

**Vertical & horizontal
multi-functional belt grinder
STG-2100 SERIES
OPERATION MANUAL**



CATALOG

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Please read the instruction manual carefully before using the machine.

This machine is a new type of vertical and horizontal multi-purpose abrasive belt grinding machine, which is widely used in various industries, hardware accessories, knives, tableware, non-ferrous metals, grind V etc...

1. BASIC PRECAUTIONS FOR SAFE OPERATION

1.1 Before work, wear tight overalls and protective glasses. Long-haired employees should put their hair on their heads and wear work caps before operating. Do not wear scarves, gloves, or slippers to operate the equipment.

1.2 Do not move or damage the warning signs installed on the machine, and non-professionals are prohibited from repairing this equipment.

1.3 Group operations are strictly prohibited.

1.4 When working, you must concentrate and have a serious work attitude, and you must not chat with others.

1.5 When operating, keep the head as far away from the abrasive belt as possible, avoid the direction of sparks splashing out of the eyes, and do not use too much force to prevent the workpiece from slipping, and be careful of hurting your hands!

1.6 User should not remove or change any safety protection device, and it is strictly forbidden to use an imperfect belt sander.

1.7 Excessive fatigue, drinking or taking drugs that affect the central nervous system are prohibited from working.

2. PREPARATION BEFORE WORKING

2.1 The operator must understand the structure and performance of the machine tool and master the operation process of the machine tool before using this equipment.

- ✓ Check the integrity of the equipment and auxiliary facilities before turning on the power.
- ✓ Check whether the main body and protection of the equipment are in good condition, the belt joints, and the screws of the machine base should not be loose or slippery;
- ✓ check whether the circuit is damaged, and whether the switches and buttons are in good

condition;

- ✓ The equipment that has been shut down for more than 7 days should be checked by an electrician. It can be used only when there is no moisture and whether the insulation meets the requirements.

2.2 When the abrasive belt is cracked or worn, so that the grinding requirements cannot be met, the abrasive belt must be replaced in time.

- ✓ Confirm the specifications of the new abrasive belt and whether the joints meet the safety standards.
- ✓ The locking force and runout of the abrasive belt should not be too large. After the abrasive belt is replaced, the protective cover must be installed and the personnel leave to make the abrasive belt idle for 5 minutes;

2.3 Before the equipment is started, remove all irrelevant items left on the machine tool;

- ✓ Power on the switch to make sure that the running direction is consistent with the required direction, and it is strictly forbidden to reverse it at will;
- ✓ Let the belt run idly for 5 minutes, and observe whether the operation is smooth and there is no abnormal noise and strong vibration.

2.4 The equipment inspection form must be filled in carefully according to the actual situation of the inspection, and the problem must be dealt by professional. It is strictly forbidden to operate sick equipment.

3. HOW TO OPERATE

3.1 When starting up, you must wait for the abrasive belt to reach the rated speed before it can be used.

3.2 When operating, the grinding object should be firmly held, and the pressure should be uniform. It is strictly forbidden to hit the front of the abrasive belt with force to prevent the object from falling off and flying out of the protective cover to hurt people.

3.3 It is not allowed to wrap the workpiece with large pieces of cotton yarn or cloth for grinding. When grinding small objects, it is forbidden to directly hold the object for processing.

You must use auxiliary tools to clamp the object, be careful.

3.4 Grind small workpiece during operation, wear gloves to prevent it getting hot and hot.

3.5 The abrasive belt must be kept sharp, overloading is strictly prohibited, and the debris in the protective cover should be cleaned up in time to prevent clogging or jamming, and the abrasive belt will be stuck or fly out and hurt people.

3.6 The operator must turn off the machine before leaving the machine, and it is strictly forbidden to run the machine idle for a long time.

4. AFTER WORKING

4.1 Power off the machine and thoroughly clean the equipment and surrounding area

4.2 The operator should be responsible for cleaning the machine and hand over the shift.

5. PARAMETERS

- Abrasive belt specification : 1800*50-2100*50mm(length×with)
- Belt line speed: Variable frequency stepless speed 0-35M/S
- Big wheel of Grinding outer arc : $\Phi 200 \times 50$ mm (DIA×width Accept customization)
- Small wheel of Grinding inner arc: $\Phi 20 \times 30$ MM (DIA×width Accept customization)
- 5. Motor power: 1.5KW/2.2KW
- 6. Motor model: YS90S-2 2850rpm
- 7. Electric: 200-415V 50HZ/60HZ Accept customization
- 8. Noise: ≈ 82 DB
- 9. External dimensions: 780*380*580mm

6. PACKING LIST

- Belt grinder 1 set.
- Manual.
- certificate of inspection.

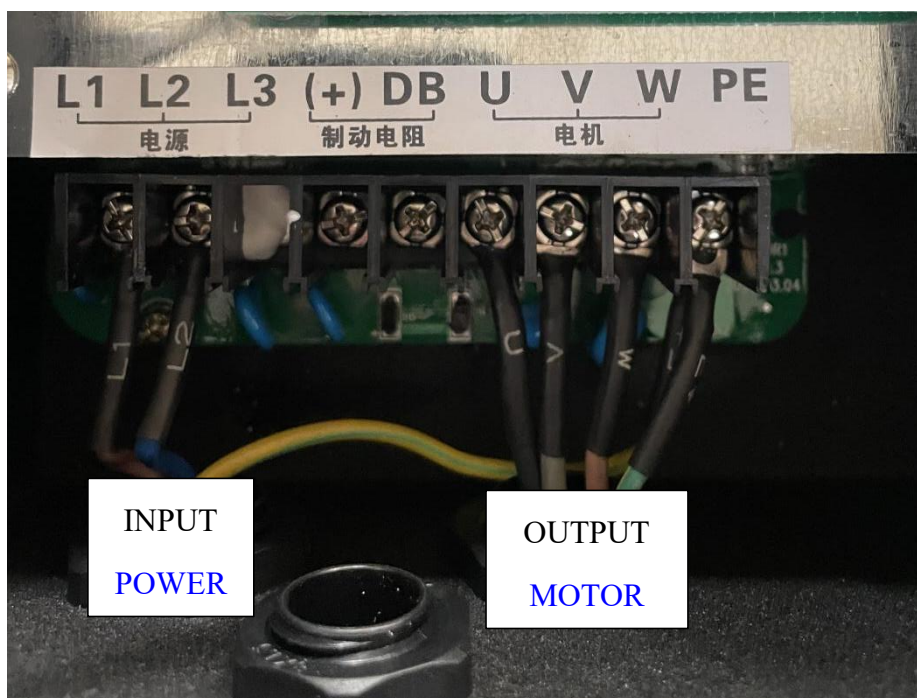
7. AFTER SERVICE:

7.1 The equipment warranty period is 1 year from the date of final acceptance. During the equipment warranty period, if there are quality problems, the supplier shall be responsible for providing free maintenance services for various types of equipment failures in time.

7.2 After the expiration of the equipment warranty period, the supplier still has the responsibility and obligation to continue to provide services for the machine, and can provide a wide range of preferential technical services and supply spare parts (should pay cost) for life.

7.3 The equipment and spare parts provided by the supplier are safe and reliable, brand new and unused. The company has the right to optimize and upgrade the spare parts of the machine without prior notice.

8. HOW TO CONNECT



SINGLE PHASE : L1 - L1, L2-Null line.

THREE PHASES: L1-L1, L2-L2, L3-L3.

NOTE: Effective ground wire is required