

Alcohol abrasion tester

RNM-02A

Operation

Manual

Foreword

Thank you for purchasing our testing machine.

This manual details the operating procedures, maintenance methods and simple troubleshooting and precautions for use.

Please read this manual carefully and follow the prescribed procedures to ensure that you can operate it smoothly every time. Please keep in mind the precautions to avoid machine failure due to improper human operation. Proper maintenance methods can extend the life of the machine .

All products of our company have passed strict quality control inspection before leaving the factory, you can use it with peace of mind, if you have any difficulties or problems, please contact our company directly .

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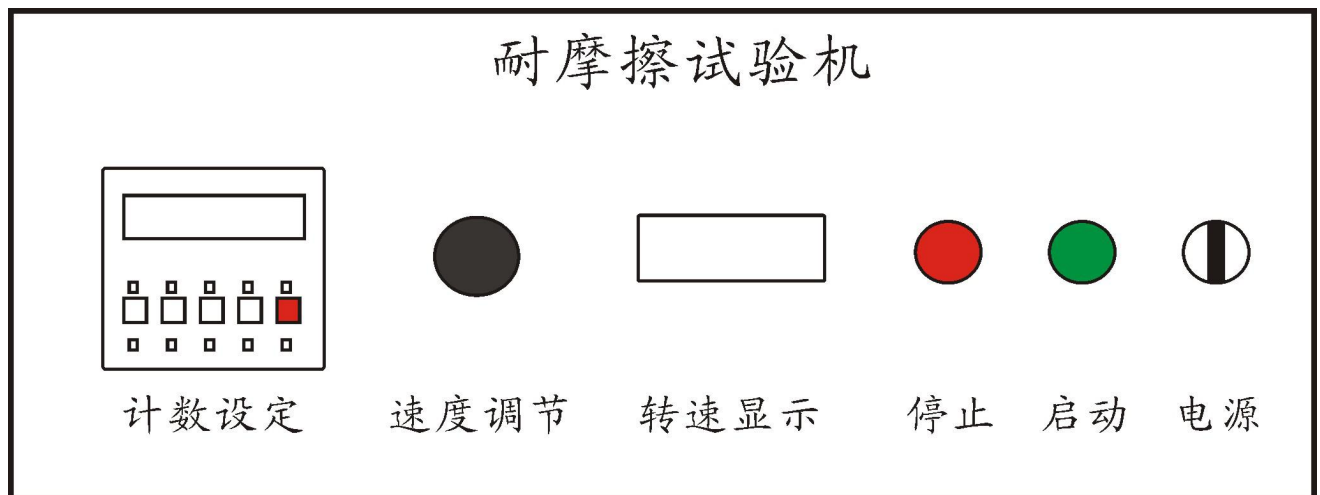
1. Overview

- (1) This machine is suitable for testing the abrasion resistance of various plastic products on the surface of oil-jet screen printing, such as computers, mobile phones, MP3, electronic dictionaries, etc.
- (2) This series of abrasion resistance testing machine uses motor drive to move the product's abrasion resistance sample, and judge the product's superiority by the number of times displayed on the digital display. This machine is equipped with three test fixtures: 45 degree pencil hardness test mark test fixture, eraser test fixture, alcohol test fixture. Two sets of test platforms are provided to test two different products at the same time.
- (3) The alcohol rubbing resistance testing machine is easy to operate, runs smoothly and has low noise, and is suitable for use by various quality inspection departments.
- (4) This instrument can meet the requirements of ISO, ASTM, GB, JIS, EN and other test methods.

2. Main technical parameters

project	specification
Maximum load on table	1.5kg
Load accuracy	±1%
Test weight load	50g, 100g, 200g, 300g, 500g each
Test area	2 stations, that is, two products can be tested at the same time (finished or semi-finished products)
Test speed	10 — 60 times/minute , adjustable and settable
Test itinerary	0 — 6 0mm round trip
Testing frequency	0 — 9999-bit counter (counter red display “ ×1 ” means test 1 count 1 time; “×10” means test 10 count 1 time ; “×1 0 0” means test 10 0 times count 1 time)
Action method	Motor drive
power	200W
power supply	AC 220V 50HZ
Machine weight	About 40kg

3. Panel operation instructions



From left to right, the keys are: count setting, speed adjustment, speed display, stop, start power。

Count setting, speed adjustment, speed display meter, stop, pneumatic, power switch

(The button on the right side of the counting setting instrument is the digital reset button)

4. How to use

- ① Place the instrument on a horizontal surface with a distance of 500mm from the surroundings ;
- ② Connect the power cord AC220V to ensure that the machine is properly energized;
- ③ Turn on the power switch (turn right);

- ④ Rotate the speed adjustment key to the minimum, left slow and right fast (note: this step is to protect the equipment motor life from being shortened due to too fast startup speed);
- ⑤ Adjust the test stroke: press the "start key" to observe whether the friction stroke meets the test requirements. If it does not meet the requirements, you can open the rear door of the chassis, loosen the butterfly nut on the flat dagger bar, automatically adjust the flat dagger bar, and make the friction stroke meet the test requirements.
- ⑥ Fix the product to be tested on the fixture, and replace it with a suitable test fixture head and weight according to the test requirements;
- ⑦ Setting the number of tests: first clear the counter, and then set the number of times (the red number on the counter $\times 1$ means test 1 counts once; red $\times 10$ means test 10 counts 1 time; red $\times 100$ means test 100 Count 1 times);
- ⑧ Press the "start button" to start the test, the device starts the test;
- ⑨ Adjust to the appropriate test speed (observe the speed through the speed indicator);
- ⑩ After reaching the set number of times, the machine stops automatically;
- ⑪ Remove the product for observation, turn off the power, and clean the countertop.

5. Maintenance instructions

① After each use of the equipment, the equipment test bench should be cleaned;

② Anti-corrosion measures should always be paid attention to the spray coating of the equipment to prevent corrosion, and anti-rust oil should be used on the outer surface of the equipment;

③ For long-term use of the testing machine, lubricating oil should be added regularly to the machine transmission parts;

④ The motor needs to be inspected and cleaned frequently. No dust can accumulate on the motor casing to affect the normal operation of the motor. When the motor is running, if there is a special noise surface temperature abnormality (temperature greater than 70 °C), it should be stopped immediately for inspection. If the bearing is damaged, it should be Replace in time; if the motor base fasteners are loose and displaced, they should be reset; if there is a lack of lubricating oil, calcium and sodium-based grease can be used to lubricate;

⑤ Do not arbitrarily disassemble and disassemble electrical components and equipment parts, so as not to damage the electrical control circuit, causing human failure of the equipment and affecting its performance;

- ⑥ When storing and using the equipment, there is no flammable, explosive and corrosive substances around;
- ⑦ The precision equipment of this machine should be operated and maintained by a dedicated person;