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## Scratch resistance testing machine for automotive interior materials L-NGC01

Release date : 2020-11-23

Test scratch resistance of automotive interior materialsL-NGC011. Purpose descriptionThis standard specifies the test methods for the scraping resistance of automotive interior materials.This standard

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## Test scratch resistance of automotive interior materials

### L-NGC01



### 1. Purpose description

This standard specifies the test methods for the scraping resistance of automotive interior materials.

This standard is applicable to the test of scratch resistance of all kinds of automotive interior materials, such as plastic, rubber, leather, fabric, including coated materials, non-coated materials and other composite materials.

## **2. Functional characteristics**

To simulate nails or other hard objects that may be touched in the use of materials, the scraping finger of different materials is adopted to act on the surface of the sample with certain pressure in accordance with the specified direction, stroke and speed. The scraping finger and the sample move in relative motion, producing one-way and non-reciprocating linear scratch marks and maintaining equality between the scratches. Assess the material's sensory grade of the scratch, the difference in color between the scraped and unscratched areas, or the minimum scraping force when the sample surface is damaged.

Scratch-resistant tester: it is composed of motor driving mechanism, scratch-resistant assembly, sample clamping and fixing device, etc. The scraper assembly includes a scraper bracket, a scraper finger, a designated scraping sleeve, a pressurizing device (weights and weight support rods), etc. The instrument can be installed with different specifications of the scraping finger, can implement uniform speed of one-way straight line scraping movement.

## **3. Parameter configuration**

Medium: metal five fingers scraping test, hundred grid scraping test (plastic scraping optional)

Range of stroke: 10-200mm adjustable (human-machine interface direct setting)

Speed: 10-200mm/s (direct setting of human-machine interface)

Three (1mm) heads of the Baige method

Bagged load weights 5N, 10N, 15N) each

Five-finger scraping method 1 set of 1mm grinding head (5 pieces)

Five-finger scraping method weights 7mm1 set (5 pieces)

Five-finger scraping weights: 2N, 3N, 7N, 8N, 12N each

## **Recommended**

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Automatic tool metallographic measuring instrument V400

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Automatic tool metallographic measuring instrument V800

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Automatic tool metallographic measuring instrument V1800

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Automatic tool metallographic measuring instrument V2000

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