



Tabletop Fully Automatic Adhesion Master

BEVS 2216



Introduction	<p>BEVS 2216 Tabletop Fully Automatic Adhesion Master is a compact instrument with a small footprint. It can perform fully automatic crosshatch testing, clean crosshatch debris, apply and peel tape, and automatically assess the coating adhesion level. It complies with ASTM D3359 and ISO 2409 and is widely used across industries such as automotive, aerospace, shipbuilding, construction, and coatings manufacturing to evaluate the quality and durability of coatings.</p>
Working Principle	<p>After loading the sample, the device automatically performs crosshatch cutting with a constant force, followed by automatic air blowing and brush cleaning to remove crosshatch debris. It then automatically applies and peels off the tape, uses visual recognition to assess and determine the adhesion level, and records the performance related to the crosshatch test.</p>
Features	<ol style="list-style-type: none"> 1. 7-inch high-definition display for simple and easy operation 2. An innovative automatic adhesion master 3. Multifunctional design, saving laboratory space 4. Shortens the R&D, testing, and quality inspection cycles 5. High efficiency, effectively reducing labor costs
Main Function	<ol style="list-style-type: none"> 1. Manual loading and unloading; 2. Settable crosshatch spacing, with automatic crosshatch cutting at a constant force 3. Automatic cleaning of crosshatch debris, simulating manual tape application and peeling 4. Automatic assessment of adhesion level 5. Automatic data recording and storage 6. Automatic generation of test reports
Technical Parameters	<p>Sample size: L(120–150) x W(50–70) x H(0.2–7)mm Maximum sample size: 150 x 100 x 7mm(LxWxH) Crosshatch spacing: 1, 1.5, 2, 3mm Crosshatch angle: 0-90° Number of crosshatches: 1-11 Crosshatch speed: 5~80mm/s Crosshatch stroke: 30-60mm Imaging system resolution: 5472×3768 pixels</p>
Instrument Parameters	<p>Dimensions: 860×570×645mm(LxWxH) Power supply: AC 220V, 50/60Hz Power: 800W Total weight: 120KG</p>
Packing list	<p>Tabletop Fully Automatic Adhesion Master x1 Weights (50g x2, 100g x2, 200g x1, 500g x1, 1000g x1) Cross hatch test tape 3M (L65.8 x W25.4mm) x1</p>

■ Standards

ASTM D 3359	Standard Test Methods for Rating Adhesion by Tape Test
ISO 2409	Paints and varnishes - Cross cut test

■ Ordering Info

BEVS 2216	Tabletop Fully Automatic Adhesion Master
BEVS 2216/P/010	Weight set 2000g
BEVS 2216/P/020	Cross hatch test tape