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Manual of GX250 (110V 1PH) Floor Grinder

Co-Engineered by XINGYI

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1. Introduction

1.1 Summary

Xingyi machines are used to treat floor surfaces. The range of use of the machine depends on the choice of tools. In addition to usage and general functions, this manual provides information on the use, repair and maintenance of the grinder. For further information, 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 Packing list

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

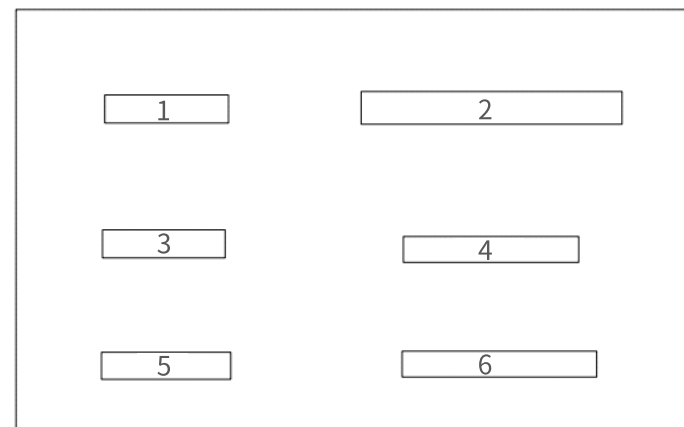
- (1) Machine*1
- (2) Manual*1
- (3) O shaped dust skirt*1
- (4) D shaped dust skirt*1
- (5) Socket*1

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 as ordered. If you have any questions, contact the retailer.

1.5 Machine information metal plate



- | | |
|--------------------|------------|
| 1. Model | 4. Voltage |
| 2. Production date | 5. Weight |
| 3. Power | 6. Speed |

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. (See P47)

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 Xingyi be responsible for damages and defects caused by improper use, corrosion or use beyond the specified specifications. Xingyi is not responsible for consequential damages or expenses in any case. For complete information on Xingyi's warranty period, please see Xingyi 's current warranty terms. Local dealers may have special warranty terms that stipulate the terms of sales, delivery and warranty. If there is any uncertainty about the warranty terms, please contact your retailer.

2. Risk List

2.1 General safety instructions

 **Warning:** Please read the following carefully before using the machine.

1. 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!
2. The operator must not operate this product unless he has read and understood the contents of the operator's manual.
3. Never rent a machine without the machine's operating instructions.
4. Please comply with local laws and regulations when using this device.
5. All work must be done by trained and qualified professionals. Operators should ensure safety and prevent dangers during operation.
6. Do not operate this product when you are tired, sick, under the influence of alcohol or drugs, or in poor physical condition.
7. Keep this device out of reach of children.
8. 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".
9. Do not modify the product at will, and do not use illegally modified products. Only personnel designated by Xingyi can perform repairs and modifications using accessories provided by Xingyi.
10. Keep the product clean and ensure you can read the markings and labels clearly.
11. Make sure the products you use are intact and undamaged to ensure safe use.

2.2 Operation safety instructions

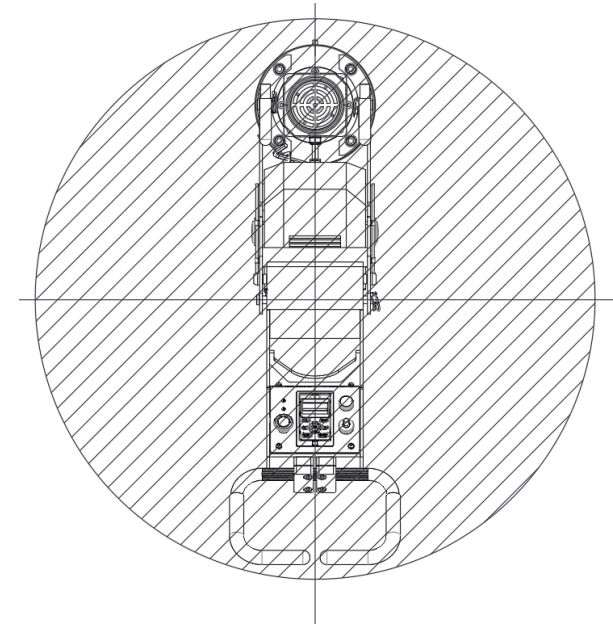
 **Warning:** Please read the following carefully before using the machine.

1. When working, you should be equipped with professional personal protective equipment.
2. This machine is only used for floor surface grinding and polishing. Please do not use it in other occasions.
3. Xingyi's machine can only be used in the way recommended by Xingyi. Please read and understand the operating instructions of the machine manual. Different models have different accessories and control operations. Wrong operation may cause safety problems.
4. 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°.
5. When the machine is operating, the operator should not leave the product and ensure that the product works normally within sight.
6. When leaving this product, please press the emergency stop switch and disconnect the power cord.
7. Before operation, make sure the dust skirt is installed on the machine to prevent dust from being inhaled into the lungs and causing harm, and to prevent the soles of your feet from accidentally touching the grinding disc.
8. Do not pull the hose to prevent the machine from tipping over and causing injury.
9. During operation, ensure that the machine is in a safe and stable position to prevent personal injury during operation.
10. Keep your body, hair, jewelry, and loose clothing away from moving parts of the machine, otherwise it may cause physical injury.
11. When the machine is found to be working abnormally, such as abnormal vibration, abnormal noise, etc., stop using the machine immediately and have it checked for damage and repaired through authorized dealers and maintenance personnel.

2.2.1 Personal protective equipment

1. When operating the equipment, please make sure to wear personal protective equipment that meets the standards to reduce the harm caused by accidents.
2. Please do not wear loose clothes or carry anything that could be dangerous, such as scarves, bracelets, rings, etc. Tie your hair up when operating the machine to avoid it being caught in the machine and causing injury.
3. Be sure to wear certified protective glasses to prevent dust or foreign objects from damaging your eyes.
4. Certified rubber protective gloves must be worn to ensure a firm grip and prevent wet concrete from injuring your palms.
5. Certified safety shoes must be worn with steel toes and non-slip soles to avoid slipping and foot injuries.
6. The machine will generate noise and dust when working. Protective earmuffs and masks must be worn to avoid noise damage to the ears and dust inhalation into the lungs to damage the respiratory tract.
7. A certified protective helmet must be worn.
8. Make sure there are fire extinguishers, first aid kits and other supplies at the work site to prevent accidents.

2.2.2 Work area safety



1. As shown in the figure above, except for the operator, no other personnel are allowed to enter this area, and the operator in this area should be extra careful during operation.
2. Do not use the machine in rain, lightning, dense fog, strong wind or other adverse conditions.
3. Do not operate the machine near explosive or flammable materials or steam. Do not operate the machine near dust, solvents, thinners or other flammable items.
4. Before the equipment is working, check the ground area to be ground and remove any hard objects such as bolts and nails that may cause damage to the abrasive and equipment; for hard objects such as steel bars and expansion bolt protruding from the ground, use a cutting machine in advance to clean up the part protruding from the ground.

2.3 Electricity safety tips

 **Warning:** Please read the following carefully before using the machine.

1. All circuit repairs can only be performed by professionals.
2. After the machine stops, the circuit is still energized. All power supplies should be cut off 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 (the overload can be readjusted under safe conditions).
4. Xingyi will not provide warranty for other losses and malfunction of the machine caused by continuous use of the machine under overload conditions.
5. The purpose of adding a inverter 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 inverter or modify the inverter parameters without Xingyi's consent. If the device fails, only the accessories provided by Xingyi can be used to replace the broken accessories. (Xingyi will not provide warranty for other losses and machine malfunction caused by modifying or adjusting the inverter or modifying the inverter parameters without Xingyi's consent)
6. Never modify the internal parts or circuits of the inverter by yourself.
7. Do not operate the machine when the distribution box is not closed.
8. If the machine current is overloaded, special attention must be paid.
9. Never connect or remove cables when the cables are live or under load.
10. Using a damaged power cord may cause electric shock. Do not use a damaged power cord.
11. Keep cables away from high temperature surfaces.
12. All electrical assembly 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. Do not allow water to enter the machine motor or inverter. (Xingyi will not provide warranty for other losses or malfunction of the machine due to water ingress)

15. The machine must use the cable specifications and voltage specifications specified by Xingyi. (The power specifications are indicated on the machine brand)

2.4 Safety warning signs



Please read and understand the instructions before using this equipment.



Be sure to wear earmuffs and protective glasses to avoid noise damage to the ears and foreign objects damage to the eyes.



Be sure to wear a protective mask to avoid inhaling dust and damaging your lungs.



Make sure all parts of the equipment are intact and all bolts are tightened, otherwise personal injury may occur.



Insulated rubber shoes must be worn, otherwise there may be a risk of electric shock.



High voltage danger, do not open, otherwise it may cause personal injury.



Danger warning, please pay attention to the text description below this icon to avoid danger.



This is the hook mark.



Please do not change the electrical circuit or software of the machine without authorization.



Pay attention to voltage: 110V 1PH

3. Machine Overview

GX250 is used to treat all types of floors. For grinding (rough grinding, grinding, polishing) concrete, natural stone and terrazzo floors or materials specified in this manual or recommended by Xingyi.

The swing handle and handle can be set to many different tilt positions according to your needs. The machine can choose a most suitable position for grinding work. The grinding head of the machine can be used with different grinding discs for grinding operations.

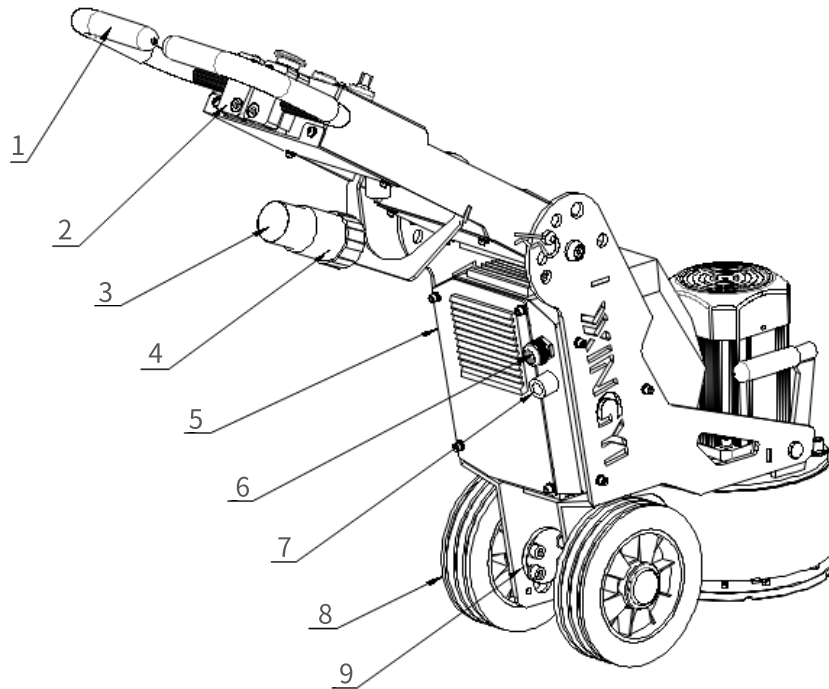
During dry grinding, use a dust skirt to cover the grinding head area of the working environment. Because it is floating, it is always in contact with the floor. This not only ensures that the operator does not touch the rotating mechanical parts, but also reduces dust exposure and improves the efficiency of the vacuum cleaner in absorbing 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.

The machine can not only dry grind but also wet grind. When wet grinding, use a spray bottle to sprinkle water on the grinding disc and the ground to cool the abrasive, so as to make the grinding more effective. It can also prevent dust and ensure the personal safety of users.

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

3.1 Overview of main assembly



- 1. Handle
- 2. Clamp cover
- 3. 50mm Hose
- 4. 50mm Hose connector
- 5. Electrical control box
- 6. PG21 Cable gland
- 7. AD18.5 Cable gland
- 8. Wheel
- 9. Adjustable wheel mounting

10. Grinding disc

11. Cover

12. Ear handle

13. Motor

14. Allen key

15. Frame welding

16. Swing handle welding

17. Green indicator light

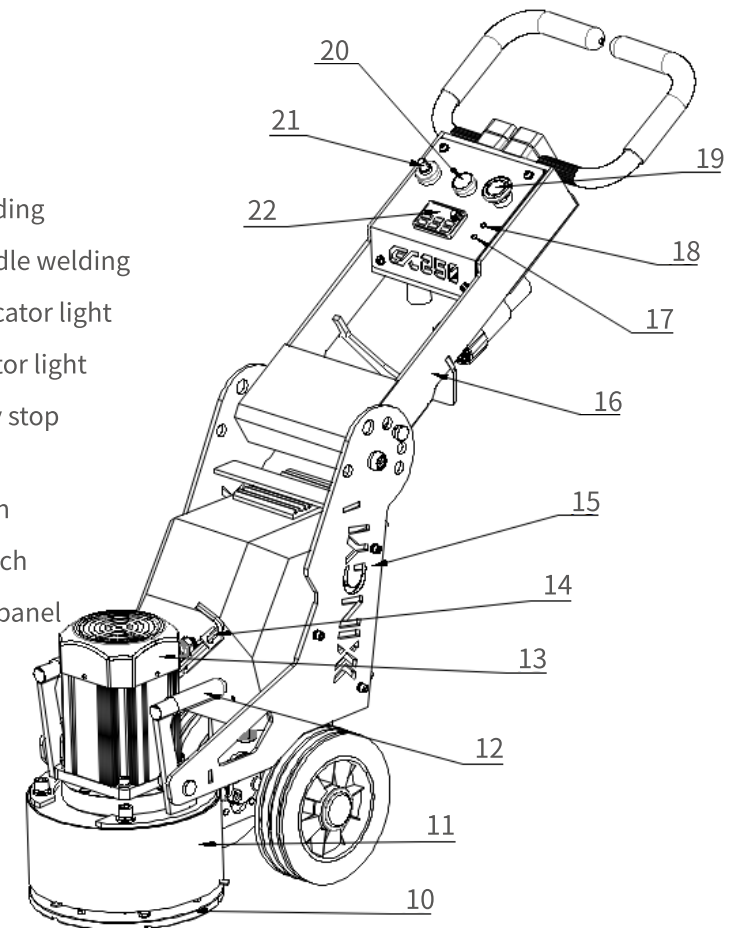
18. Red indicator light

19. Emergency stop switch

20. Start switch

21. Speed switch

22. Operation panel



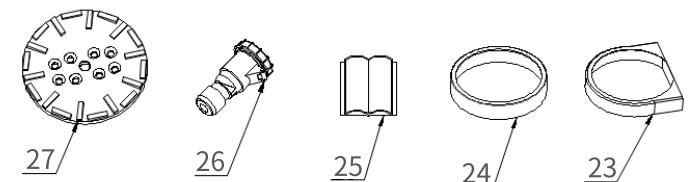
23. D shaped dust skirt

24. O shaped dust skirt

25. Manual

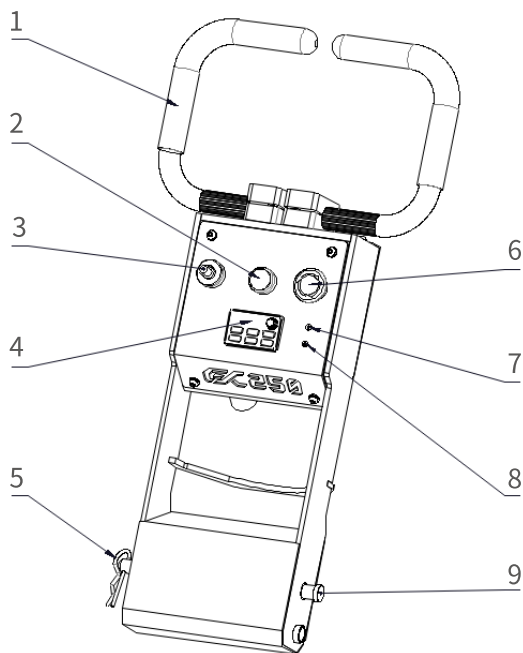
26. Plug

27. 10" Tool



3.2 Swing handle assembly

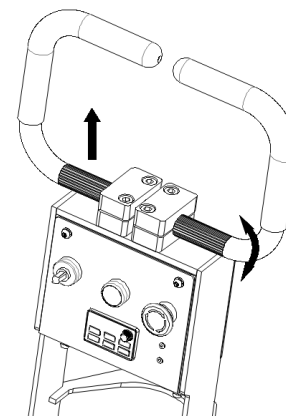
3.2.1 Overview



1. Operating handle: The position where the user places his hands during operation.
2. Start switch: Used to control the start of the machine.
3. Speed regulator: Mainly used to adjust the rotation speed of the motor.
4. Inverter panel: Displays some parameters, such as voltage, current, motor speed, overload fault prompt, etc.
5. R-type pin: Used to fix the swing handle pin.
6. Emergency stop switch: Used to stop the machine; 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 from running to protect the safety of people and equipment.
7. Red indicator light: Lights up when the machine fails.
8. Green indicator light: Lights up when the machine is working normally.
9. Swing handle pin: Used to adjust the swing handle position.

3.2.2 Handle

The swing handle is fixed with two clamp covers and two clamp bases. If you need to adjust the swing handle angle, you can loosen the bolts above the clamp covers, rotate the handle to a suitable angle, and then lock the clamp covers.



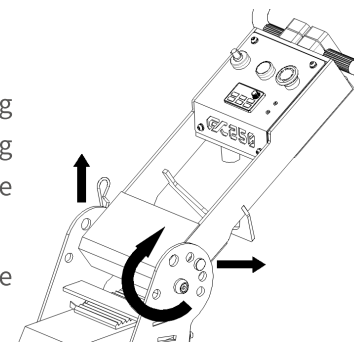
3.2.3 Swing handle angle adjustment

The swing handle adjustable device controls the different positions of the swing handle by means of the swing handle pin and the hole position on the machine frame to adapt to the change of the machine placement mode in different states (for different machine states, see P17).

When adjusting the angle of the swing handle, you need to pull up the R-type pin, hold the swing handle with one hand, and pull out the swing handle pin with the other hand. When the swing handle is rotated to the required position, insert the swing handle pin and the ring pin (Attention: the swing handle pin may be stuck, and it can be pulled out by shaking the swing handle up and down).

 **Be careful:**

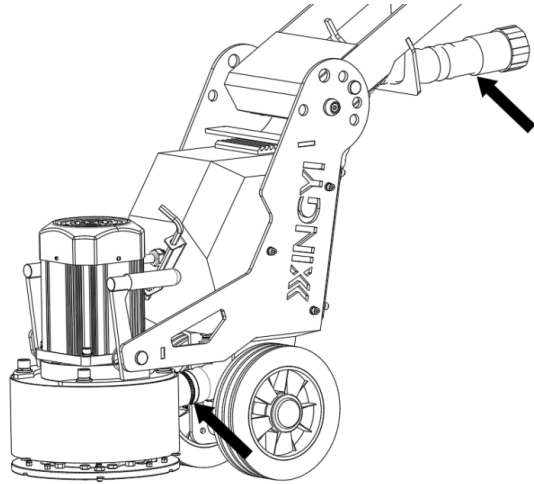
1. After adjusting the position of the swing handle, you need to check whether the swing handle has been limited before operating the equipment.
2. The swing handle is heavy, so hold it with one hand to keep it steady!



3.3 Hose connection

This machine is a dry grinding model. When dry grinding, use a 50mm hose with a hose clamp to connect one end to the grinding disc cover and the other end to the vacuum cleaner. When using it, ensure that the hose is tightly connected.

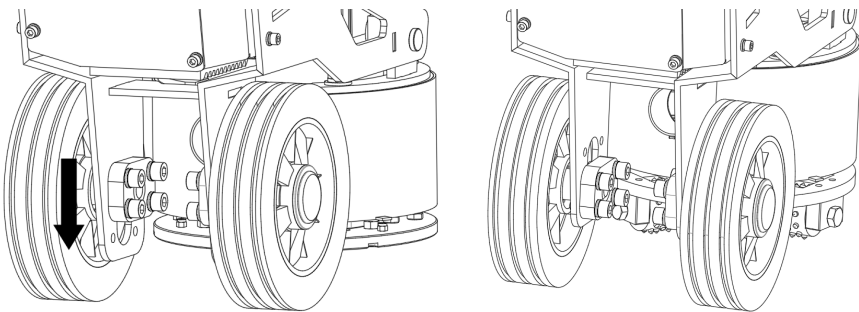
The hose should avoid contact with the wheels.



3.4 Adjustable wheel mounting

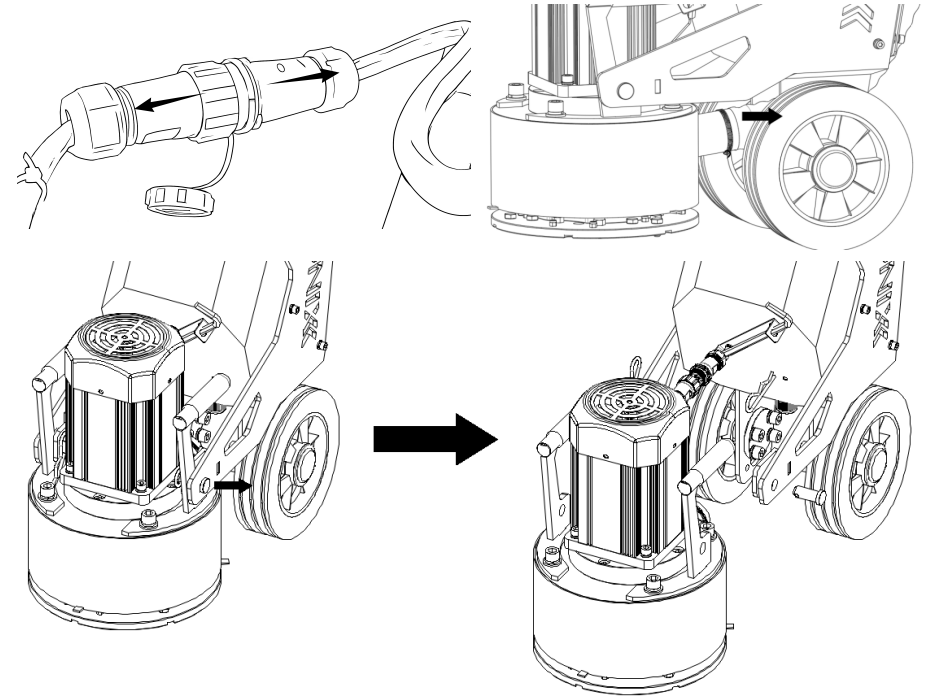
The machine wheels are fixed to the frame by two adjustable wheel mountings. When using abrasives of different heights (such as bush hammer), the wheel height can be adjusted.

Use the allen key in front of the machine's electrical control box to remove the M10 bolt of the adjustable wheel mounting, adjust the height and then tighten it.



3.5 Grinding disc cover

The connection between the machine frame and the grinding head is a quick release structure. The frame and the grinding head can be separated by unfastening the connection of the motor line, loosening the hose clamp, removing the hose, and removing the two quick release pins. There are two handles on the grinding disc cover to facilitate the movement of the hand-held grinding head.



⚠ Notice:

1. Two people are required to assist, one person holds the swing handle tightly, and the other person removes the grinding head, otherwise the frame may fall over and cause personal safety .
2. When installing the connection of the motor cable, make sure the white dots on the connector are aligned with the white dots.

4. Machine operation

4.1 Overview

The following sections describe the different locations of the grinder, the main operations of the grinder, and how to install the abrasive.

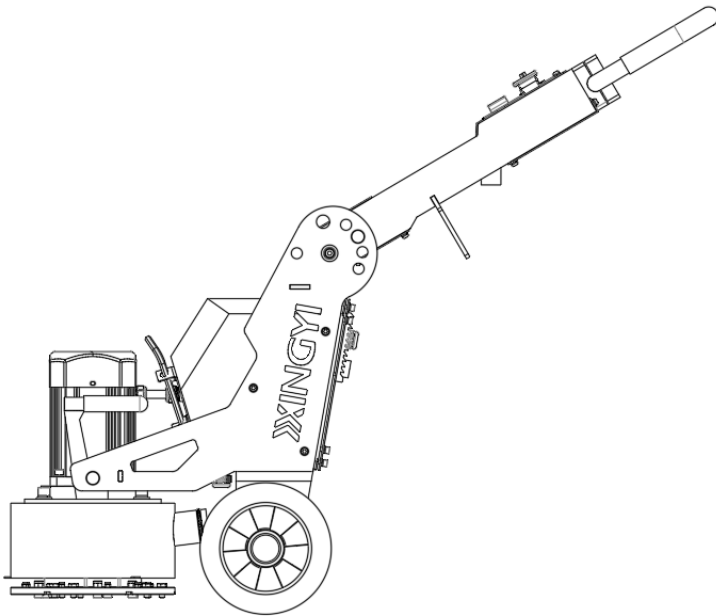
⚠ Attention:

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 Machine location description

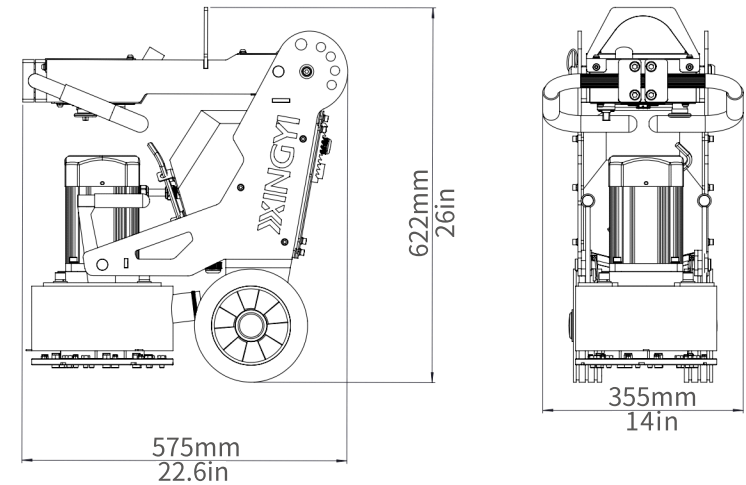
4.2.1 Machine working position

When the grinder is working, adjust the position of the swing handle to achieve the most suitable working position.



4.2.2 Machine package location

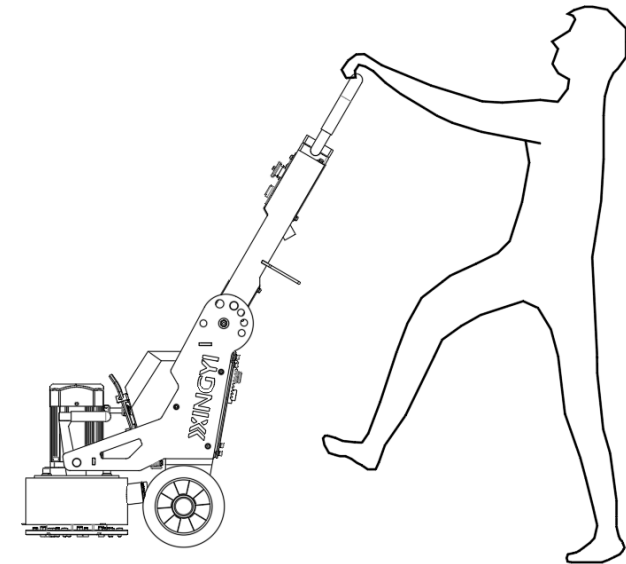
When packing, the swing handle position can be adjusted to reach the packing position. The minimum packing size is as follows, and packing can be performed according to its size.



4.2.3 Machine tilt position

Adjust the handle and swing handle to the machine tilt position.

(The recommended best tilt position can be adjusted according to the user's needs)



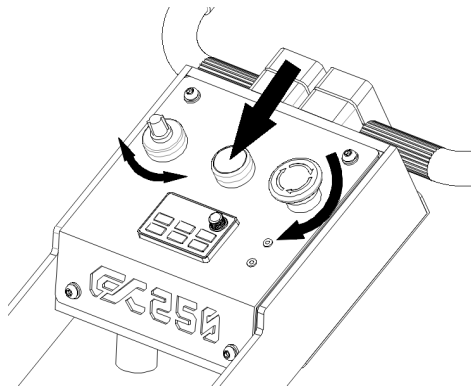
To put the machine down, you need to hold the handles tightly with both hands, balance the machine with your own gravity, and slowly put it down to protect the grinding head. When putting the machine down, you must pay attention to your own strength, operate carefully according to your ability, and ensure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

4.2.4 Notes

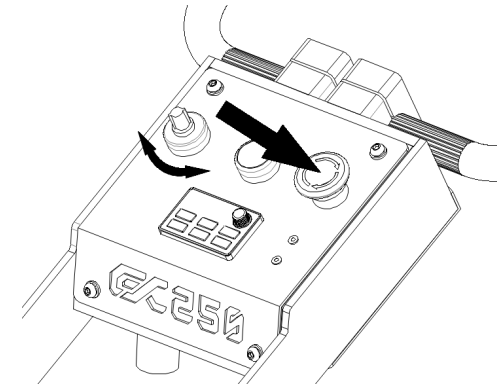
1. If the operation is not careful, the grinder may overturn, causing equipment damage and personal injury.
2. During the adjustment process, make sure that the locking device is reset before operating the machine.
3. When the grinder is adjusted to the position for transportation or packaging, there is a risk of squeezing injury, so please be careful.
4. During the grinding process, inhalation of dust is harmful. Please wear a professional mask during operation to ensure personal safety.
5. When tilting or lowering the machine, you must pay special attention to your own safety to avoid damage to the machine.

4.3 Starting and stopping the grinder

1. Start the grinder: Turn on the emergency stop switch and press the start switch to start the machine, then adjust the rotation speed of the motor through the speed control regulator.



2. Stop the grinder: Press the emergency stop switch to stop the grinder; at the same time, reset the speed regulator to 0 rotation speed.



⚠ Notice:

When stopping the machine, 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.

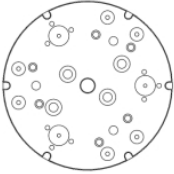
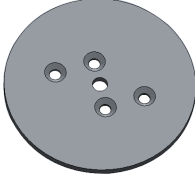
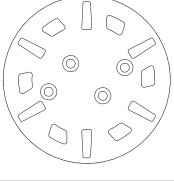
When starting the machine, it is recommended to press the handle to make the machine slightly lift and tilt back, relieve the pressure on the grinding disc, and reduce the friction between the grinding disc and the ground, so as to prevent the motor from being overloaded when starting the machine.

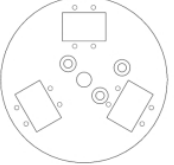
4.4 Replace the grinding disc

The machine can replace different grinding discs according to usage requirements. The following is the replacement method of commonly used grinding disc.

When replacing the grinding disc, adjust the machine to the tilt position, then tilt the machine and carefully lay it flat. After laying the machine flat, stand beside the machine to check whether it is stable.

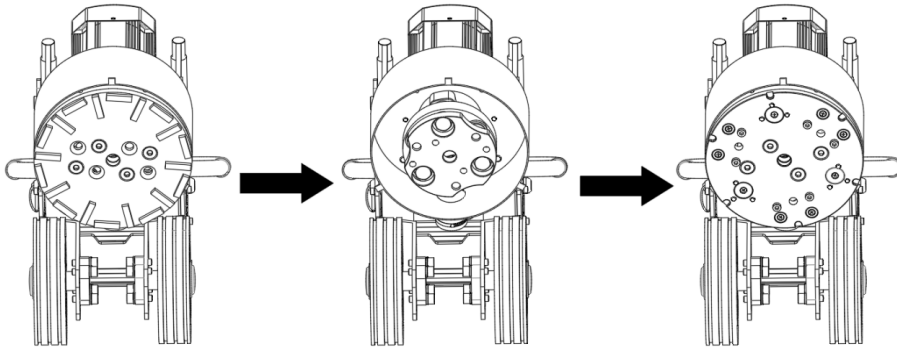
4.4.1 List of grinding discs and velcro-adapter

1	SN	Code	Specifications	Picture
	1	Round grinding disc	3.14.112.042	
	2	HTG-2YB-HF-1Z-16#	B01.01.549	
	Optional velcro-adapter			
	SN	Name	Code	Picture
2	1	Integrated velcro-adapter	3.14.211.021	
	SN	Name	Code	Picture
	1	Round grinding disc	3.14.112.059	
	Optional velcro-adapter			
	SN	Name	Code	Picture
	1	100 Velcro-adapter	3.22.115.028	

3	SN	Name	Code	Picture
	1	Bush hammer mounting disc	3.14.112.008	
	Optional abrasives			
	SN	Name	Code	Picture
	1	Bush hammer	A03.01.0502	
4	SN	Name	Code	Picture
	1	10" Tool	A06.01.4520	

4.4.2 Install standard grinding disc

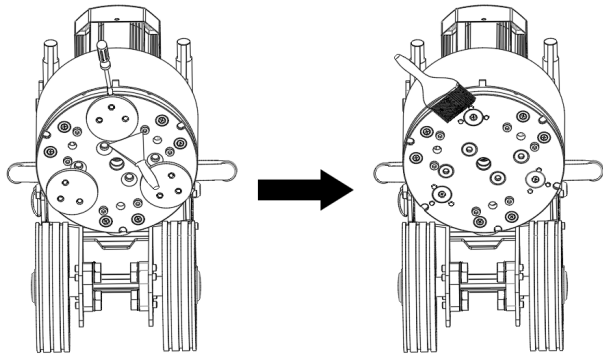
Remove the four M12 bolts on the grinding disc, align the grinding disc assembly with the holes, and install the four bolts.



(Attention: Replacing the back-mounted grinding disc is the same as this step)

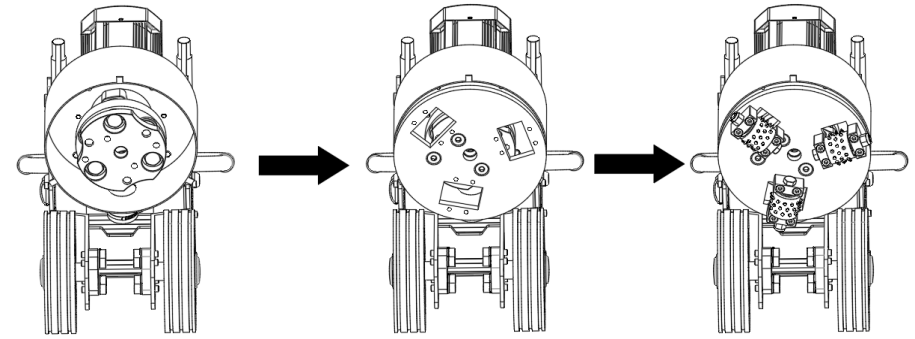
4.4.3 Replacing the abrasive

Use a screwdriver and a spatula to replace the abrasive. After removing the abrasive, use a brush to clean the sand and debris on the magnet to avoid affecting the magnetism and causing the abrasive to fly out when the machine is working.



4.4.4 Install the bush hammer

Remove the four M12 bolts on the grinding disc, align the bush hammer mounting disc with the holes, and install the three bolts of the bush hammer mounting disc; install the bush hammer in sequence, and use the bolts to lock the bush hammer.



After replacing the bush hammer, it can be used in the following areas:

1. Roughen the concrete surface
2. Clean most horizontal surfaces
3. Remove surface coatings
4. Anti-slip treatment of the surface

⚠ Notice:

Please make sure that the machine does not tip forward before changing the grinding disc.

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

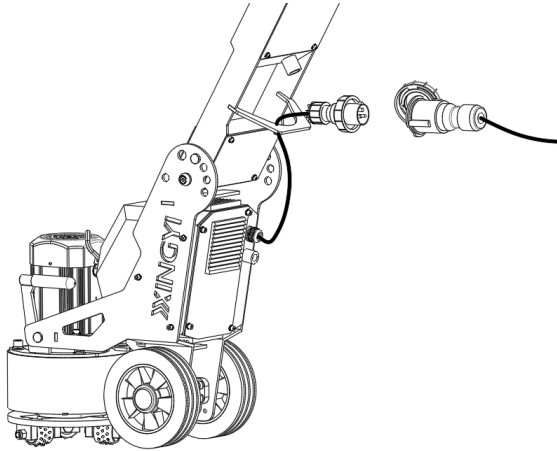
The grinding disc is very heavy. Pay attention to safety when replacing it to avoid it hitting people and causing injuries. If necessary, two people can assist in assembly.

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

4.5 The winding method of machine working wires

The winding method of wires is particularly important during machine operation, which can greatly improve your work efficiency and enhance your safety of use. The specific operation method is as follows:

1. Wrap the incoming plug on the machine onto the reinforcing rib behind the swing handle.
2. Plug in the external power supply.

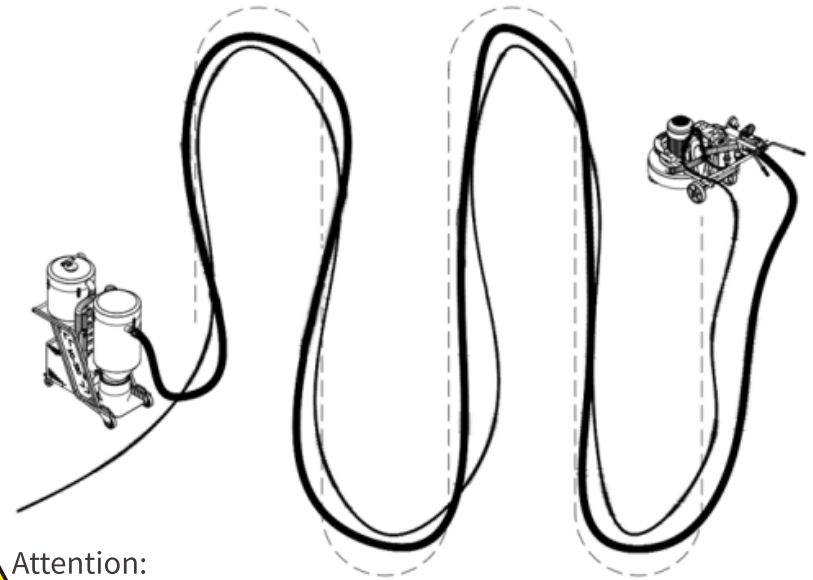


⚠ Notes:

1. Make sure the power plug and socket are firmly connected.
2. Before plugging in the power plug, make sure the emergency stop switch has been pressed and other switches have been reset.
3. Please use the power cord according to the minimum specifications of (See P47).
4. Please use the correct power supply.

4.6 Optimal grinding route

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

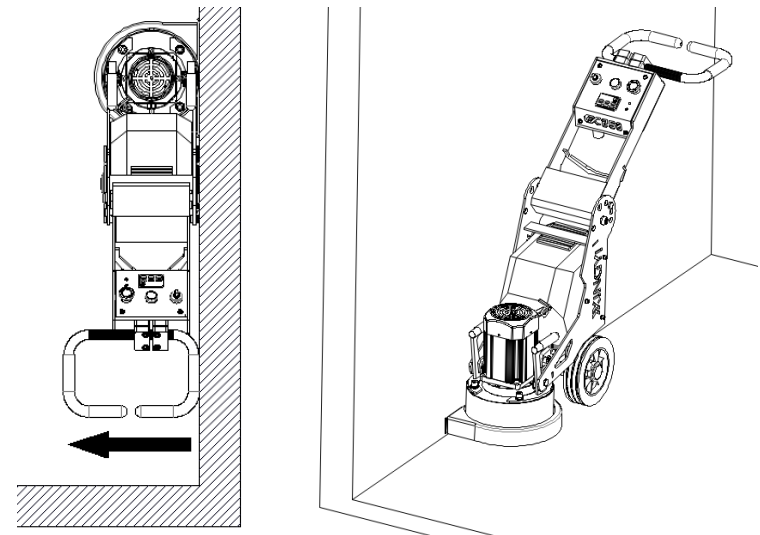


⚠ Attention:

The machine model in the above picture can be ignored, it is only for reference of grinding route and winding method.

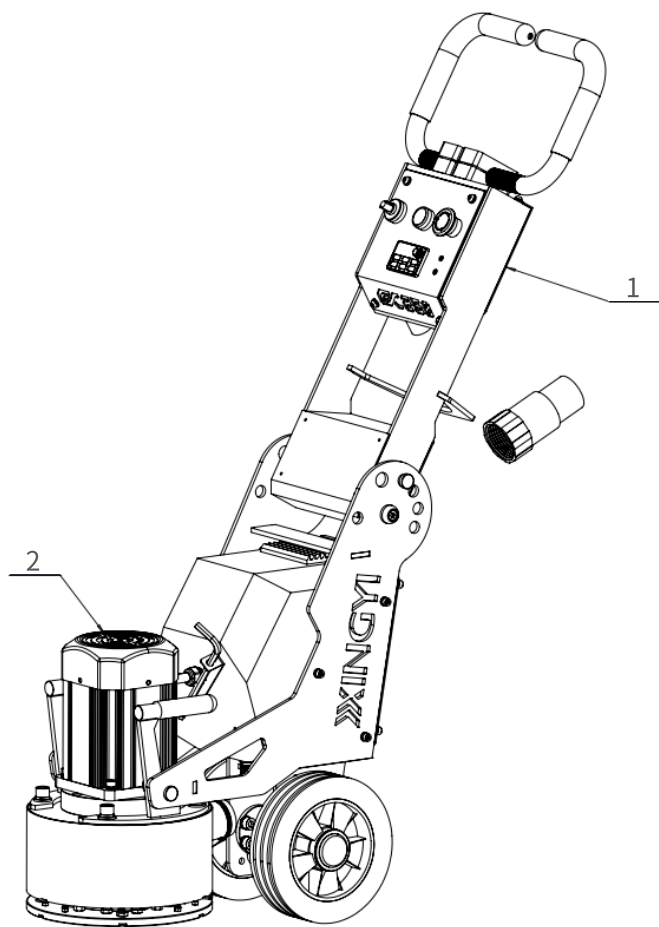
4.7 Edge grinding method

GX250 can be used for edge and corner grinding. When close to the wall, the dust skirt needs to be replaced with a D shaped dust skirt and the swing handle needs to be adjusted as shown in the figure below.



5.Parts Exploded Diagram

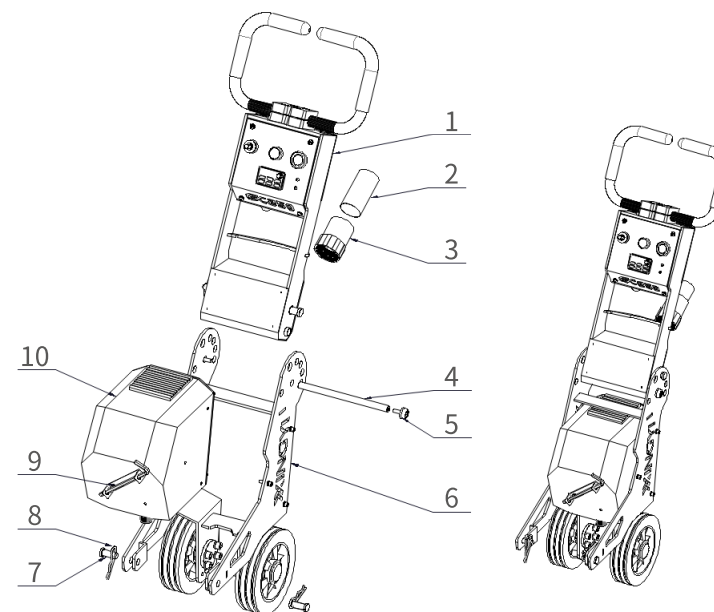
1.Grinding machine assembly



GX250 Grinder Assembly: 1.11.100.008

SN	Code	Name	QTY
1	2.11.100.005	Machine Frame Assembly	1
2	2.12.100.008	Machine Head Assembly	1

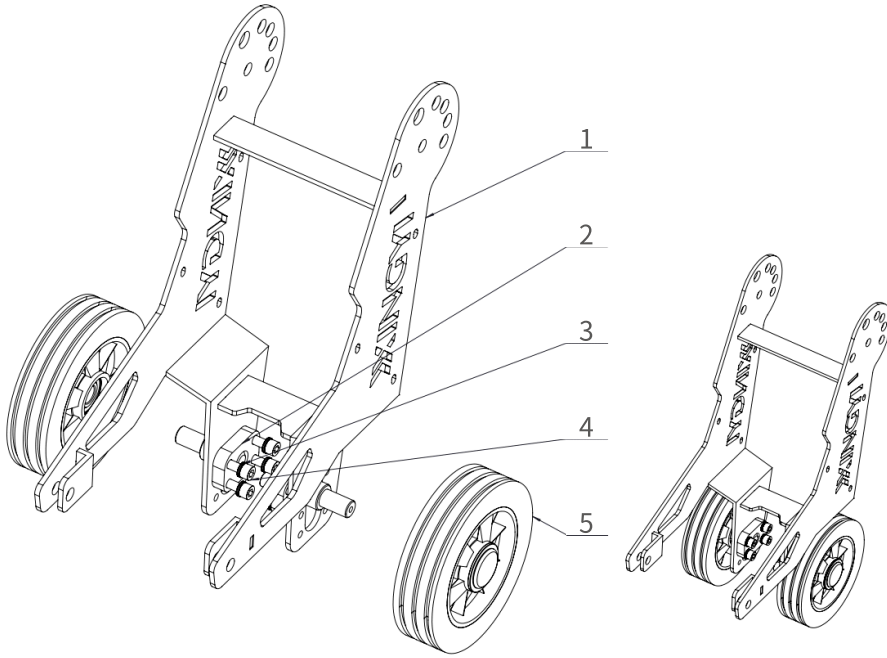
2. Machine frame assembly



Machine Frame Assembly: 2.11.100.005

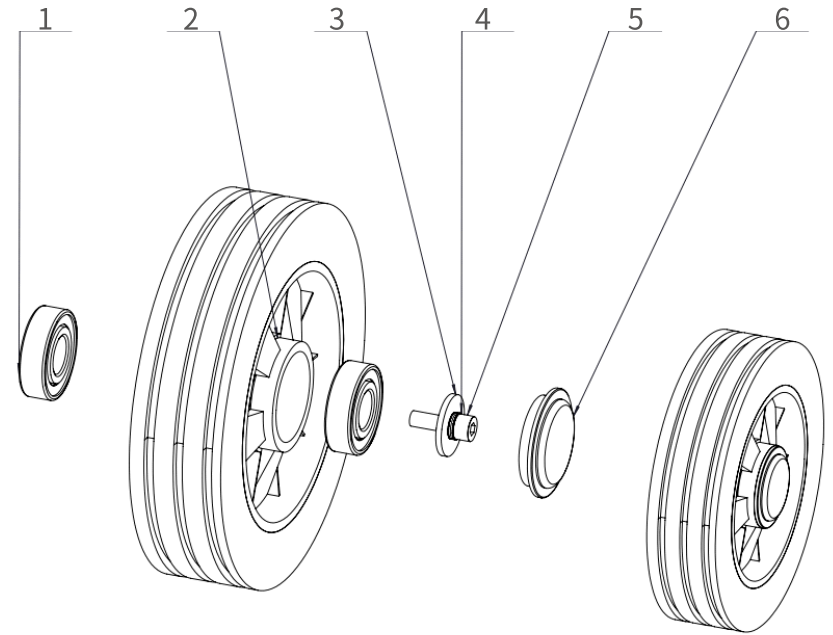
SN	Code	Name	QTY
1	2.41.100.021	Swing Handle Assembly	1
2	4.11.100.044	50mm Hose	1
3	3.22.126.004	Hose Connector	1
4	4.11.100.011	Rotating Axis	1
5	4.11.001.034	Swing Handle Cover	2
6	2.41.100.020	Machine Frame Assembly	1
7	4.11.100.021	Quick Release Pin	2
8	3.22.121.004	R-type Pin	2
9	5.51.107.109	Allen Key	1
10	2.41.100.019	Electrical Control Box Assembly	1

3. Machine frame assembly



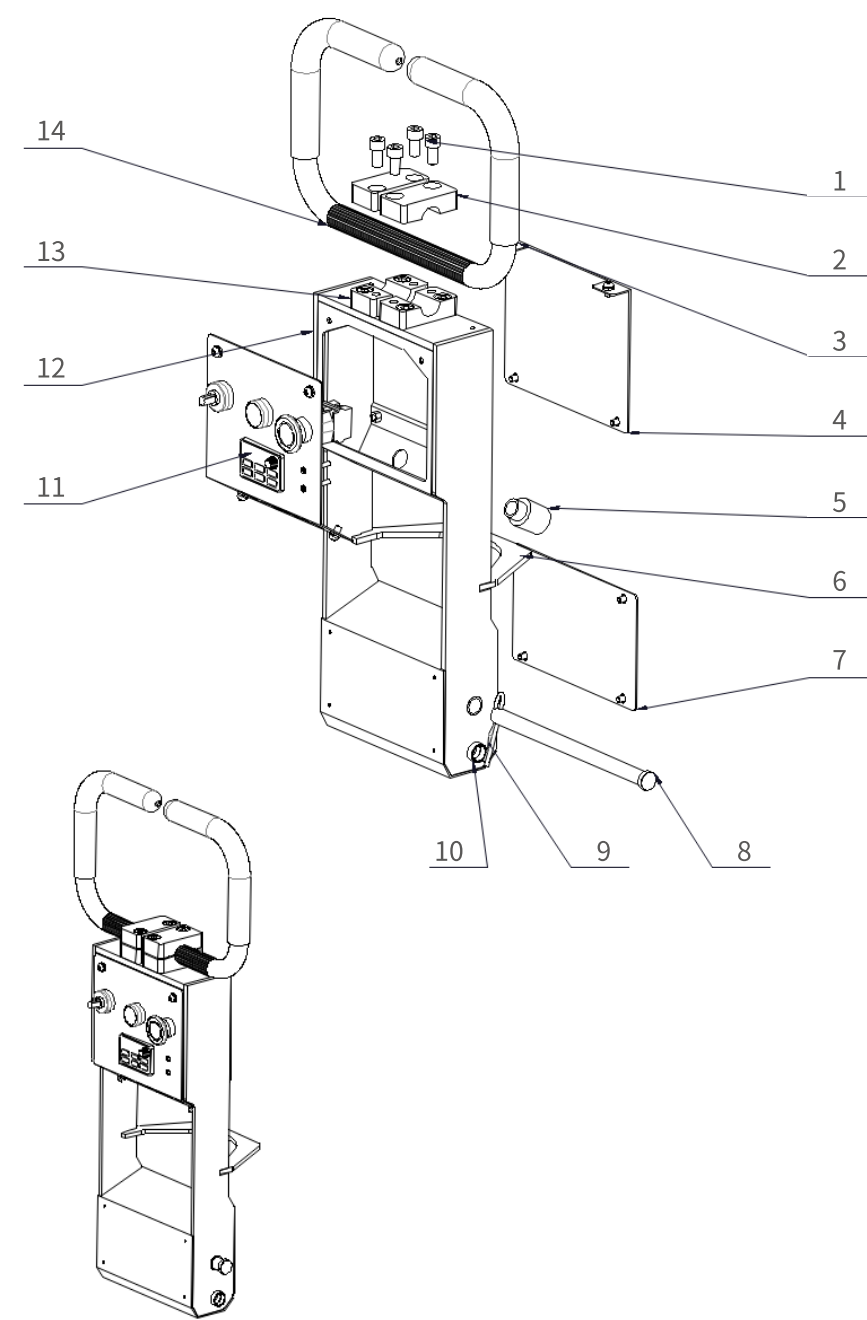
Machine Frame Assembly: 2.41.100.020			
SN	Code	Name	QTY
1	2.21.100.028	Frame Welding	1
2	4.11.100.056	Adjustable Wheel Shaft Part	2
3	5.11.109.006	Tab Washer	8
4	5.11.101.072	Bolt	8
5	2.41.100.007	Wheel Assembly	2

4. Wheel assembly



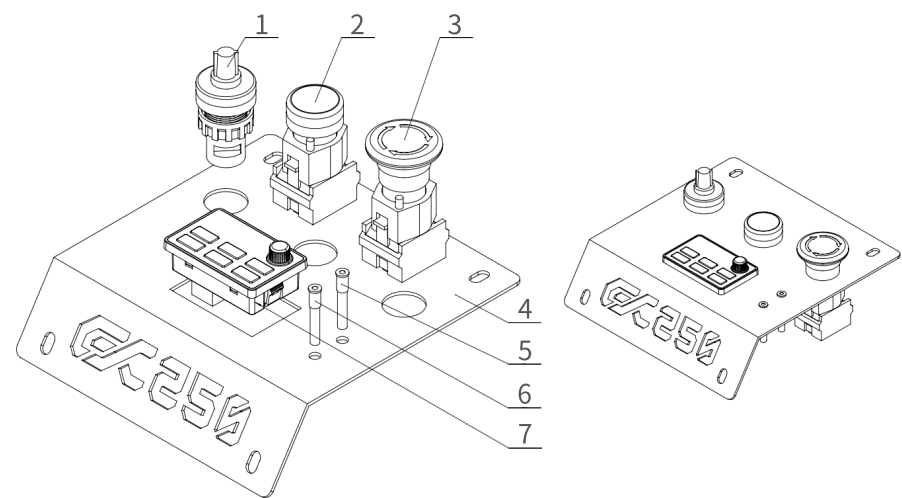
Wheel Assembly: 2.41.100.007			
SN	Code	Name	QTY
1	3.22.112.081	Bearing	2
2	3.22.111.066	Wheel	1
3	5.11.109.026	Washer	1
4	5.11.109.009	Tab washer	1
5	5.11.101.021	Bolt	1
6	3.22.111.006	Wheel Cover	1

5. Swing handle assembly



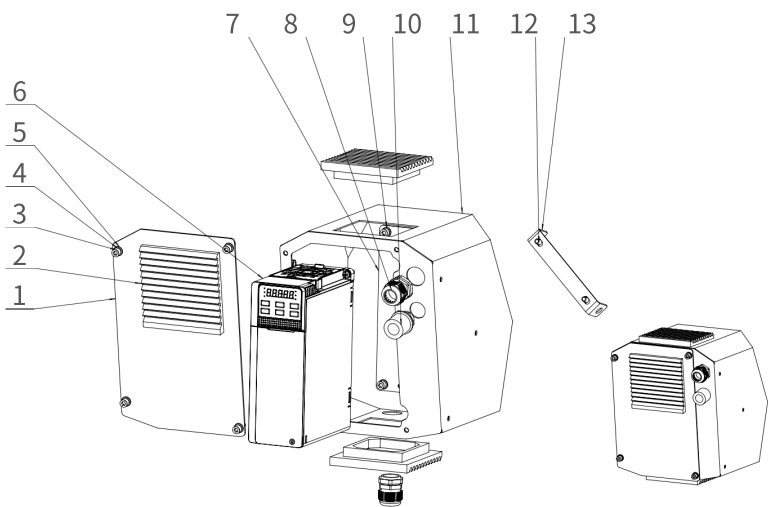
Swing Handle Assembly: 2.41.100.021			
SN	Code	Name	QTY
1	5.11.101.282	Bolt	8
2	4.11.066.038	Clamp Cover	2
3	3.22.122.020	Rubber Sleeve	2
4	4.11.100.001	Swing Handle Rear Cover	1
5	5.11.110.003	Cable Gland	1
6	5.11.101.139	Bolt	12
7	4.11.100.003	Swing Handle Rear Cover	1
8	4.11.100.007	Swing Handle Pin Shaft	1
9	3.22.121.004	R-type Pin	1
10	4.11.100.009	Spacer	2
11	2.41.100.014	Inverter Panel	1
12	2.21.100.029	Swing Handle Welding	1
13	4.11.066.037	Base	2
14	4.11.100.025	Swing Handle	1

6. Panel assembly



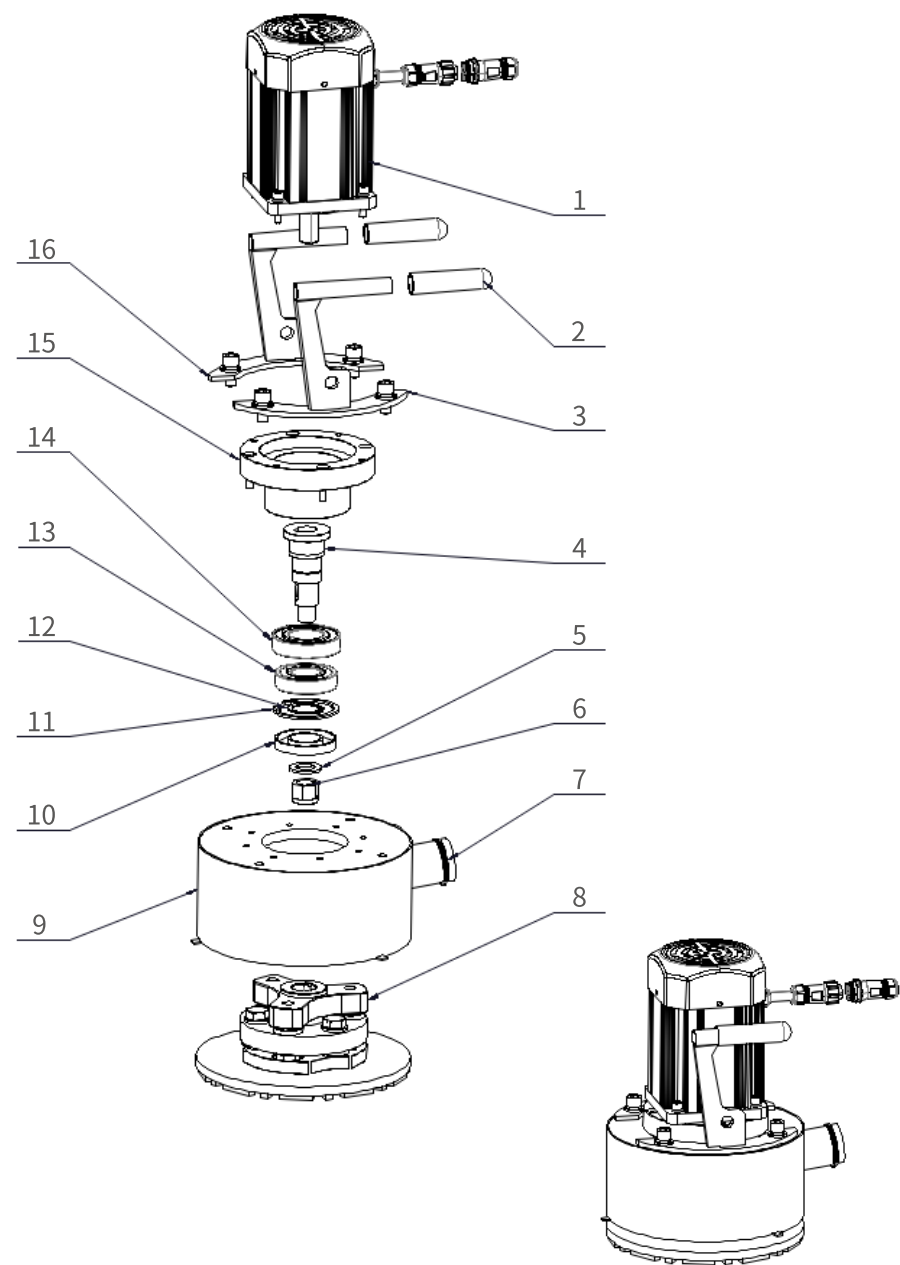
Panel Assembly: 2.41.100.014			
SN	Code	Name	QTY
1	3.21.117.005	Speed Regulator	1
2	3.21.114.005	Start Switch	1
3	3.21.114.002	Emergency Stop Switch	1
4	2.21.100.022	Control Panel	1
5	3.21.116.022	Red Indicator Light	1
6	3.21.116.021	Green Indicator Light	1
7	3.12.112.007	Inverter Panel	1

7. Electric control box assembly



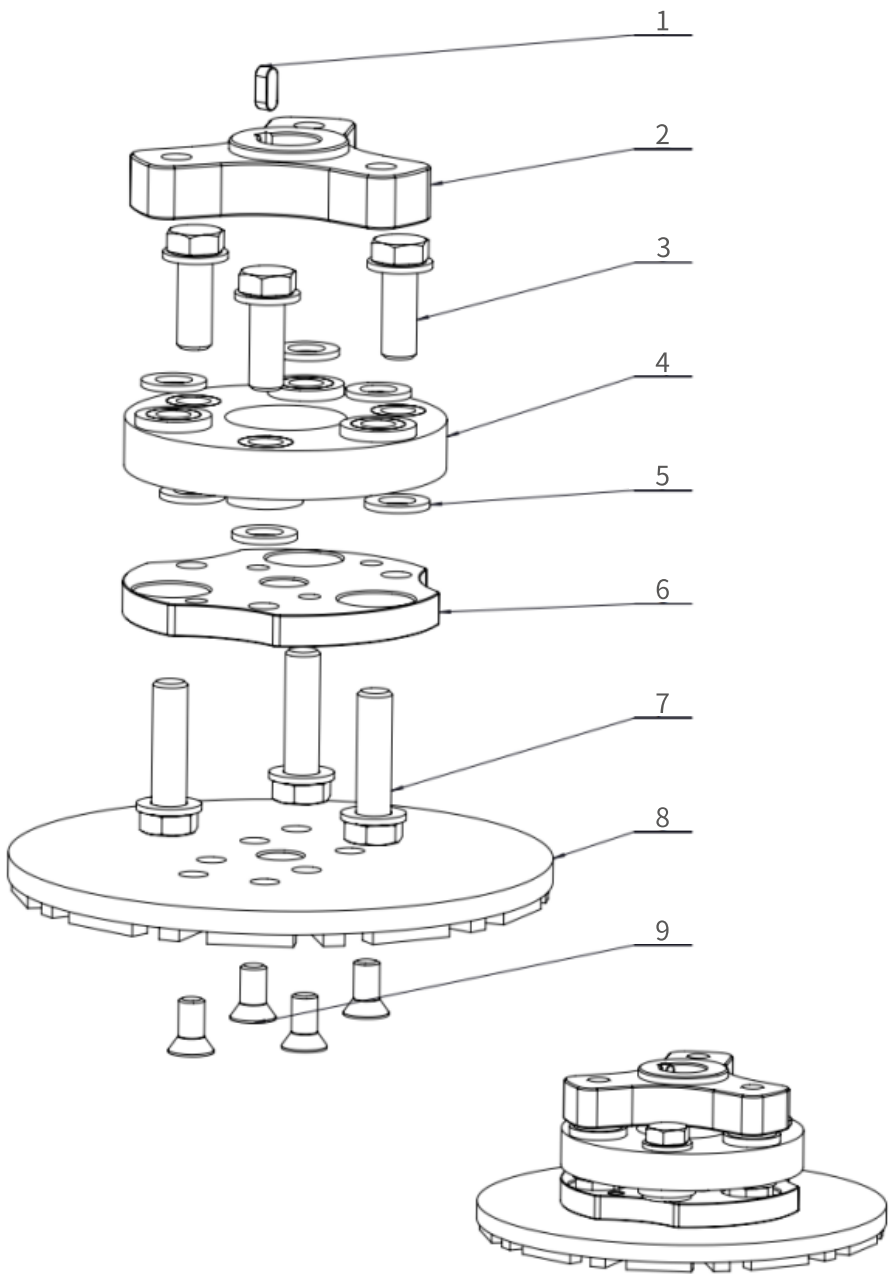
Electrical Control Box Assembly: 2.41.100.019			
SN	Code	Name	QTY
1	2.21.100.026	Electrical Control Box Cover	1
2	3.21.115.010	Outlet Filter	3
3	5.11.101.007	Bolt	8
4	5.11.109.007	Elastic Washer	10
5	5.11.109.005	Flat Washer	10
6	3.12.111.076	Inverter	1
7	2.21.100.025	Electric Control Mounting Plate	1
8	5.11.110.009	Cable Gland	2
9	5.11.110.004	Cable Gland	1
10	2.21.100.007	Electrical Control Box Welding	1
11	5.11.101.026	Bolt	2
12	4.11.100.043	Allen Key	1

8. Machine head assembly



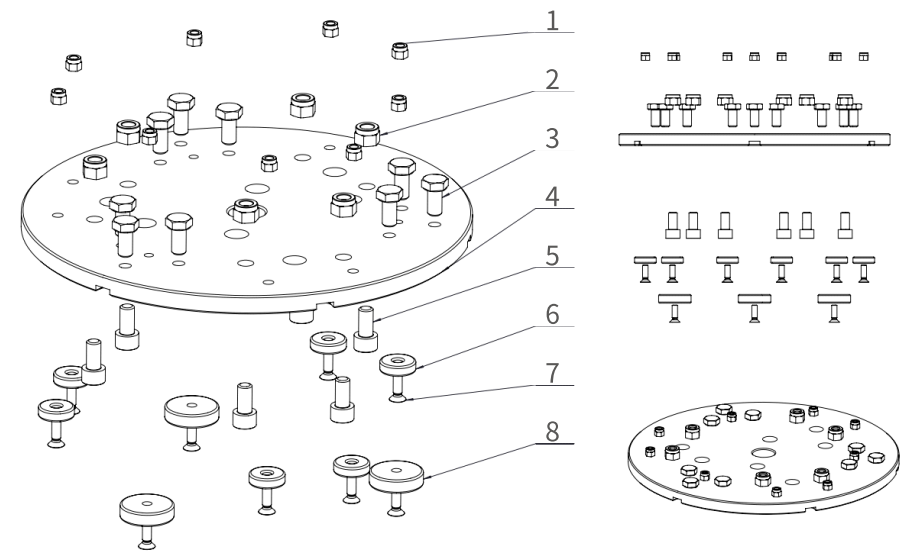
Machine Head Assembly: 2.12.100.008			
SN	Code	Name	QTY
1	3.11.111.127	Motor	1
2	3.22.122.019	Rubber Sleeve	2
3	4.11.100.013	Ear Connecting Plate Welding	1
4	4.11.100.019	Output Shaft	1
5	5.11.109.022	Flat Washer	1
6	5.11.106.012	Nut	1
7	5.11.107.005	Hose Clamp	1
8	2.41.100.018	Grinding Disc Assembly	1
9	2.21.100.013	Grinding Disc Cover Welding	1
10	5.11.164.035	Oil Seal	1
11	5.11.108.009	Inner Retaining Ring	1
12	5.11.108.018	Outer Retaining Ring	1
13	3.22.112.161	Bearing (6207)	1
14	3.22.112.162	Bearing (6208)	1
15	4.11.100.017	Flange	1
16	4.11.100.015	Ear Connection Plate Welding	1

9. Grinding disc assembly



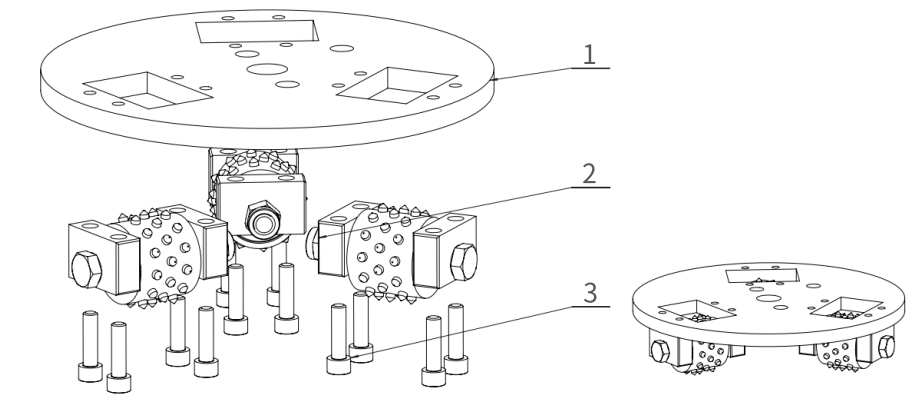
Grinding Disc Assembly: 2.41.100.018			
SN	Code	Name	QTY
1	3.22.118.003	Key Way	1
2	3.22.116.022	Upper Flange	1
3	5.11.101.290	Bolt	3
4	3.22.117.001	Rubber Pad	1
5	5.11.109.011	Flat Washer	12
6	4.11.100.055	Long Flange	1
7	5.11.101.086	Bolt	3
8	A06.01.4520	10" Tool	1
	3.31.162.095	Grinding Disc Assembly	1
	3.31.162.094	Grinding Disc Assembly	1
	3.14.112.059	Round Grinding Disc	1
9	5.11.101.424	Bolt	4

10. Grinding disc assembly



Grinding Disc Assembly: 3.31.162.094			
SN	Code	Name	QTY
1	5.11.106.013	Nut	9
2	5.11.106.002	Nut	6
3	5.11.101.189	Bolt	9
4	3.14.112.042	Round Grinding Disc	1
5	5.11.101.040	Bolt	6
6	3.22.114.002	Magnet	6
7	5.11.103.003	Bolt	9
8	3.22.114.001	Magnet	3

11. Bush hammer assembly



Bush Hammer Assembly: 3.31.162.095			
SN	Code	Name	QTY
1	3.14.112.008	Bush Hammer Mounting Disc	1
2	A03.01.0502	Bush Hammer	3
3	5.11.101.008	Bolt	12

6.List of Wearing Parts

Wearing Circuit Assembly				
SN	Name	Code	QTY	Notes
1	Emergency Stop Switch	3.21.114.002	1	
2	Star Switch	3.21.114.005	1	
3	Speed Regulator	3.21.117.005	1	
4	Plug	3.21.112.004	1	
5	Socket	3.21.112.005	1	
6	Red Indicator Light	3.21.116.022	1	
7	Green Indicator Light	3.21.116.021	1	
8	Inverter Panel	3.12.112.007	1	
9	Outlet Filter	3.21.115.010	3	

Mechanical Wearing Parts				
SN	Name	Code	QTY	Notes
1	Dust Skirt Assembly	3.31.131.049	1	
2	Dust Skirt 3	3.22.124.042	1	
3	Dust Skirt	3.22.124.105	1	Bush Hammer For Use
4	Rubber Pad	3.22.117.001	1	
5	Bolt	5.11.101.290	3	
6	Bolt	5.11.101.086	3	
7	Flat washer	5.11.109.011	12	

8	Bolt	5.11.101.424	4	
9	Bearing	3.22.112.162	2	
10	Bearing	3.22.112.161	1	
11	Bearing	3.22.112.162	1	
12	Oil Seal	5.11.164.035	1	
13	Inner Retaining Ring	5.11.108.009	1	
14	Outer Retaining Ring	5.11.108.018	1	
15	Key Way	3.22.118.003	1	
16	Wheel	3.22.111.066	2	
17	Rubber Sleeve	3.22.122.020	2	
18	Rubber Sleeve	3.22.122.019	2	
19	R-type Pin	3.22.121.004	3	
20	Flat Washer	5.11.109.122	1	The first batch of 20 units are required, the rest are not needed
21	Bolt	5.11.101.186	1	The first batch of 20 units are required, the rest are not needed
22	Magnet	3.22.114.001	3	3Y+4T5k For Grinding Disc
23	Magnet	3.22.114.002	6	3Y+4T5k For Grinding Disc
24	Bolt	5.11.103.003	9	3Y+4T5k For Grinding Disc
25	Bolt	5.11.101.040	6	3Y+4T5k For Grinding Disc
26	Nut	5.11.106.013	9	3Y+4T5k For Grinding Disc
27	Nut	5.11.106.002	6	3Y+4T5k For Grinding Disc
28	Bolt	5.11.101.001	9	3Y+4T5k For Grinding Disc

7. Equipment Maintenance

7.1 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.

7.2 Daily inspection

7.2.1 Check the switch

Rotate the emergency stop switch in the direction of rotation on the switch, press the start switch to start the machine, and see if the machine starts.

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

Rotate the speed control switch to see if the motor speed changes normally.

7.2.2 Check the grinding disc cover

When there is a lot of dust, it is easy to cause the hose on the grinding disc cover of the grinder to be clogged with dust. Use a flashlight to illuminate the hose to see if there is any dust blocking it. Clean it if necessary. (See P44)

7.2.3 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. Too much dust and not cleaned in time will cause the grinding head and the grinding disc to not fit well, affecting the grinding efficiency. In more serious cases, the abrasive may fall and cause an accident. Remember to clean it when necessary. (See P45)

7.2.4 Attention

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

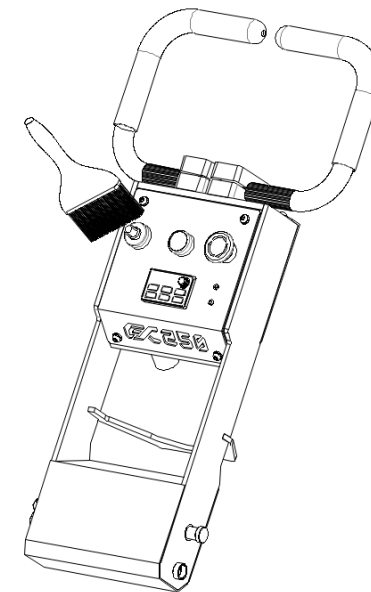
Inspection and maintenance can only be carried out after pressing the emergency stop switch and unplugging the power supply.

When tilting the machine, remember to try to see if the machine is flat before checking the grinding disc.

7.3 Cleanup

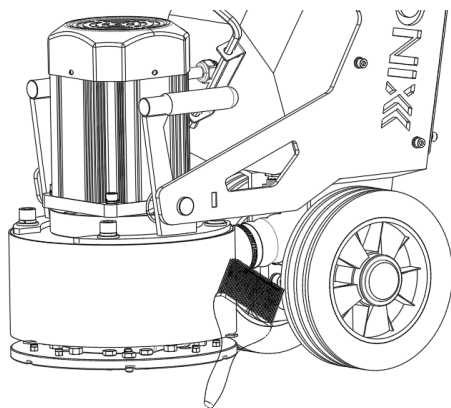
7.3.1 Clean the switch

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.



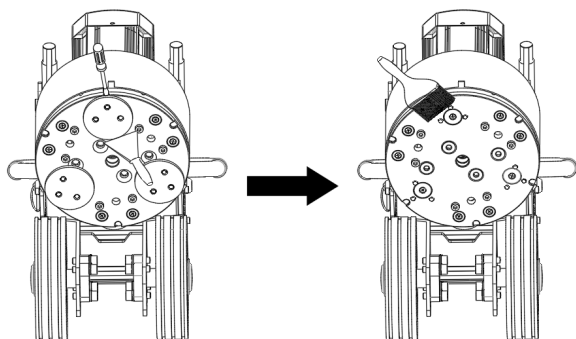
7.3.2 Cleaning the grinding disc cover

Remove the hose interface, illuminate the hose with a flashlight, and use a brush to clean the dust at the hose to prevent it from clogging the hose and affecting the vacuuming efficiency.



7.3.3 Cleaning the velcro-adaptor

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



7.3.4 Attention

1. Always unplug the unit from the socket before cleaning, maintenance or assembly.
2. Be sure to clean the entire equipment at the end of each working day. Do not use a high pressure washer to clean the machine directly.

7.4 Repair

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 machine requires repair, please contact your retailer.

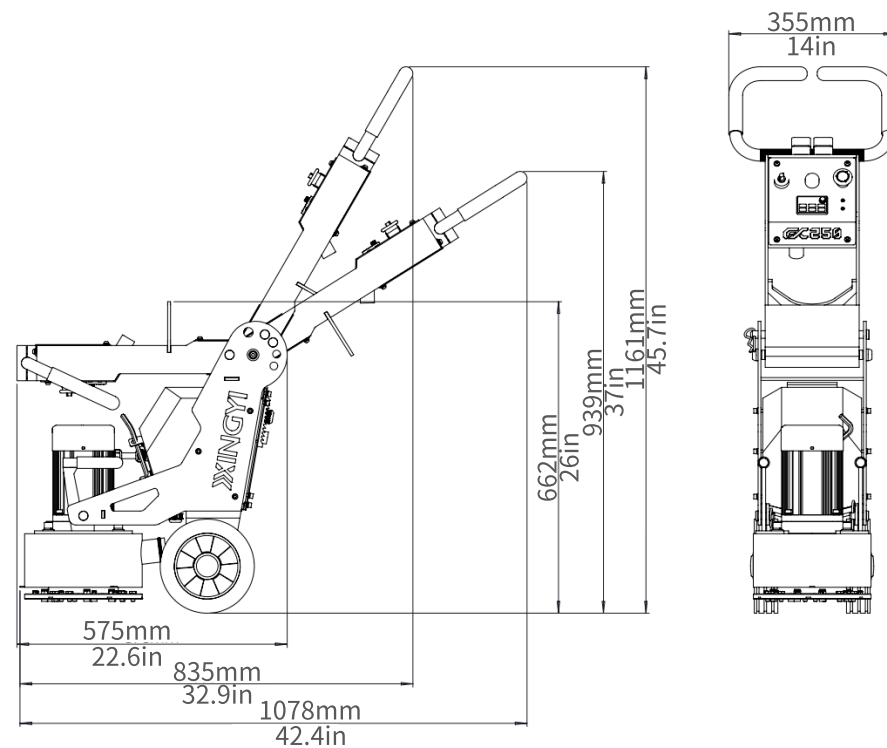
8. Common Problems And Solutions

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 cause	Solution
The machine does not start	The emergency stop switch is pressed	Turn on the emergency stop switch
	Overload	Press the emergency stop switch and press the reset switch several times to restart the machine.
	The power supply and power cable are damaged	Contact a licensed electrician
	There is a problem with the contact switch	Make sure the cables are properly connected
The machine starts and then stops	Overload	Press the emergency stop switch and press the stop switch several times to restart the machine. Then reduce the load.
The machine is difficult to control or the motor consumes a lot of current	The wrong abrasive was applied	Consult Xingyi Company to obtain the correct abrasive
Machine vibration	The diamond may not be installed correctly or at a different height	Correct installation of diamonds with the same height
	Is the grinding disc flat	Adjust and install the grinding disc

9. Technical Data

Model	GX250
Motor Power	1.1KW/1.5HP
Rated Voltage	1PH 110V
Rated Current	11A
Input Frequency	50HZ/60HZ
Inverter Power	1.5KW/2HP
Grinding Width	250mm/9.8in
Grinding Disc Size	250mm/9.8in
Grinding Speed	350-1500r/min
Grinding Pressure	20KG
Machine Dimensions (Working position) Length F × Width L × Height A	1078*355*979mm/42.4*14*38.5in
Machine Dimensions (Warping position) Length E × Width L × Height C	835*355*1201mm/32.9*14*47.3in
Packing Size Length D × Width L × Height A	575*355*702mm/22.6*14*27.6in
Longest F×Widest L×Highest C	1078*355*1201mm/42.4*14*47.3in
Machine Weight	60KG
Wire Type	2*4mm ² +1*2.5mm ²
Storage Temperature	-20~+60°C/-4~+140°F
Operating Temperature	-10~+40°C/+14~+104°F
Humidity	Below 95% (No condensation)



10. 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.