



SPECTRAL SAMPLE GRINDER
OES-MY100
MANUAL

PLEASE SCAN QR CODE TO
WATCH THE OPERATION
VIDEO OF PRODUCTS.



△ Safety precautions

Before you install and use this product, please read this manual carefully;

And pay special attention to the reminders and suggestions; to avoid damage to equipment, fire and personnel injury!

- ◆ Check the power supply voltage input range before use, whether it complies with the equipment, and whether the equipment grounding meets the requirements
- ◆ Determine whether the surrounding environment meets the installation requirements
- ◆ Operating the equipment according to the operating procedures
- ◆ Remove the power supply when cleaning the equipment
- ◆ Do not break down the equipment without authorization. Ask professional personnel to repair it to avoid electric shock
- ◆ Please keep this manual properly

1、 Introduction

OES-MY100 is mainly used for surface production of spectral analysis samples and polishing of metal, ceramic, glass and other devices.

The whole machine has compact structure, single disc and double speed, and smooth rotation, low noise, easy operation and high working efficiency, suitable for the gold phase laboratory of factory and scientific research units.

2、 Main technical indicators

Grillplate diameter: $\varnothing 350\text{mm}$

Wheel wheel speed: 1400 r/min, 2800 r/min (two-stage fixed speed)

Input voltage: AC380V 50Hz (three-phase five-wire system)

Input power: 2KW

Overall dimensions: 480450900mm

Net weight: 77kg

3、 Schematic diagram of the whole machine



Figure 1

Please read the following terms carefully!

4、 Installation and matters needing attention

- 4.1 After the packing box is opened, see if the appearance is obviously damaged.
- 4.2 Check whether the connecting screws of each part of the machine are loose during transportation.
- 4.3 Turn the grinding plate by hand to check whether the rotation is flexible.
- 4.4 The equipment must be well grounded and must use a tripole standard power socket. The yellow and green lines in the power line is the ground line. There are repeated grounding screws behind the equipment.
- 4.5 The equipment shall be installed on a stable working table without vibration. The environment shall be ventilated and dry, temperature 10℃ -30℃; relative humidity <85%, no corrosive gas and conductive dust around.
- 4.6 Adjust the base bolts to make the basic level and stabilize the equipment.
- 4.7 The power cord of this product shall be installed on the 4-wire leakage air switch, and the grounding wire shall be reliably connected with the earth.
- 4.8 Power supply: three-phase AC380V three-phase five-line power supply input, each line has the corresponding line number, please follow the corresponding line number wiring: N-zero line; U-phase line; V-phase line; W-phase line; PE-ground wire.
- 4.9 Steering: Pay attention to steering when installing the equipment, as shown in Figure 2:



Figure 2



Figure 3

If the steering is reversed, the grinding plate will be loose, and the operation will be dangerous. After connecting the power cord, instantly pull the power switch to the "1" position and check the steering (see Figure 3).

4.10 Steering adjustment: adjust any two-phase power line in the U, V and W phases to achieve the specified steering.

4.11 No direct conversion from high speed to low speed, easily causing loosening of corresponding parts.

4.12 The working mode of this product is intermittent, and the continuous working time shall not exceed 30min.

4.13 The dust removal device shall clean the dust in the vacuum cleaner regularly according to the use situation. If replace vacuum cleaner, should choose industrial vacuum cleaner (do not use household vacuum cleaner, otherwise it is easy to damage).

4.14 For safety, do not wear gloves during operation. At work or the millstone is not stopped before turning, strictly open the upper cover!

4.15 When using the vacuum cleaner, pay attention not to run for a long time. At the same time, you need to often clean up the dust in the cylinder, otherwise it is easy to be damaged, and the vacuum cleaner is not within the warranty scope.

4.16 When the grinding wheel is worn, it should be replaced in time.



The newly installed cut piece should first idling for a period of time, in order to ensure safe work!

5、 Operating instructions

5.1 Upper cover is open

Pull the upper cover in the direction of the arrow to open the buckle and support the upper cover as shown:



Figure 4



Figure 5

5.2 Replacement of the grinding wheel sheet



Figure 6



Figure 7

5.3 Select the appropriate speed "1" 1400 r/min or "2" 2800 r/min. After the speed is stable, hold the sample or sample gripper by hand and put it in the grinding window for grinding. The applied pressure is from light to heavy.

5.4 Cleaning of the vacuum bags

When the dust in the vacuum bag is 2 / 3, it should be cleaned up in time, as shown in the figure below: untie the rope, remove the vacuum bag, clean up the dust inside, and then tie it to the fan as shown in Figure 9.



Figure 8



Figure 9

6. Safe operation procedures

6.1 When working or when the grinding wheel does not stop turning, do not open the upper cover!

6.2 Never wear gloves for operation!

6.3 The equipment must be well grounded!

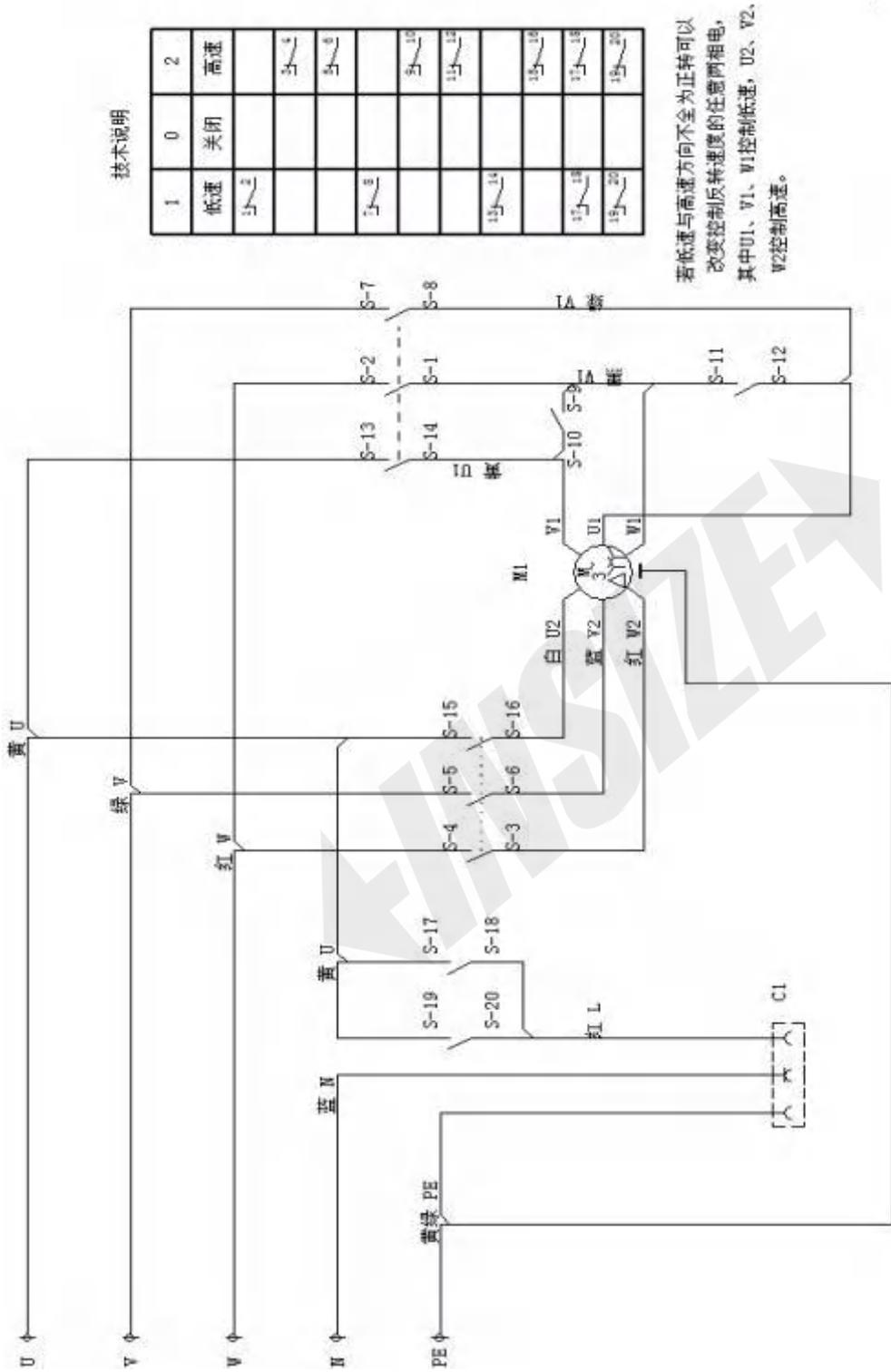
6.4 Do not work continuously for more than 30min, and clean up the dust of the vacuum filter bag in time.

6.5 The equipment should not be placed on the edge of the steps to avoid displacement and fall.

7. Simple troubleshooting

fault phenomenon	The exclusion method
The host machine is running, but the vacuum cleaner does not work	<ul style="list-style-type: none"> ◆ Whether the power line is connected according to the standard (three-phase and five-wire system) ◆ Whether the power supply plug in the cabinet is connected reliably; whether the power supply of the vacuum cleaner is turned on ◆ vacuum cleaner damaged
The host is weak	<ul style="list-style-type: none"> ◆ power supply is short of phase
When operation, the whole machine vibration	<ul style="list-style-type: none"> ◆ Adjust the anchor bolt to make the body stable ◆ Adjust the equipment level to deviate from the resonance point

8. Appendix wiring diagram



技术说明

1	0	2
低速	关闭	高速

若低速与高速方向不全为正转可以
 改变控制反转速度的任意两相电，
 其中U1、V1、W1控制低速，U2、V2、
 W2控制高速。



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