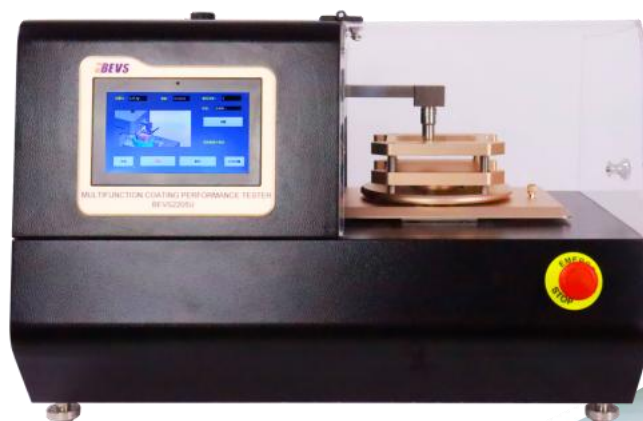




Multifunction Coating Performance Tester BEVS 2205U



Introduction	BEVS 2205U Multifunction Coating Performance Tester is an intelligent testing instrument developed entirely in-house. It integrates cross-cut, X-cut, scratch, pencil hardness, and linear abrasion testing into a single system. With both voice and touchscreen control, it provides accurate evaluation of coating scratch resistance, adhesion, surface hardness, and linear wear performance. It is designed to deliver reliable results and to support a wide range of professional testing needs.
Working Principle	After placing the test panel, it is automatically secured with a constant clamping force, followed by cross-hatch testing, pencil hardness testing, scratch testing, and linear abrasion testing, all performed with constant applied force.
Features	<ol style="list-style-type: none">1. 7-inch touchscreen with voice + touch dual control2. Multi-functional device with five testing modes3. High testing accuracy and broad compatibility4. Integrated design that saves laboratory space5. Effectively reduce labor costs
Main Function	<ol style="list-style-type: none">1. Manual loading/unloading with fully automatic clamping platform2. Fully automatic sample clamping platform3. Automatic platform rotation and movement4. Automatic load range adjustment5. Adjustable grid spacing and number of grids for cross-hatch tests6. Automatic data recording and saving7. Support generation of test reports
Technical Parameters	Test panel dimensions: L (150–200) × W (50–100) × H (0.2–20) mm Cross-cut spacing: 1 – 5 mm, adjustable Cross-cut angle: 0 – 90° Standard load range: 5 – 50 N Special load range: 1 – 10 N (optional) Cross-hatch speed: 2 – 20 mm/s Maximum cross-cut stroke: 100 mm Scratch stylus: Ø 0.5, 1.0, 2.0 mm Pencil hardness: 9B to 9H
Instrument Parameters	Dimensions: L 680 × W 400 × H 468 mm Power supply: AC 220V, 50/60Hz Power: 500W Total weight: 70KG
Packing list	Multifunction Coating Performance Tester ×1 Cross-cut testing module ×1 Pencil hardness testing module ×1 Scratch testing module ×1 Eraser abrasion testing module ×1

■ Standards

ASTM D 3359	Standard Test Methods for Rating Adhesion by Tape Test
ISO 2409	Paints and varnishes - Cross cut test
BS 3900 E6	Paints and varnishes - Cross cut test
GB/T9286-98	Paints and varnishes-Cross cut test for films
ASTM D3363	Standard Test Method for Film Hardness by Pencil Test
ISO 15184	Paints and varnishes — Determination of film hardness by pencil test

■ Ordering Info

BEVS 2205U	Multifunction Coating Performance Tester
BEVS 2205/P/010	Cross-cut testing module
BEVS 2205/P/020	Pencil hardness testing module
BEVS 2205/P/031	Scratch testing module
BEVS 2205/P/040	Eraser abrasion testing module