



China Honway Machinery Co.,LTD

**Operator's Instruction Manual
Concrete grinding and polishing machine
HWG550**



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Brief Parts Diagram



Safety Instructions

- ◆ Operator should wear the waterproof and insulating shoes;
- ◆ Make sure that external connecting lines should be more than 4 square meters (within 30 meters);
- ◆ The connecting lines should be connected with the earth wire in order to avoid leakage of electricity.
- ◆ Before starting, check the power cord. If age or disrepair occurs, you should change the power cord immediately.
- ◆ When you fix the power, you must make sure that the voltage is suitable to the voltage that machine requires. Besides, you should guarantee the charge of the voltage below 10% of the prescriptive voltage.
- ◆ When the voltage is so low that the machine stop working, please close the power source then wait for about 3 minutes, then connect the power source again, after this, the converter will recover automatically.
- ◆ During the process of grinding, please check the condition of level indicator and slices. When they worn out overly, the mounting will be damaged.
- ◆ People should sit on the machine in order to avoid overloading.

Handing Instruction

Instruction of the grinding disc:

- ◆ First, please put the handles in the horizontal level and turn up the mounting disc, after this please stick the grinding pads on the mounting disc and meanwhile install the skirting belt.
- ◆ Second, put the machine on the ground slightly and let the slices keep close to the floor.(please put down gentle)
- ◆ Third, adjust the handlebar and put the handle to the position suitable for operation.
- ◆ Fourth, to avoid dust to cause the machine overload and shut down, please make sure the grinding machine connect vacuum cleaner when grinding floor without water.
- ◆ Fifth, fix the power cord. (Please take care when operate)
- ◆ Sixth, open the water valve to adjust the quantity of the water.
- ◆ Turn on main switch and the machine start working.

Grinding process

For Stone Grinding

- ◆ Firstly, use the metal slices, 1# or 50# take off the surplus glue, then use them to grind until the floor becomes smooth.
- ◆ Fine grinding: 0# 1# 2# 3#(working as the floor steps).
- ◆ Polishing: after grinding, please use the polish powder in order to make the surface look lightly.

For Concrete Grinding

- ◆ Coarse grinding: you can choose the tools 16#, 30#, 80# depends on the floor condition.
- ◆ Harden: after coarse, please splashing the hardener, then after 3 hours, please start final grinding.
- ◆ Fine grinding: 100# 200# 400# 800# 1500# 3000#

Matters need attention

Overload of electrical motor (The electrical motor would be overload in the following condition)

- ◆ The voltage of the electric is on the low side;
- ◆ The protection certification of the electric motor is set inappropriate;
- ◆ The motor overloads at very low speed during long time;

How to solve above problems:

- ◆ Reset the V/F curved shaped and the torque data;
- ◆ Check the power source;
- ◆ Adjust the working load or choose another inverter which is suitable for the capacity of electric motor;
- ◆ When low speed of motor and long working time is needed, choose the exclusive frequency conversation electric motor.

Overload of inverter :(The inverter motor would be overload in the following condition)

- ◆ Overload;
- ◆ Accelerating time is too short;
- ◆ When the electric motor is initiated, after a short stop;
- ◆ V/F curved is set improperly or the torque data is too much;

How to solve above problems:

- ◆ Change the inverter whose capacity is matching;
- ◆ Prolong the accelerate time;
- ◆ Renew the V/F cured shape or the torque data.

Interior of the inverter is too hot: :(The inverter may be hot in the following condition)

- ◆ Environment temperature is too high;
- ◆ When the fans are cool and steps work;
- ◆ Ventilation condition of the inverter is poor;
- ◆ When the frequency of the carrier wave is too high;

How to solve above problems:

- ◆ Change the fans;
- ◆ Improve the condition of ventilation and heat dissipation around the inverter;

When the power LED stops working or the light of power winking, but on the screen, there shows power. It says that poor contact occurs.

When hunting of speed control occurs or the speed governor does not work, you should change another governor, because the governor may be damaged.

Power LED and working light works well and the display screen is also all right and but the machine don't work, there may be something wrong with the electric motor, perhaps poor contact of connecting line occurs, so please check the connecting lines carefully.

Accessories

- ◆ Power cord (10meters) 1piece
- ◆ Weight iron (30kg) 1piece
- ◆ Carring pole 2 pieces
- ◆ Buffing pads 2 pieces
- ◆ Waterproof belt 1piece

Circuit Diagram of Inverter

