



# AI Rotary Abraser

BEVS 2816



<b>Introduction</b>	Compliant with GB/T 1768 and ISO 7784-2 standards, BEVS 2816 AI Rotary Abraser is an instrument for determining the abrasion resistance of paints and varnishes, not only has the traditional functions, but also voice control and broadcast functions. It is widely used in wear resistance testing on leather, fillers, coatings, paper, floor tiles, plywood, glass, natural rubber, etc.
<b>Working Principle</b>	<p>The test specimen is placed on a rotating disc, using a specified type of abrasion wheel with a certain load applied. After reaching the specified number of rotations, the specimen is removed to observe its post-abrasion condition or to measure the weight difference between the specimen before and after the test.</p> <p>The abrasion index calculation formula is: Abrasion Index = (Weight Loss / Number of Rotations) x 1000</p>
<b>Features</b>	<ol style="list-style-type: none"><li>1. 4.3" Touchscreen, easy operation.</li><li>2. AI Voice Control + Touch control</li><li>3. Suitable for wear resistance testing of paints, varnishes, paper, plastics, textiles, etc.</li><li>4. Compatible with various abrasive wheels and media to meet different testing requirements.</li><li>5. Small footprint with smooth and quiet operation.</li></ol>
<b>Main Function</b>	<ol style="list-style-type: none"><li>1. AI voice control + Voice broadcast</li><li>2. Auto speed control and auto counting</li><li>3. Standard vacuum cleaner, automatically removes abrasive debris.</li><li>4. Data recording and analysis</li><li>5. Automatic reset</li></ol>
<b>Technical Parameters</b>	<ol style="list-style-type: none"><li>1. Specimen: Outer <math>\Phi</math>100mm, Inner <math>\Phi</math>8mm</li><li>2. Max specimen thickness: 12mm</li><li>3. Rotation speed: 1-99 rpm</li><li>4. Auxiliary weight: 250g, 500g, 750g</li><li>5. Marked weight: 500g, 750g, 1000g</li><li>6. Number of cycles: 1~9999</li></ol>
<b>Instrument Parameters</b>	<ol style="list-style-type: none"><li>1. Dimension: L350×W235×H200mm</li><li>2. Power supply: 220V/110V, 50/60HZ</li><li>3. Power: 150W</li><li>4. Total weight: 10KG</li></ol>
<b>Packing list</b>	AI Rotary Abraser ×1 Marked weights (500g, 750g, 1000g) ×2 Hold down ring (For holding soft substrates such as paper, cloth, etc.) ×1 CS-10 TABER Genuine abrasion wheel ×2 Round Glass Disk ( $\Phi$ 100 x $\Phi$ 8 x 3mm) ×10 Vacuum cleaner ×1

## ■ Standards

GB/T 1768	Paints and varnishes
ISO 7784-2	Paints and varnishes

## ■ Ordering Info

BEVS 2816	AI Rotary Abraser
BEVS 2816/P/010	Weights for Rotary Abraser (500g, 750g, 1000g) x 2
BEVS 2816/P/020	Hold Down Ring
BEVS 2816/P/030	CS-10 TABER Genuine Abrasion Wheel
BEVS 2816/P/040	Round Glass Disk ( $\Phi$ 100 x $\Phi$ 8 x 3mm, 100pcs/ctn)
BEVS 2816/P/050	Vacuum Cleaner