

# Automatic Scratch Tester for Coating & Paint

**Model: SR-113**

## Summary:

Automatic scratch tester is used for determination of paint and varnish or relating to the product of a single coating or meet resistance to scratches or cross through the performance of the coating system.



## Principle:

A test panel is clamped and slowly moved whilst a stylus or alternative tool scratches the surface. Depending on test procedures, specified or variable loads can be applied to obtain different degrees of failure, from trace to destruction. A voltmeter indicates the contact of the tool with the metallic sample substrate.

## Features:

- ◆ Large-screen LCD design, touch screen operation
- ◆ Chinese and English languages are optional
- ◆ Conductor substrate can intuitively display test results
- ◆ High hardness of the material of the needle - more durable
- ◆ Unique design of sample fixture -- with measuring tape
- ◆ Real-time curve shows the testing process

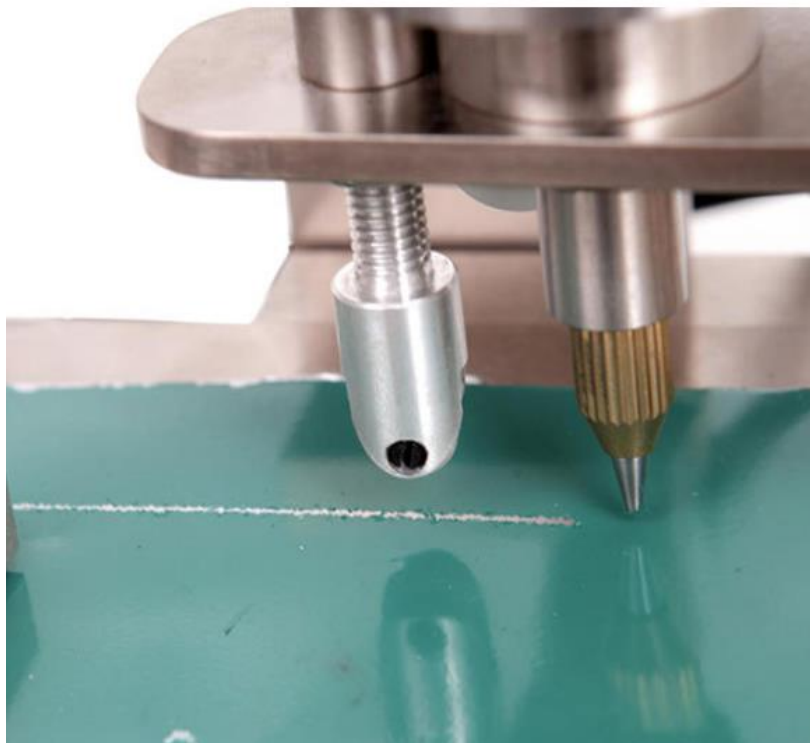
**Meet test standards:**

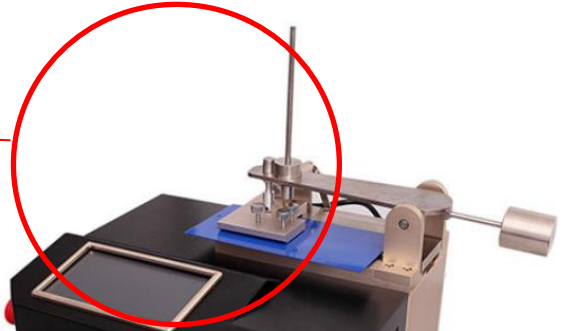
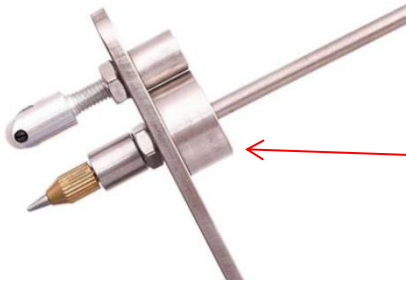
ISO1518, BS3900, ASTM D5178, ASTM D2197

**Specifications :**

Test speed	30~40 mm/sec
Test weights	50g~2500g
Diameter of hemispherical head	1±0.01mm
Machine size	500*400*450mm
Machine weight	About 30kg
Power supply	220V 50HZ or customize
Display	Touch screen display

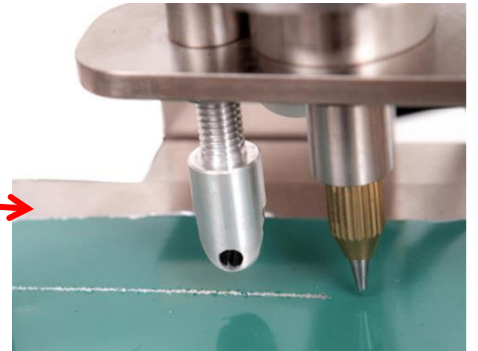
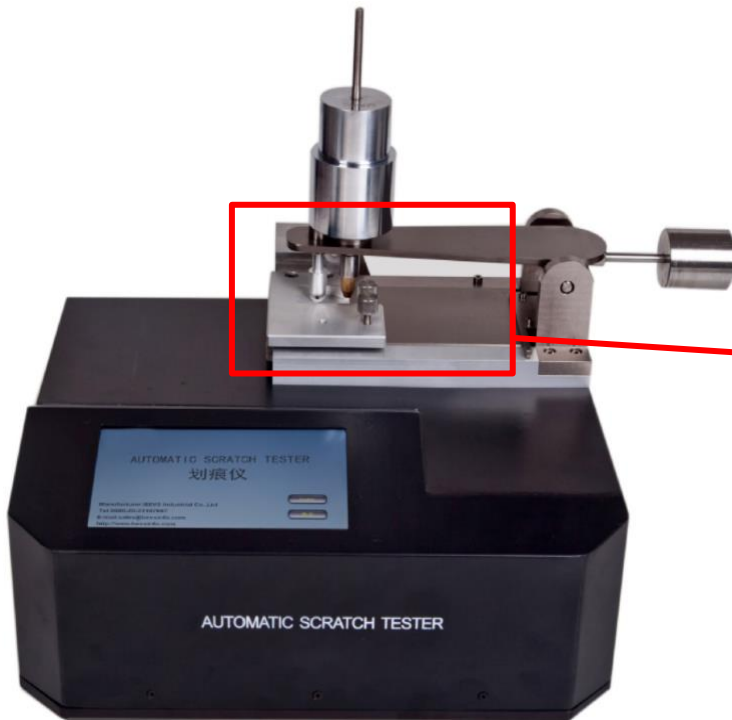
**More Imagines:**





**Needle optional**

- Needle A ( hemispherical metal head diameter  $1\pm 0.01\text{mm}$ )
- Needle B ( hemispherical metal head diameter  $0.5\pm 0.01\text{mm}$ )
- Needle C ( hemispherical artificial ruby head diameter  $1\pm 0.01\text{mm}$ )
- Needle D ( hemispherical artificial ruby head diameter  $0.5\pm 0.01\text{mm}$ )
- Needle E ( hemispherical tapered diamond diameter  $0.06\pm 0.005\text{mm}$ )



Working Distance 120mm / 100mm

Max. Panel Size : 200mm×100mm

Max. Panel Thickness : <math>< 1\text{mm}</math> or 12mm  
(according to the test standards)

**We accept customize for different requests**

**What we produce? (always accept customize)**

- |                              |                          |                                |
|------------------------------|--------------------------|--------------------------------|
| 1. Universal tensile testers | 2. Hardness testers      | 3. Environmental chambers      |
| 4. Mobile/Laptop testers     | 5. Paper&package testers | 6. Abrasion resistance testers |
| 7. Insertion force tester    | 8. Color testers         | 9. Rubber/plastic testers      |
| 10. Fabric testers           | 11. Wire testers         | 12. Other testers              |



**Professional packing**

Any interests, pls contact Tracy as following Online contact way, easy and fast!

**We have professional packaging teams and shipping forwarder to pack and deliver your products safely!**

- ❖ Out packing: Standard export wooden case.
- ❖ Inner packing: With careful stretch film wrap products, hard wood board + strong bandage to fix corners.
- ❖ Checking teams: Specialized staff to inspect and classified your goods.

