

# Automatic scraper instruction manual

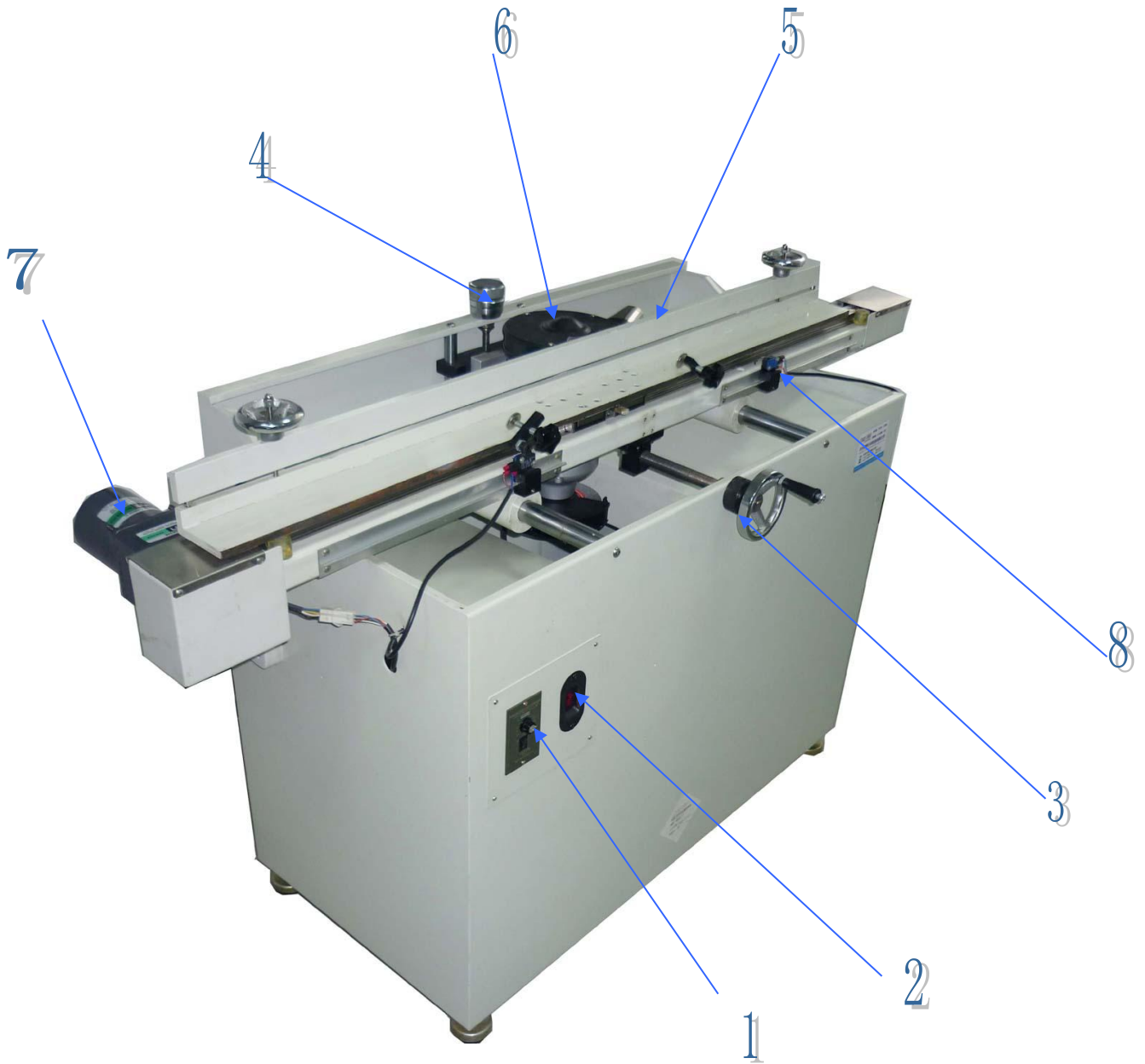


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- 1. speed regulator    2. grinding switch    3. adjusting hand wheel
- 4. lifting nut        5. scraper clamp        6. grinding wheel
- 7. Travel motor      8. Travel switch

## I. Overview

This machine is suitable for screen printing, domestic and imported scrapers, and is widely used in the screen printing industry, packaging, advertising, glass, ceramics, electronic accessories, and surface printing as scrapers.

The machine has novel shape, reasonable structure, large effective working area, full functions, simple operation, convenient maintenance and adjustment, high reliability, low energy consumption and high production efficiency.

## 2. Performance and characteristics

1. TX100 fully automatic scraper grinder is a special equipment for screen printing grinding.

2. This machine uses imported diamond grinding wheels and linear guide rails.

3. Special grinding design, high grinding precision, no extrusion between the grinding wheel and the scraper, no deformation of the scraper, and easy installation and disassembly of the grinding wheel;

4. The scraper is ground and smooth like new without any wave.

5. It can grind water-oil amphoteric scraper tip and flat scraper; grinding angle 0-90° to match the performance of various special printing products.

6. Easy to use/automatic tool movement/stable performance, stable grinding wheel speed and good grinding effect.

7. This machine can be equipped with a dust suction device to reduce industrial pollution, which is beneficial to the health of workers and the maintenance of equipment.

8. This machine is easy to operate and does not require professional skills.

## 3. Main technical indicators

1. Grinding motor: 0.37KW

2. Transmission motor: 0.12KW

3. Grinding size: 1000MM

4. Grinding angle: 0-90 °

5. Total power: 0.5KW
6. Main power supply: 220V 50HZ
7. Speed: 2850r/min
8. Front and rear fine adjustment: 0-8CM
10. Up and down fine adjustment: 0-10CM
11. Dimensions: 1550\*620\*1000mm (L\*W\*H)

#### IV. Main Institutions and Their Functions

##### 1. Aircraft structure

The machine body is solid, the structure is reasonable, the surface is painted, beautiful and corrosion-resistant.

##### 2. Power supply

The machine adopts two-phase electricity as its main power, which is convenient for placement, and the main control electrical components are imported and domestically famous brands.

##### 3. Itinerary

This machine adopts imported linear guide rails and round shaft slide rails, and the slide rails have the characteristics of high surface precision and wear resistance.

##### 4. Dust collection device

This machine adopts a high-power vacuum cleaner with a unique design, which can clean the dust thoroughly. The vacuum power can be selected according to the requirements.

##### 5. Grinding

This machine uses imported diamond grinding wheels, which grind in both forward and reverse directions to ensure high grinding quality;

#### 6. Voice control

This machine is cleverly designed, uses imported original parts, is noiseless, and provides everyone with a quiet working environment;

### 5. Equipment installation and commissioning

#### 1. Mechanical part

The machine should be placed in a ventilated, dry place without corrosive media;

#### 2. Transmission chain

The tightness is adjustable, and the adjustment can be made by removing the knife clamping platform;

#### 3. Electrical parts

When installing the machine, the commissioning personnel must carefully check whether each electrical component is loose or falling off, whether the wiring is correct and tight, and correct any problems in a timely manner;

### 6. Grinding machine operation steps

1. Clamp the scraper to be ground onto the platform, clamp and straighten it;

2. Turn on the transmission motor switch, and use the front and back fine adjustment to adjust the distance between the scraper and the diamond grinding wheel; make sure that the two ends of the scraper are in the same position as the diamond grinding wheel; if the scraper and the diamond grinding wheel are misaligned, adjust

the up and down fine adjustment;

3. Turn on the vacuum cleaner;

4. Turn on the grinding motor and grind according to the requirements;

5. The transmission motor speed can be increased at the beginning of grinding, and the speed should be slowed down when grinding the last cut; ensure that the scraper glue is smooth and wave-free;

6. During normal grinding, the thickness of the scraper should be kept between 0.1-0.3mm. If the scraper is too thick, the grinding motor may be blocked. In this case, the power should be turned off immediately and the grinding thickness of the scraper should be readjusted.

7. Turn off the transmission motor, then the grinding motor and the vacuum cleaner.

## 7. Repair and maintenance

1. The machine body and grinding wheel should be wiped regularly to keep the machine clean, and do not use sharp or hard iron objects to touch the diamond grinding wheel;

2. Regularly add lubricating oil to transmission gears, chains, guide rails, slide rails and bearings;

3. The electrical circuits inside the machine must not be changed at will;

4. Repair promptly if any fault occurs, and non-professionals are not allowed to dismantle or replace without authorization;

## 8. Notes

1. The machine should be placed flat and must not be inverted. The four legs should be raised and aligned to prevent uneven side placement from affecting the grinding quality.
2. Avoid moisture, pay attention to waterproofing and keep dry;
3. If any part of the machine is abnormally powered off during operation, the main power switch should be turned off immediately and the machine should be restarted after the fault is eliminated;
- 4. During normal grinding, the thickness of the scraper should be kept between 0.1-0.3mm. If the scraper is too thick at one time, the grinding motor may be choked. In this case, turn off the power immediately and readjust the grinding thickness of the scraper.**
- 5. If the grinding motor burns out due to improper operation, our company will not replace it for free.**