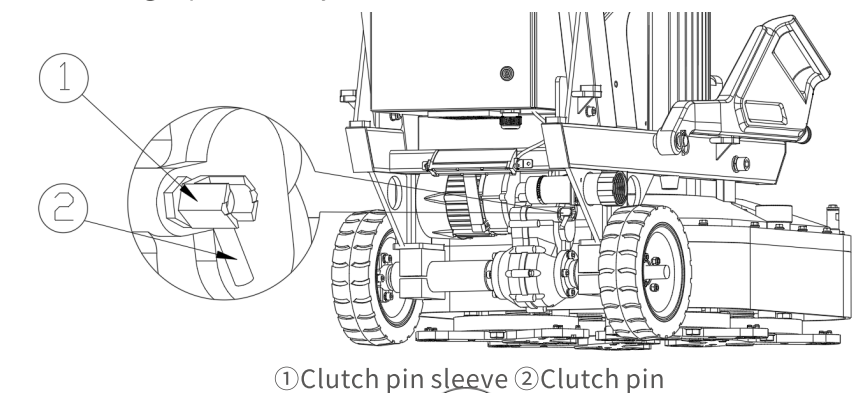
3.9 Reserve Battery Charging

When the reserve battery of the device is out of power, the power indicator on the inverter box is less than 20%, and the reserve battery needs to be charged. The charging port is located next to the vacuum pipe port on the inverter box . Open the cover of the charging port and charge it with the charger provided by this manufacturer .

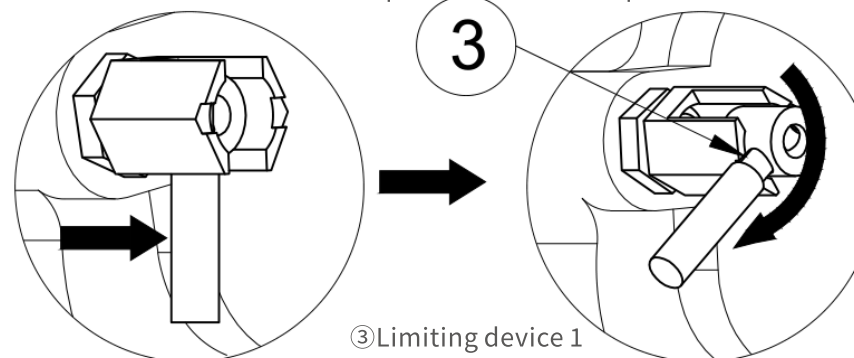


3.10 Clutch device

When the reserve battery of the device is out of power, the power indicator on the inverter box is less than 20%, and the reserve battery needs to be charged. The charging port is located next to the vacuum pipe port on the inverter box . Open the cover of the charging port and charge it with the charger provided by this manufacturer .

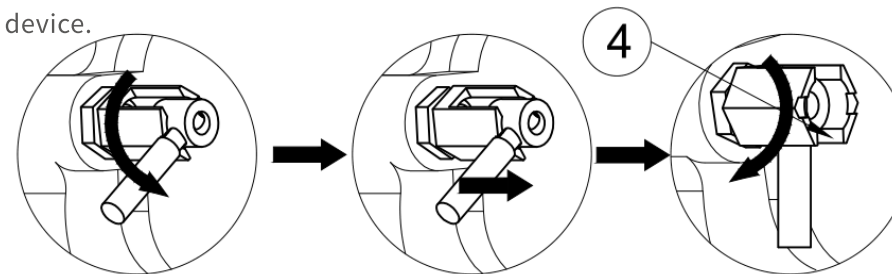


①Clutch pin sleeve ②Clutch pin



③Limiting device 1

Clutch device locking state: When the equipment starts working, loosen the clutch device, then pull out the clutch pin, rotate the clutch pin sleeve, lock the clutch pin on the limit device 2, and tighten the clutch device.



④Limiting device 2

Notice:

1. The clutch pin may get stuck when you pull it out. Just shake the device while pulling out the clutch pin.
2. When performing grinding work, the clutch pin needs to be rotated to the corresponding position, and the clutch pin must be limited before working.
3. When pulling or rotating the clutch device, remember to place the weighted iron in the working position first to prevent the weighted iron from hitting or knocking people, causing unnecessary casualties.
4. When pulling out or screwing in the clutch pin, remember not to screw the clutch device too loosely or too tightly. Whether it is too loose or too tight, it cannot ensure that the clutch pin can be pulled out smoothly and stuck on the limit device smoothly.

4. Equipment Operation

4.1 Overview

The following sections mainly describe the grinder in different positions when switching the mode to manual operation, the main operations of the grinder and how to install the grinding disc.

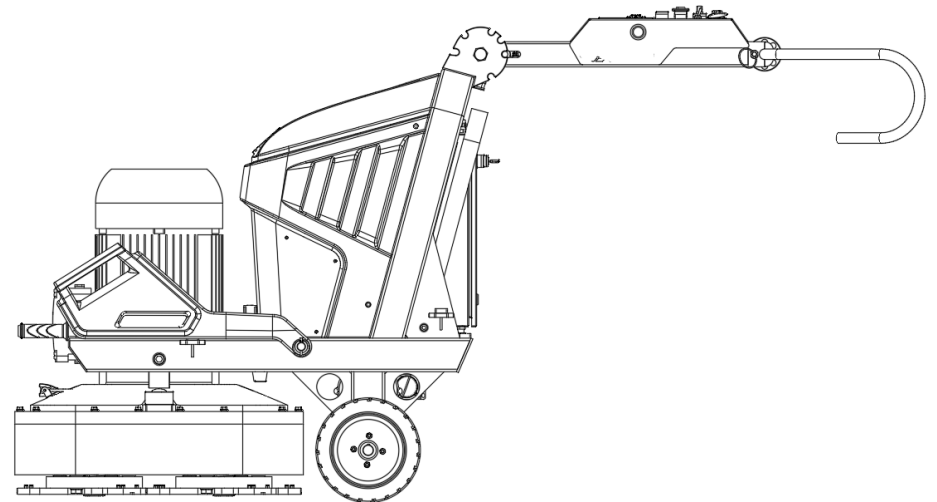
Precautions:

1. The grinder may only be used or repaired by personnel who have received the necessary theoretical and practical training and have carefully read the user manual.
2. Protective equipment must be used when operating the grinder, such as protective gloves, protective masks, work clothes, safety helmets, insulating shoes, etc.

4.2 Equipment Location Description

4.2.1 Equipment working position

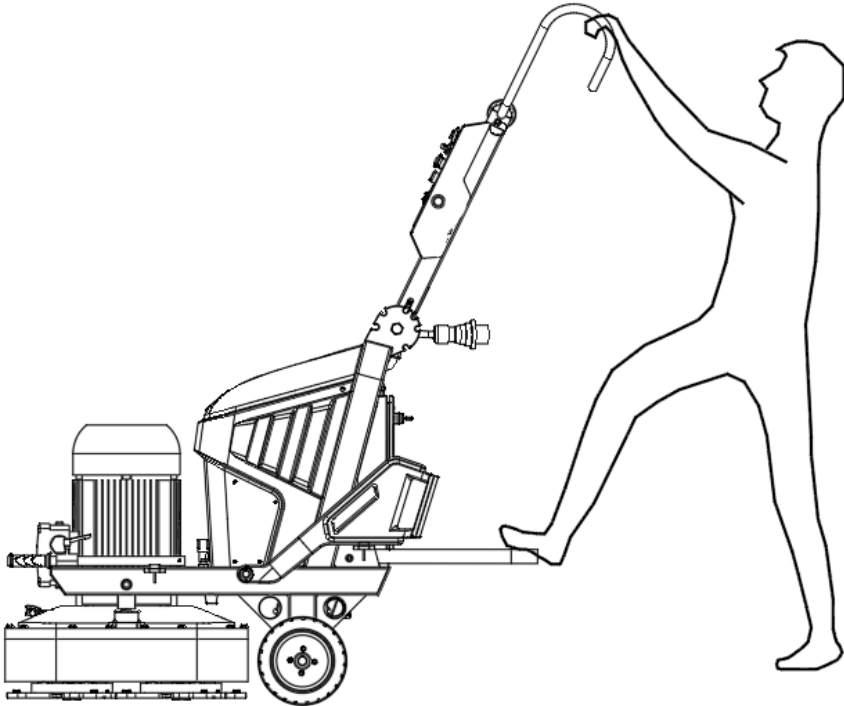
When the grinder is working, the weight iron needs to be lifted and rotated to the side of the motor, then the weight iron is gently lowered to the appropriate position and the position of the handle and the swing rod is adjusted to achieve the most suitable working position.



4.2.2 Equipment lifting position

Adjust the position of the weight iron so that it is in the lifting position, and adjust the handle, foot pedal, and swing bar to the lifting position of the device. (The recommended best lifting position)

Hold the handles tightly with both hands, put your feet on the pedals, and press the device down hard.



To put the equipment down, you need to hold the handles tightly with both hands, put your feet on the pedals, balance the equipment with your own gravity, and slowly put it down to protect the grinding head. When putting the equipment down, you must pay attention to your own strength, operate carefully within your ability, and ensure the safety of the equipment and yourself. The company does not assume any responsibility for equipment loss and personal injury caused by improper operation.

Notice:

After lifting, remember to stand next to the grinding head and press it lightly to see whether the equipment is stable and whether there is a threat of tipping in front to ensure your own personal safety.

4.2.3 Transportation

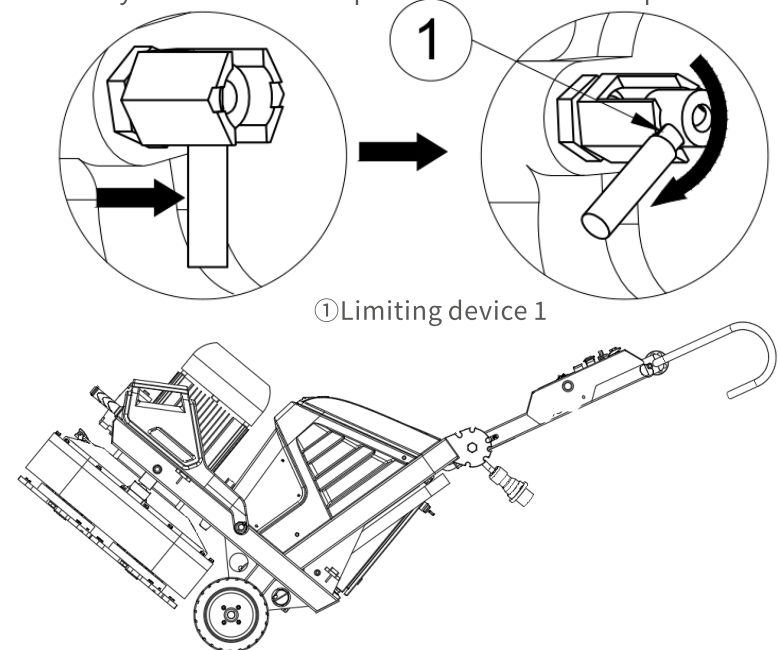
There are two types of transportation for this device, manual and automatic. During transportation, it can be operated without plugging in, relying on the device's own reserve battery.

Manually:

1.Unlocking the clutch device: When the equipment is not working, loosen the clutch device, then pull out the clutch pin, rotate the clutch pin sleeve, clamp the clutch pin on the limit device 1 of the clutch pin sleeve, and tighten the clutch device.

2.Adjust the handle and swing rod to the lifting position, and adjust the weight iron to the transport position (the specific adjustment actions of each component are described above, and the adjustment is shown in the figure below)

3.Carefully tilt the machine up and use the handle to push the device.



Notice:

1.The clutch pin may get stuck when you pull it out. Simply shake the device while pulling out the clutch pin.

2.Pay attention to your own safety when lifting the device , and be sure to do it within your ability

3.Before transportation, be sure to take out the grinding disc to prevent it from falling and being lost, causing unnecessary losses.

4.When using the hand-push method, the clutch must be unlocked.

5.When the clutch device is locked, pushing it by hand may easily cause damage to the drive motor!

Automatic:

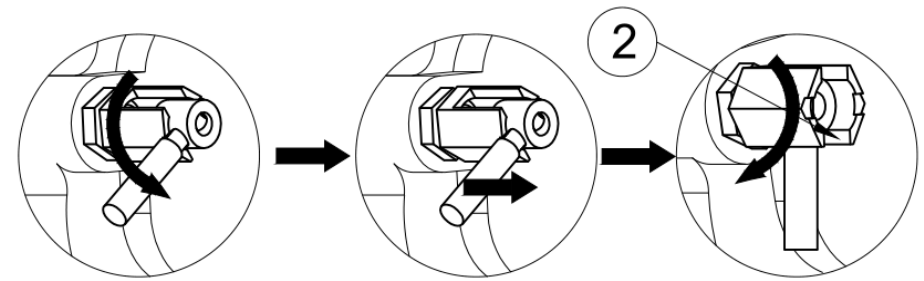
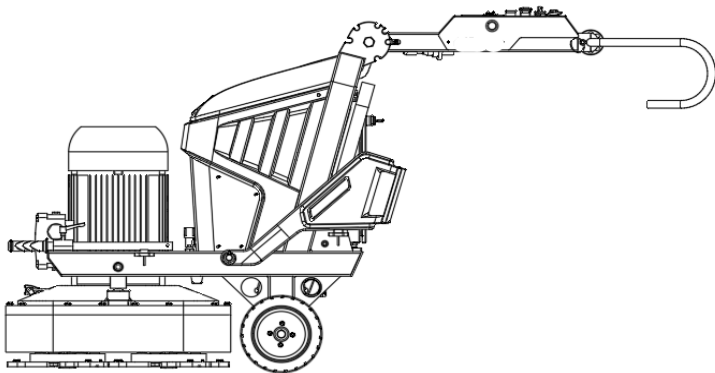
1.Adjust the handle and swing lever to the working position, and the weight iron to the transport position (the specific adjustment actions of each component are described above, and the adjustment is shown in the figure below)

2.Clutch device locked: When the equipment starts working, loosen the clutch device, then pull out the clutch pin, rotate the clutch pin sleeve, lock the clutch pin on the clutch pin sleeve, and tighten the clutch device.

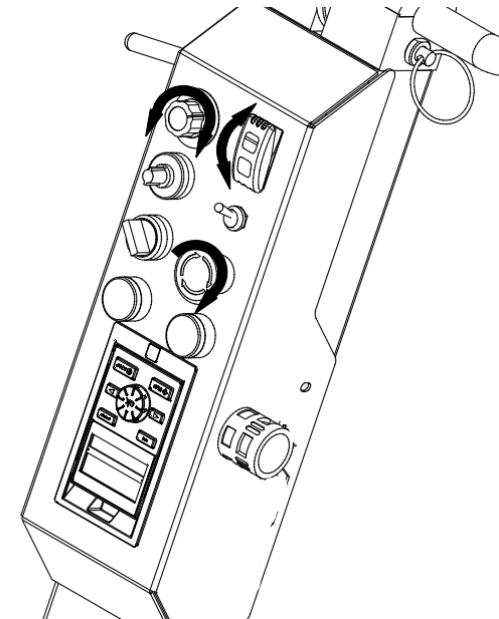
3.Turn on the general emergency stop on the swing lever control panel, and gently press the swing lever to lift the grinding disc off the ground;

4.Adjust the driving wheel speed to about 30 ;

Use the forward/reverse switch for transport.



②Restriction device 2



Notice:

1.The emergency stop switch is turned and pressed, and cannot be pulled out. Otherwise, the manufacturer will not compensate for any losses caused.

2.Before transportation, be sure to take out the grinding disc to prevent it from falling and being lost, causing unnecessary losses.

3.During operation, be sure to reserve battery power.

4.Be extremely careful when polishing or transporting on or down a slope (maximum slope 17°).

5.If it is a steep slope, be sure to use a winch. Do not stand behind the equipment .

6. When driving on a slope, check that the battery power is greater than 40%, make sure the clutch is in a locked state, and the AC input voltage must not be lower than 350V.

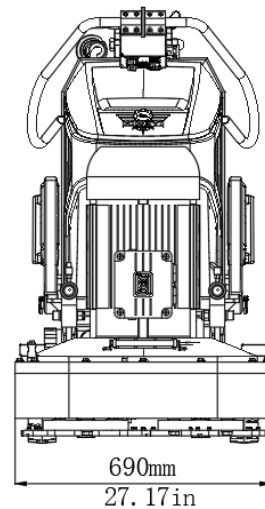
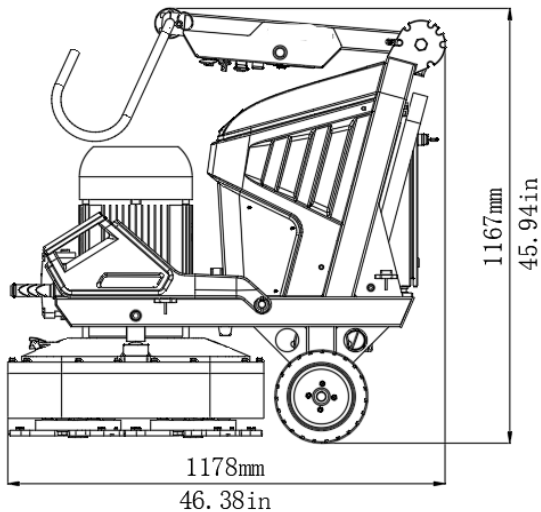
7. When moving down a slope, the equipment should be driven slowly in the reverse direction.

8. When moving up a slope, the equipment should be driven slowly in the forward direction.

4.2.4 Equipment packaging

When packing, the positions of the swing bar, foot pedal and handle can be adjusted to reach the packing position.

The minimum packaging size is as follows, and packaging can be done according to its size.



4.2.4 Notes

1. If the operation is not careful, the grinder may overturn, causing equipment damage and personal injury.

2. When you pull out the handle adjustment pin, it may get stuck. In this case, you need to shake the handle while pulling out the pin.

3. During the adjustment process, make sure that the locking device is reset before operating the equipment.

4. When the grinder is adjusted to the position for transportation or packaging, there is a risk of squeezing injury, so please be careful.

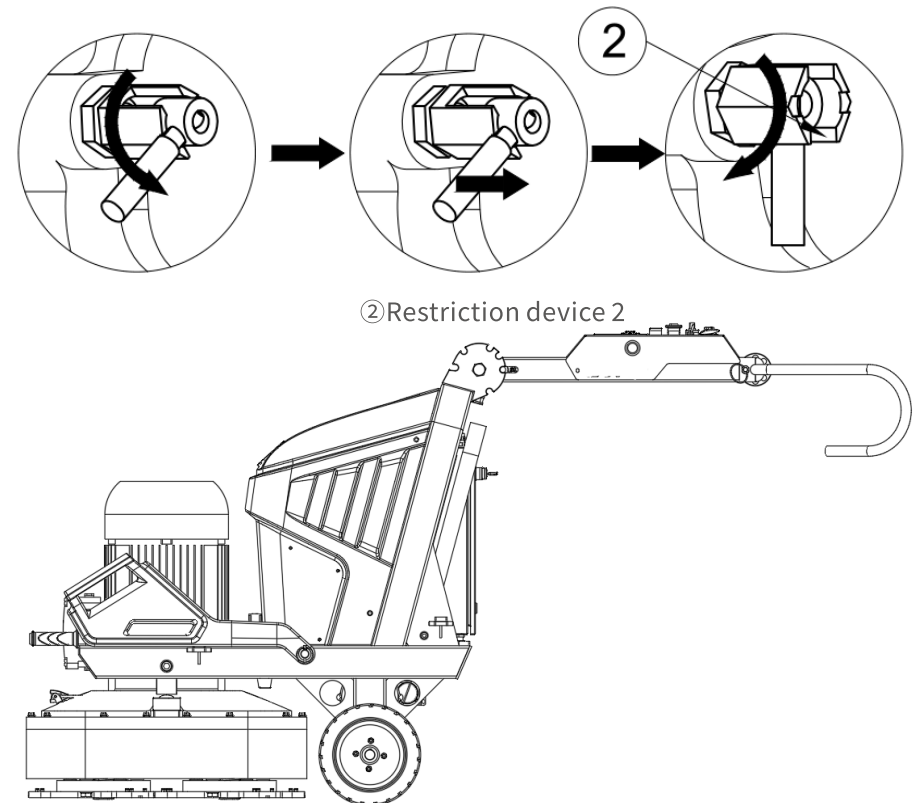
5. During the grinding process, inhalation of dust is harmful. Please wear a professional mask during operation to ensure personal safety.

6. When lifting or lowering the equipment, you must pay special attention to your own safety to avoid damage to the equipment.

4.3 Starting and stopping the grinder (drive mode)

4.3.1 Start the grinder

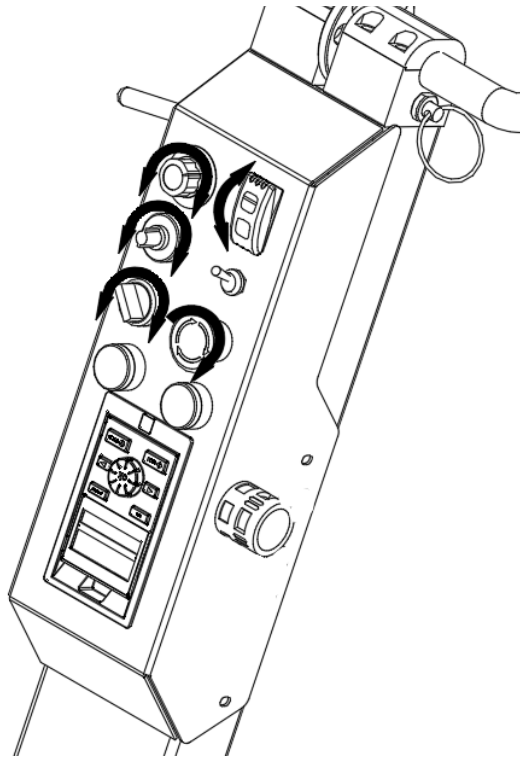
(1) Lock the clutch (P.20), adjust the weight iron (P.16), the swing bar (P.09), and the handle (P. 11) to the corresponding working positions.



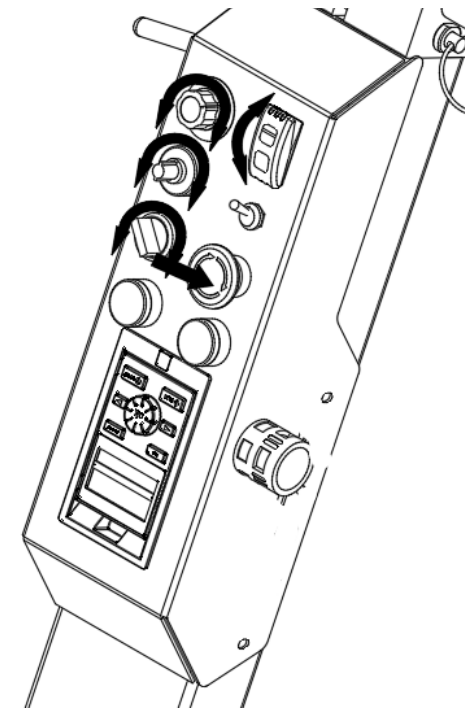
(2) Plug in the power cord (before doing this, make sure the emergency stop is pressed and all switches have been reset); if it is dry

grinding, connect the vacuum cleaner (if the vacuum cleaner shipped by Xingyi is equipped with a quick connector, it can be quickly connected to the vacuum cleaner. For detailed operations, P.15); for water grinding, fill the water tank with water. (P.14)

(3) Turn on the emergency stop switch. Turn the switch to the left to rotate the motor forward (turn it to the right to rotate the motor reverse). Turn the speed regulator to adjust the motor rotation speed. Press the forward and reverse switch to control the forward and reverse movement of the machine. Turn the drive wheel speed regulator to adjust the travel speed of the drive wheel. Then you can start the equipment for grinding (if water grinding is performed, the water switch must be turned on. P.14).



2. Stop the grinder: Press the emergency stop switch to stop the equipment (remember to reset the motor forward and reverse switch , speed regulator , forward and reverse switch , rotating drive wheel speed regulator , and unplug the power plug).



Note:

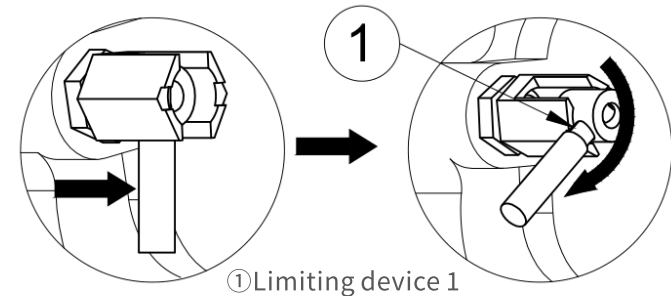
When stopping the device , it is recommended to unplug the power supply for safety reasons.

The emergency stop switch can only be rotated and pressed down according to the rotation direction on the emergency stop switch, and cannot be pulled up.

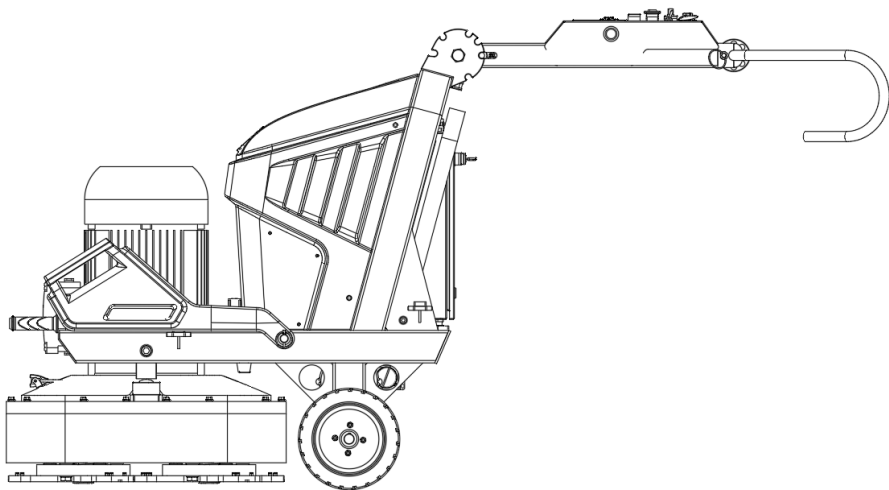
4.4 Starting and stopping the grinder (manual mode)

4.4.1 Start the grinder

(1) Unlock the clutch (P.20) , adjust the weight iron (P.16) , the swing bar (P.09) , and the handle (P.11) to the corresponding working positions .

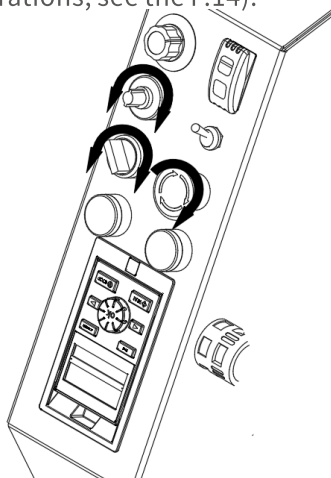


①Limiting device 1

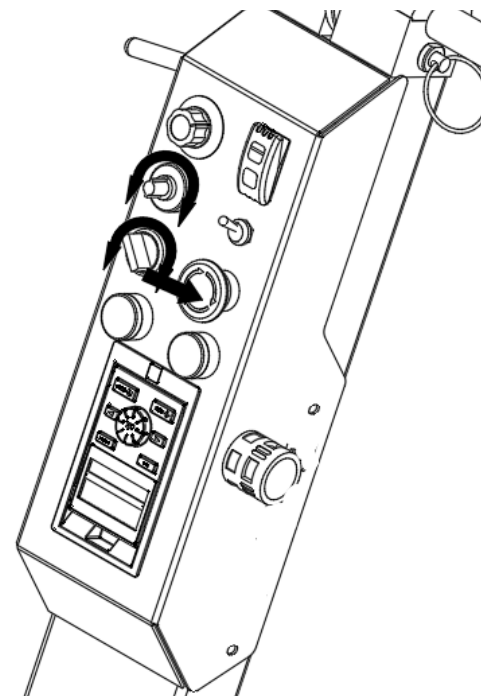


(2) Plug in the power cord (before doing this, make sure the emergency stop button is pressed and all switches have been reset); if it is dry grinding, connect the vacuum cleaner (if the vacuum cleaner shipped by Xingyi is equipped with a quick connector, it can be quickly connected to the vacuum cleaner. P.15); if it is water grinding, fill the water tank with water. (P.14)

(3) Turn on the emergency stop switch. Turn the switch to the left to rotate the motor forward (turn it to the right to rotate the motor reverse). Turn the speed regulator to adjust the motor speed. Use manual control to move the machine forward and backward. Then you can start the equipment for grinding (if water grinding is performed, turn on the water switch. For detailed operations, see the P.14).



(4) Stop the grinder: Press the emergency stop switch to stop the equipment (remember to reset the motor forward and reverse switch , reset the speed regulator , and unplug the power plug).



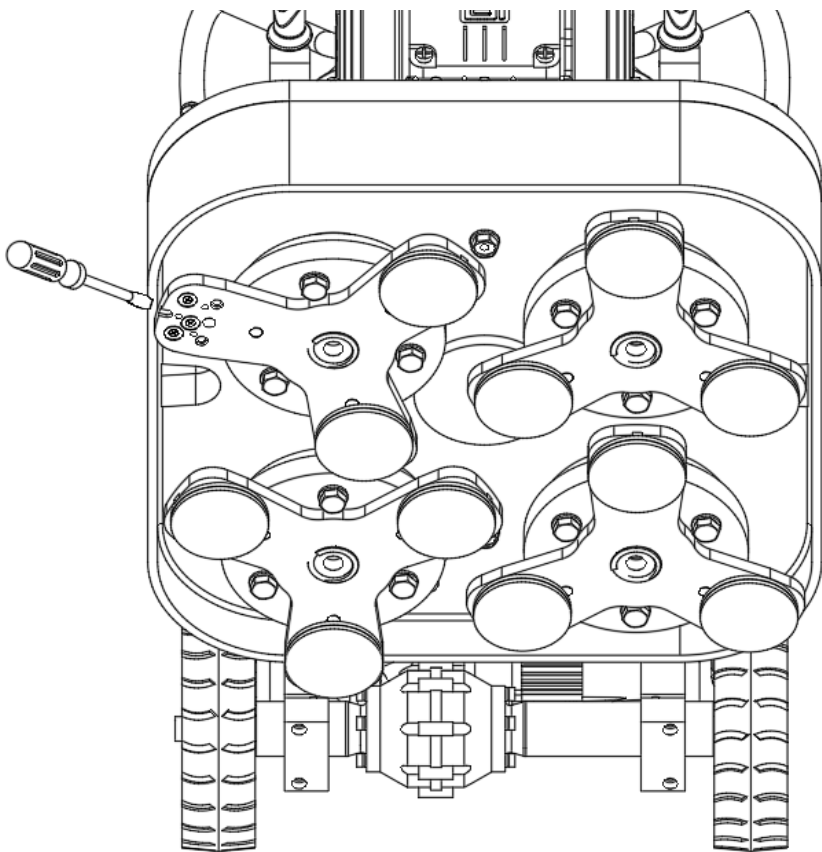
Note:

When stopping the device , it is recommended to unplug the power supply for safety reasons.

The emergency stop switch can only be rotated and pressed down according to the rotation direction on the emergency stop switch, and cannot be pulled up.

4.5 Replace the grinding disc

When replacing the grinding disc, you need to adjust the device to the tilted position (P.24), then tilt the device and carefully lay it flat. After laying the device flat, stand next to the device and check whether the device is stable. Use a flat screwdriver to replace the grinding disc and replace it with a new one.



Notice:

Please make sure that the equipment will not tilt forward before changing the abrasive;

When the equipment is running for a period of time, the abrasive, grinding disc and gear box will generate high temperature. Please be careful when changing the abrasive to avoid burns.

Make sure to unplug the power supply and press the emergency stop button before replacing the grinding disc.

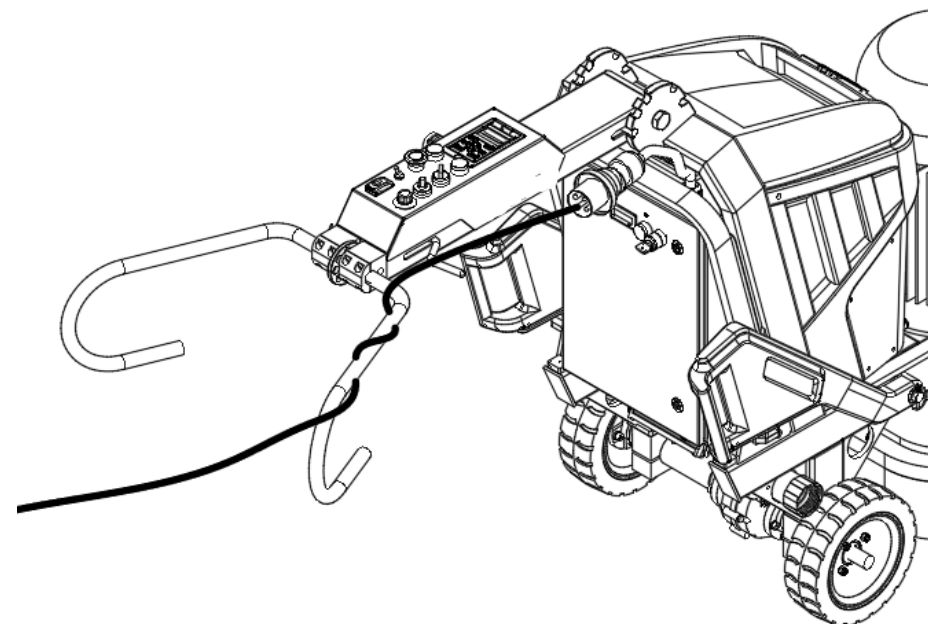
4.6 How to wind the working wires of the equipment

During the operation of the equipment, the wire winding method is particularly important, which can greatly improve your work efficiency and safety. The specific operation methods are as follows:

1. Plug in the external power supply;
2. Pass the power cord through the swing lever handle;
3. Wrap the power cord around one side of the handle at least twice;
4. Pull the power cord slightly to ensure that there is enough friction to firmly fix the power cord on the handle.

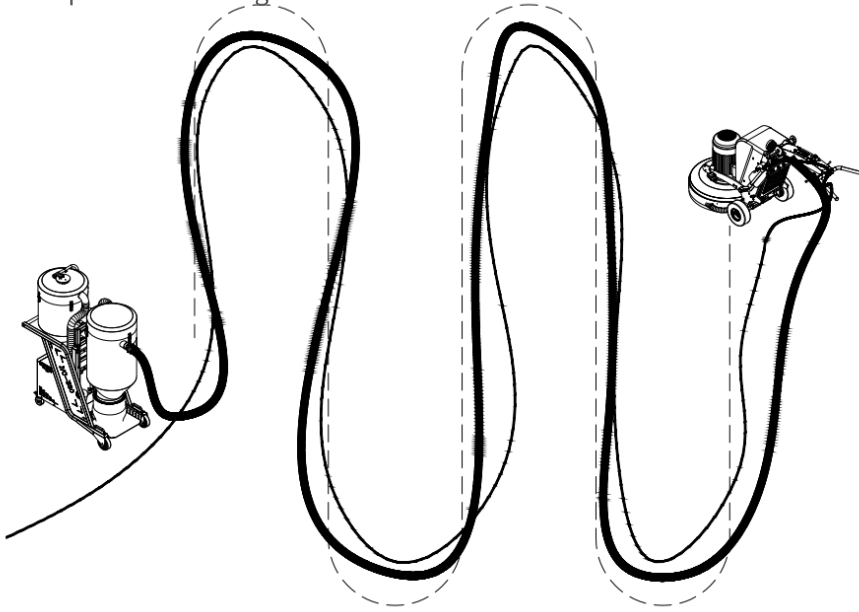
Precautions:

1. Make sure the power plug and socket are firmly connected;
2. Before plugging in the power plug, make sure the emergency stop button has been pressed and other switches have been reset;
3. Please use the power cord according to the minimum specifications of (P.41);
4. Please use the correct power supply.



4.7 Optimal grinding route

When grinding the floor, you should grind it in the shape of #, so that the grinding effect will be better. When grinding the floor in the shape of #, the grinding direction of the grinder should be such that the wire is pulled farther and farther, so as to further avoid the wire interfering with the normal operation of the grinder.



5. Equipment maintenance

5.1 Overview

We recommend that you inspect your grinder regularly to extend its life.

Notice:

During maintenance and repair, the grinder must be disconnected from the power supply.

Use protective equipment such as safety shoes, protective gloves, protective masks, etc.

5.2 Daily Inspection

5.2.1 Check the switch

Turn the emergency stop switch in the direction of rotation on the switch, press the start button to start the machine, and see if the machine starts. (When the machine starts safely and normally, the running indicator light will light up. If it does not start normally, a fault prompt will appear on the display)

Turn on the grinder, press the emergency stop switch and see if the machine stops.

Notice:

For safety reasons, it is strongly recommended to remember to press the emergency stop switch when stopping the machine, which is safer.

When starting the machine, it is recommended to press the handle to make the machine slightly lift and tilt back, relieve the pressure on the grinding disc, and reduce the friction between the grinding disc and the ground, so as to prevent the motor from being overloaded when starting the machine.

5.2.2 Check the grinding disc cover

When there is a lot of dust, it is easy to cause the dust suction pipe on the grinding disc cover of the grinder to be clogged with dust. Use a flashlight to illuminate the dust suction pipe to see if there is any dust blocking it. Clean it if necessary.

5.2.3 Check the grinding disc

When the grinder is working for a long time or there is a lot of grinding dust, the grinding disc of the grinding head may be stained with dust. If there is too much dust and it is not cleaned in time, the grinding head and the grinding disc will not fit well, affecting the grinding efficiency. In more serious cases, the abrasive will fall and cause an accident. Remember to clean it when necessary.

5.2.4 Note

Remember to use protective equipment when performing maintenance inspections, such as protective gloves, protective masks, insulated shoes, etc.

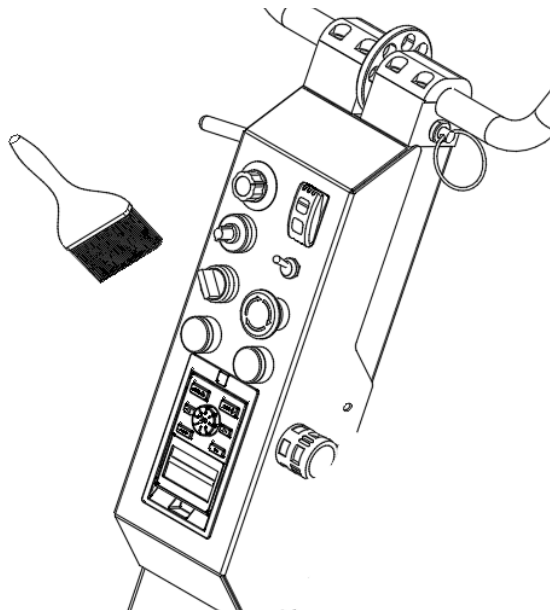
Inspection and maintenance can only be carried out after pressing the emergency stop button and unplugging the power supply.

After tilting the machine, remember to try to see if the machine is stable before checking the operation of the grinding disc.

5.3 Cleanup

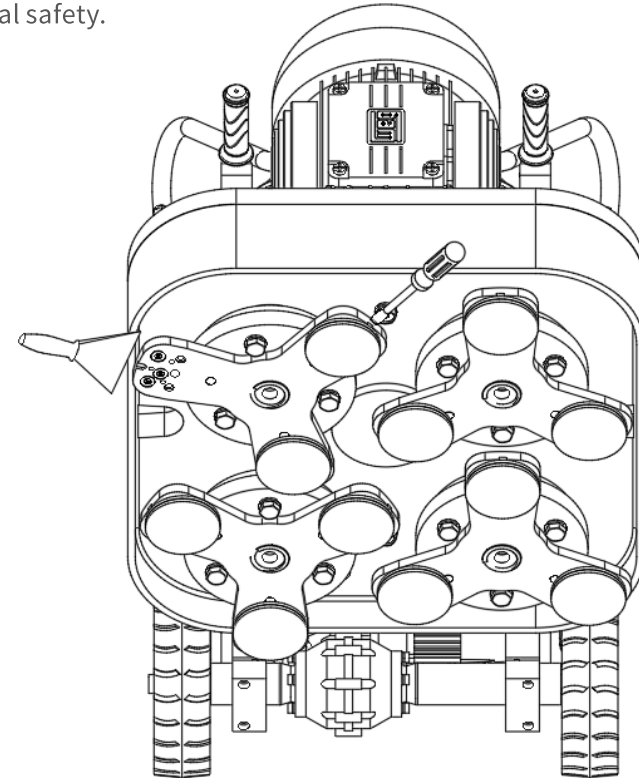
5.3.1. Cleanup switch

The grinder works on the construction site for a long time, and dust will inevitably get into the switch. Therefore, after each operation of the grinder, you should check whether the switch part is blocked by dust, which may cause the switch to malfunction.



5.3.2 Clean the grinding disc conversion block

Lift the equipment, use a Phillips screwdriver to lift off the grinding disc, and use a shovel to remove the dust. If it is not cleaned in time, the grinding disc may not be firmly bonded, and the disc may fly during the grinding process, causing damage to the equipment and a threat to personal safety.



5.3.3 Note

1. Always unplug the plug from the socket before cleaning, maintenance or assembly.
2. Be sure to clean the entire device after each workday. Do not use a high-pressure cleaner to clean the device directly.
3. In order to effectively cool the equipment, the cooling air outlet must be kept unobstructed and clean.

5.4 Overload protection

The frequency converter of the device is equipped with overload protection. When the device is overloaded, the display screen on the control panel will show that the device is overloaded. At this time, you only need to unplug the power plug and plug it back in.

5.5 Maintenance

Any repairs that may be required must be performed by Xingyi Service Center trained service personnel and using Xingyi original parts and accessories. If your device requires repair, please contact your retailer.

6.Common problems and solutions

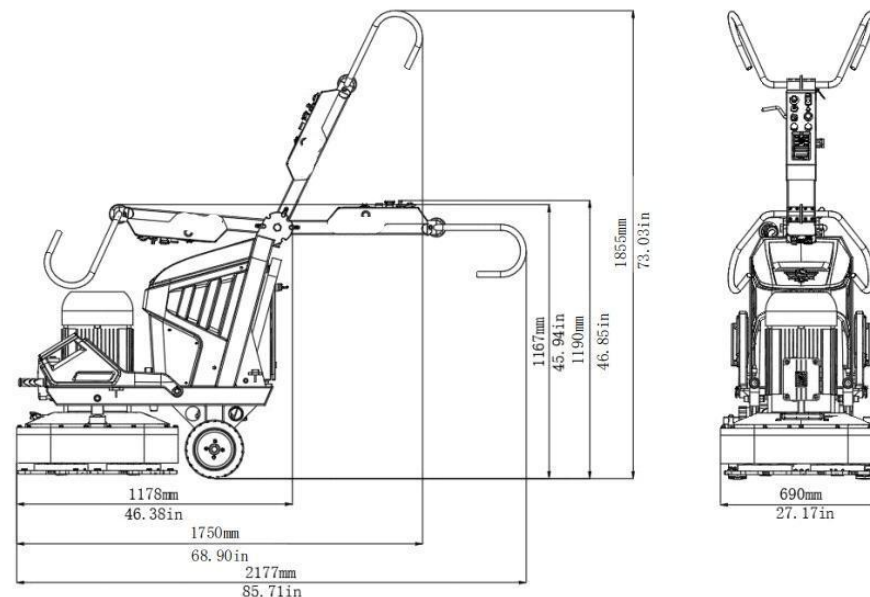
This chapter describes some possible faults and how to deal with them. If they cannot be solved or an error occurs, please contact your nearest retailer.

Problem	Possible reason	Solution
Cannot start the machine	The emergency stop switch is pressed	Turn on the emergency stop switch
	Motor is stuck	Troubleshooting motor jam
	Power system and cables are damaged	Contact a Licensed Electrician
	Not operating according to specifications	Refer to the operation instruction video
When turned on, the machine emits a low humming sound	Motor burnt out	Replace the motor
	Three-phase power failure	Contact a licensed electrician or check whether the input power is three-phase input.
The machine is difficult to control or the motor consumes a lot of current	Too little abrasive under the machine or applying the wrong type of tool	Use the number of diamonds recommended by Xingyi to reduce stress on the grinder and operator
Machine jump	The abrasive may not be installed correctly or at different heights	Correctly install abrasives with the same height
	Chassis flatness error is large	Adjust the chassis, the flatness error should not exceed 2mm
The machine cannot be driven	The three-phase power supply voltage is more than 10% lower than the rated voltage	Ensure that the voltage error is less than 3%
	The lead-acid battery is used to 0	with dedicated charger for 2 hours
	The battery is damaged, or has been charged and discharged more times than its lifespan	Consider replacing the battery
	The built-in dedicated charger is damaged	Replace the charger
	Forward/reverse switch, speed regulator damaged	replace
	Brushless controller damaged	replace
	Drive motor damaged	replace
	Drive circuit damaged	Contact Xingyi Engineer

7. Technical data

The technical data and dimensions of the equipment are as follows:

	GX720-A	
Motor Power	15KW/20HP	
Rated voltage	3P220V	3P380V—415V
Rated current	55.55A	32.25A
Input Hertz	50HZ/60 HZ	
Inverter power	15KW/20HP	
Grinding width	680mm/26.77 in	
Grinding disc size	Φ370mm/Φ14.57 in	
Grinding speed	350 – 1680 r/min	
Grinding and pressing (heavy iron in front)	316 KG	
Grinding pressure (with heavy iron at the back)	268 KG	
Dimensions (Warping position) Length × Width × Height	1750 × 690 × 1855mm/68.90 × 27.17 × 73.03in	
Dimensions (working position) length × width × height	2177 × 690 × 1190mm/85.71 × 27.17 × 46.85 in	
Dimensions (packing position) length × width × height	1178 × 690 × 1167 mm/46.38 × 27.71 × 45.94 in	
Longest × Widest × Highest	2177 × 690 × 1855 mm/85.71 × 27.17 × 73.03in	
Total Weight	459KG	
Wire model	10mm ²	10mm ²
storage temperature	-20 ~ +60° C / -4 ~ +140° F	
Operating temperature	-10 ~ +40° C / +14 ~ +104° F	
humidity	Below 95% (no condensation)	



8. Warranty

Warranty Policy

Xingyi is not responsible for equipment damage caused by transportation, unpacking, or improper use. Local dealers may have specific warranty terms. Please contact the local dealer for specific terms.