

Global Network

30K+ Clients



Headquarter

Address: Floor 3, Building A, No. 257 Junye Road,
Huangpu District, Guangzhou, 510530, China
Tel: +86-20-29038636
Fax: +86 20-89851362
Email: sales@bevsinfo.com

Shanghai

Address: Room 1125, 1st Floor, Xinzhuang Business
Building, No. 4999 Zhongchun Road, Minhang District,
Shanghai, China
Tex: +86 21-34537083
Fax: +86 21-64399843
Email: sales@bevsinfo.com

Hongkong

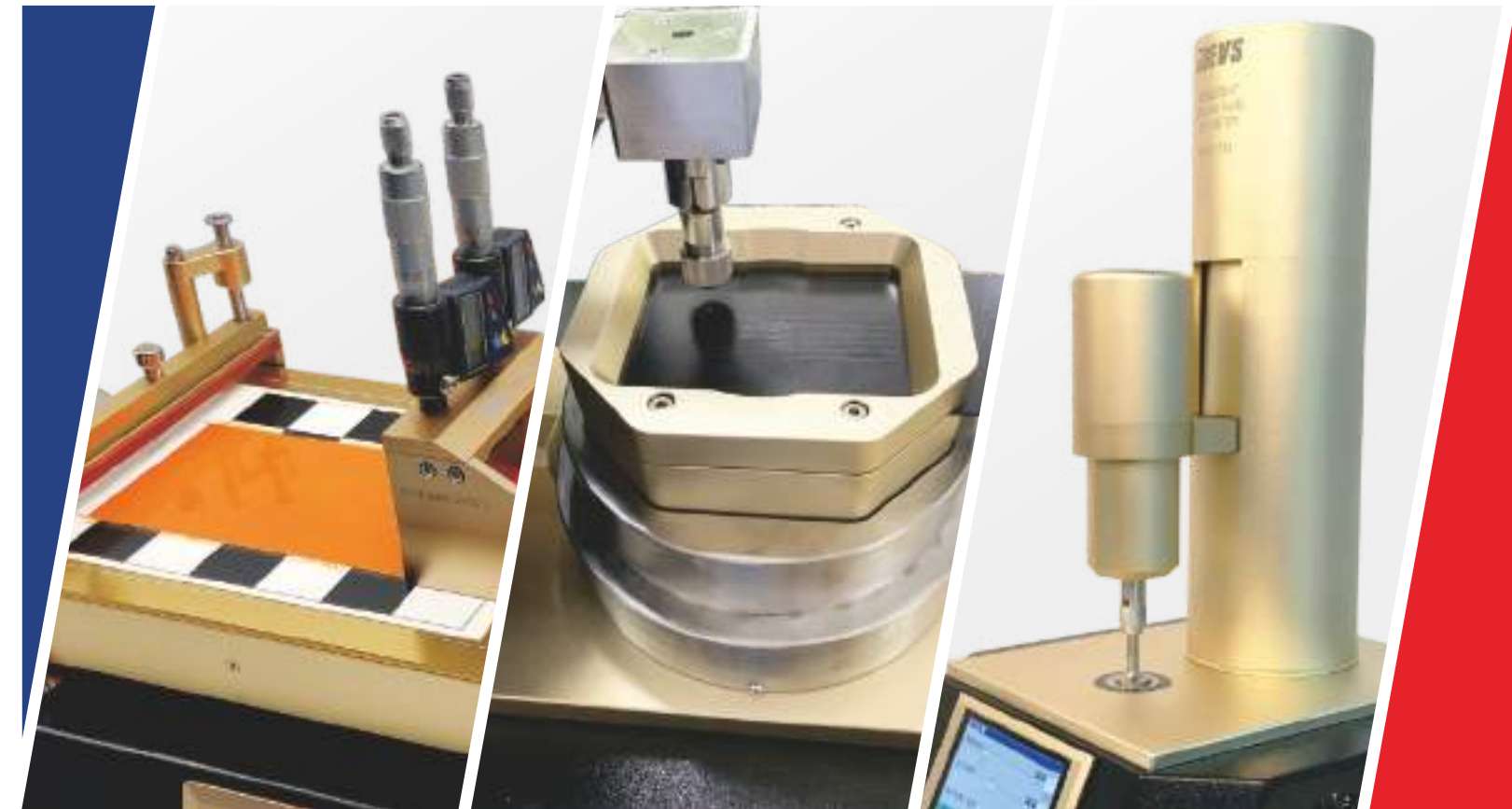
Address: Room 2009, 20/F, Hangbong Commercial
Centre, No. 28 Shanghai Street, Tsimshatsui, Kowloon,
Hongkong
Tel: 00852-94348583
Fax: 00852-81486056
Email: jackie@bevsinfo.com

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Version NO:
BEVS-C-2024V3

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Intelligent Testing Instruments For Paint Industry Chain

Intelligent | Automatic | IoT

www.bevsinfo.com

Company Profile >>



Time of Establishment:

January 2003



Professional R&D and Manufacturing:

Intelligent testing equipment and intelligent robotic testing and inspection system for paint and ink industry chain, new energy, new materials, biodegradation and other fields



Industry Innovator and Leader:

- ★ Patents:100+
- ★ The first to use advanced touch screen technology for all electronic product controls
- ★ Manufacture, R&D of intelligent robotic testing and inspection system



Enterprise Strength:

National high-tech enterprise
Specialization,refinement, characteristic and novelty enterpriseof Guangdong Province
Innovative enterprise of Guangdong Province



Service Area:

Universities,research institutes, manufacturing industry and testing industry cluster



Global Distributors:

80+ by the end of 2022



Global Customers:

30,000+ by the end of 2022

BEVS Industrial(Guangzhou) Co., Ltd



MISSION

Make R&D more efficient,
test more intelligent and
data more connected



VISION

Let customers love
products made in BEVS



VALUES

Passion and innovation,
continuous exploration



Application of Film



BEVS 1830

BEVS1806A with baffle
BEVS1806B without baffle



Adjustable Applicator
accuracy: 10µm, Accuracy: ±2µm
Range: 0~3500µm
Film width: 50/100/150/200/250/300mm

BEVS1806E with baffle
BEVS1806F without baffle



Digital Adjustable Applicator
accuracy: 1µm, Accuracy: ±2µm
Range: 0~3500µm
Film width: 50/100/150/200/250/300mm

Highlight

Film Application Kit

- Used for on-site film making and performance testing
- Including 22 products for viscosity, adhesion, fineness, etc
- Portable kit for users

BEVS 1801/50
BEVS 1801/75



Single Sided Applicator
Thickness: 50/75/100/125/150/200µm
Film width: 50/75mm

BEVS 1808/50
BEVS 1808/75



Single Sided Applicator
Thickness: 50, 100µm
Film width: 50/70mm

BEVS 1802



Two Sided Applicator
Thickness: 25/50, 75/100, 150/200, 300/400µm
Film width: 80mm

BEVS 1803/60
BEVS 1803/80



Four Sided Applicator
Thickness: 30/60/90/120, 50/100/150/200, 100/200/300/400, 300/400/500/600, 5/10/15/20, 25/50/75/100µm. Film width: 60/80mm

BEVS 1817



Eight Sided Applicator
Thickness: 25/50/75/100/125/150/175/200µm
Film width: 60mm

BEVS 1805



Cube Applicator
Thickness: 37/75, 50/100µm
Film width: 16/41mm

BEVS 1819



Four Sided Applicator With Reservoir
Thickness: 37/75, 50/100µm
Film width: 16/41mm

BEVS 1807



Rhombus Four Sided Applicator
Thickness: 30/60/90/120µm
Film width: 80mm
Accuracy: 2µm

BEVS 1809



Sagging Applicator
Division: 25µm
Film width: 6mm, groove gap: 1.5mm
Range: 50~1000µm

BEVS 1810



Levelling Applicator
Range: 100-200-300-500-1000 µm
250-500-1000-2000-4000 µm

BEVS 1122



Payne Permeability Cup
Material: aluminium alloy
Exposed area: 10/25cm²

BEVS 2902/05
BEVS 2902/13



Hiding Power Chart
Size: 250X180mm
Packing: 500pcs/box

Application of Film

BEVS 1818G



Mini Auto Film Applicator
Coating platform: Glass bed
Speed: 1~200mm/s
Coating size: L250×W200mm

BEVS 1818V



Mini Auto Film Applicator
Coating platform: Vacuum bed
Speed: 1~200mm/s
Coating size: L250×W200mm

Highlight

Mini Auto Film Applicator

- Coating platform: Vacuum bed with heating
- Temp.: RT~150°C, 5°C/min
- Speed: 1~200mm/s
- Coating size: L250×W200mm
- Size: L490×W300×H290mm



BEVS 1818H

BEVS 1818GV



Mini Auto Film Applicator
Coating platform: Glass bed+Vacuum bed
Speed: 1~200mm/s
Coating size: L250×W200mm

BEVS 1818S
(Not changeable bed)



Mini Auto Film Applicator
Coating platform: Glass bed
Speed: 1~200mm/s
Coating size: L240×W200mm



BEVS 1811G

New

Auto Film Applicator

- Coating platform: Glass bed
- Speed: 1~350mm/s
- Coating size: L455×W300mm
- Size: L490×W300×H290mm

BEVS 1811GV



AI Film Applicator
Coating platform: Glass bed+Vacuum bed
Speed: 1~350mm/s
Coating size: L455×W300mm

BEVS 1811/1



Auto Film Applicator
Coating platform: Glass bed
Speed: 10~140 / 50~300 mm/s
Coating size: L380×W300mm

BEVS 1811/2




Auto Film Applicator
Coating platform: Vacuum bed
Speed: 10~140 / 50~300 mm/s
Coating size: L380×W300mm

BEVS 1811/3:RT~150°C
BEVS 1811/5:RT~200°C




Auto Film Applicator
Coating platform: Vacuum bed with heating
Speed: 10~140 / 50~300 mm/s
Coating size: L380×W300mm

BEVS 3231



Auto Panel Spray Station
Spray panel: MAX 500x200mm
Spray pressure: 0.1~0.5 Mpa
Dimension: 1500x1300x2320mm

BEVS 3236




Auto Panel Spray Station
Spray panel: MAX 150x150mm
Spray pressure: 0.1~0.5 Mpa
Dimension: 1000x950x2300mm

Highlight

Automatic Panel Sprayer

- Spray panel: MAX 450×300mm
- Spray pressure: 0.1-0.5 Mpa
- Dimension: 955x550x1200mm



BEVS 1828/1826

BEVS 3232



EXP Auto Panel Spray Station
Spray panel: MAX 500×250mm
Spray pressure: 0.1~0.5 Mpa
Dimension: 1500x1300x2320mm

BEVS 1829



EXP Auto Panel Sprayer
Spray panel: MAX 300×300mm
Spray pressure: 0.1~0.5 Mpa
Dimension: 1150 x750x1200mm



BEVS 3232F

New

3D EXP Auto Panel Sprayer

- Spray panel: cylindrical (d:50~300mm,H:50~420mm) square(L:50~300mm,W:50~300mm)
- Dimension: 1050x600x1200mm

Adhesion

BEVS 2216



New

Tabletop Fully Auto Adhesion Master

- Test panel dimensions: (120 ~ 150)x(50 ~ 100)x(0 ~ 7)mm, LxWxH
- Cutting interval: 1, 1.5, 2, 3mm
- Operation pressure: 0.5 ~ 0.7Mpa

Highlight

Multifunction Coating Performance Tester

- Functions: scratch, cross cut, pencil hardness, linear abrasion;
- Fully automatic operation
- Testing parameters are adjustable

BEVS 2205



BEVS 2211

Auto Cross Cutting Tester

- Application: Single blade grid cutting, Salt spray test scratch sample
- Load: 1 ~ 40N
- Cut angle: 0 ~ 90°
- Cut lines: 1 ~ 11
- Cut spacing: 1 ~ 4mm



Auto Pull Off Adhesion Tester

- Real time display of drawing rate chart
- Measure environmental temperature and humidity
- Units: MPa, psi, N
- Range: 0.4 ~ 200MPa
- Dolly dis.: 7, 10, 14, 20, 50 mm



BEVS 2201

BEVS 2201ATV

Adhesion Tester Verifier

- Real time reading
- Units: MPa, psi
- Range: 0 ~ 100Mpa
- Resolution: 0.01Mpa
- Accuracy: ± 0.5% of full scale



Auto Bond Strength Tester

- Automatically load tests
- Automatic reset
- Unit: MPa, psi
- Adhesive strength: 0 ~ 10 Mpa
- Speed: 0.2 ~ 0.4Mpa/s
- For building industry



BEVS 2209

BEVS 2202



Cross Hatch Cutter

Cutting edge: 8
Spacing: 1/1.5/2/3 mm

BEVS 2206



Cross Hatch Basic Cutter

Cutting edge: 1
Angle: ±8°
Spacing: 1/1.5/2/3 mm

BEVS 2203



Multi-hatch Gauge

Applicable for testing: cross cut, wet film thickness, Sharp corner edge roughness

BEVS 2213



Hatch Gauge

Suitable for testing: cross cut
With a T-shaped positioning window

Curing / Drying

BEVS 1812



New

AI Minimum Film Forming Temperature Master

- Temperature Range: -10°C ~ 65°C;
- Number of samples: 6 groups
- Width of samples: 16mm
- Accuracy: ±1%

BEVS 1813
BEVS 1813S



Drying Time Recorder

Track: 6 (3 set)
Auto reset
Auto reading result

BEVS 1815



Drying Time Recorder

Track: 10 (5 set)
Manual reset
Read result via ruler

BEVS 2301
BEVS 2311



Oven Loggermaster

Channel: 6/12
Temp. range: 0 ~ 1300°C
Accuracy: ±0.3°C

BEVS 2308 BEVS 2303
BEVS 2305 BEVS 2304
BEVS 2302 BEVS 2312



Insulation box

Duration: 100°C@25min, 200°C@200min
250°C@60min, 300°C@65min
500°C@60min, 800°C@50min

BEVS 1506



Bench Glossmeter

Measurement angle: 60 °
Measurement range: 0 ~ 2000GU
Measurement area: 2X2mm

BEVS 1503: 20°, 60°, 85°
BEVS 1503/1: 20°
BEVS 1503/2: 60°
BEVS 1503/3: 85°



Intelligent Glossmeter

Measurement angles: 20 °, 60 °, 85 °
Measurement range: 0 ~ 2000GU

BEVS 1501U



60° Glossmeter

Measurement angle: 60 °
Measurement range: 0 ~ 1000GU

BEVS 1201/5



Color Assessment Cabinet

- Light source: Five light sources
- Light source types: D65, TL84, CWF, F, UV
- Automatic switching of light source
- Display the single use time and total time of each light source

BEVS 3212



BEVS 1201/6



Color Assessment Cabinet

- Light source: Six light sources
- Light source types: D65, TL84, CWF, F, UV, U30
- Automatic switching of light source
- Display the single use time and total time of each light source

Highlight

Non Contact Auto Color Measurement Machine

- Non contact design reduces collisions and scratches
- Can quickly detect multiple samples at once
- Accuracy: Δ E * ab < 0.2, single detection time: 0.2S.

Hardness

Pencil Hardness Tester
Tip load: 500/750/1000 g
Angle: 45°
With pencil set (6B~6H)

Electric Pencil Hardness Tester
Auto run
Load: 500~1000g
Speed: 0.5~5.5mm/s

Buchholz Indentation Tester
With locator and HD microscope
Load: 500 ± 5 g
Magnification: 20x

Pencil Hardness Test Platform
For: BEVS 1301, BEVS1309
Panel thickness: 0-5mm
Panel length: 50~150mm

Intelligent Pendulum Hardness Tester

- Fully automatic control
- Compatible with K-pendulum and P-pendulum;
- Real time monitoring

Auto lever mechanism

Deformation

Cylindrical Mandrel Bend Tester
Sample width: MAX 70/100mm

Conical Mandrel Bend Tester
Maximum sample size: 200X100mm
Application: Flexibility testing

Auto Cylindrical Bend Tester
Bending times: 1~99999 times
Speed: 10~60rpm
Sample thickness: 0.3-1mm

Auto Cupping Tester
Camera system
Maximum force: 15KN

Impact Tester
Weight of indenter: 8.9N (2 pounds)/17.8N (4 pounds)
Tube height: 63.6cm/10.1.7cm
Compliant with standards: ASTM D2794, BS 6496

Impact Tester
Weight of indenter: 1kg
Tube height: 50cm/100cm
Compliant with standards: ISO6272, BS3900, DIN55669

Impact Tester
Weight of indenter: 1kg
Tube height: 50cm/100cm
Compliant with standard: GB/T 1732

Abrasion, Scrub / Washability

Rotary Abraser

- Specimen: Φ 130mm , φ8mm
- Rotation speed: 10-100 r/min
- Test load: 250/500/1000 g
- Cycles: 1~9999

Multifunction Abraser

- Replace the fixture head and sample platform for compatibility testing with different standards;
- Adjustable stroke and speed;
- Suitable for testing coatings, plastics, decorative fabrics, automotive interiors, and velvet fabrics.

AI Wet Abrasion Scrub Tester

- Speed: 10~99 times/min
- Cycles: up to 99999
- Thickness of test panel: 0~25 mm
- Brush: 1~2 pcs

Scratch Tester
Sample size: 100 x 150mm
Sample thickness: MAX 1.6mm
Test coating thickness: 0.3mm

Auto Scratch Tester Plus
Stroke length: 40-120mm
Speed: 1-50mm/s
Spacing: 5-10mm

Complex Scratch Tester
Shape and radius of the needle (mm):
(Sharp) 0.03, (Ball) 0.25, (Ball) 0.5
Sample size: MAX 200 x 100 x 12mm

Linear Abraser
Speed: 20-99 spm
Sample height: MAX 14.5cm

Wet Abrasion Scrub Tester
Channel: 1-2
Running speed: 10-40 spm
Control module: 1 driver

Wet Abrasion Scrub Tester
Channel: 1-4
Speed: 1-65 spm
Control module: 2 drivers, independent/ simultaneous running

Vertical Wet Abrasion Scrub Tester
Number of rolling brushes: 1-4
Speed: 0-200spm, forward/reverse rotation
Sample size: 200X150mm

Detergent Washability Tester
Speed: 37 ± 1spm
Four slots can be flipped 180 degrees
Application: washability

Auto Heating Abrasion Tester
Temperature range: RT~300 °C
Test stroke: 30/60/90mm
Speed: 20-190 spm

Coin Scratch Tester
Pressure on coin (without weight): 1000g
Pressure on coin (without weight): 1500g
Size: 112X81X95mm

Brush
Standards: ASTM D2486, D3450, D5213; DIN53778; GB/T9755, GB/T9756, GB/T9780.

Weathering Testing

BEVS 3366



New

Tabletop Xenon Aging Tester

Features

- 7" touch screen, easy operation;
- Advanced air-cooled xenon lamps for excellent simulations;
- Controllable inner box temperature, BPT/BST;
- Automatic control of light irradiance.

Technical info.

- Air-cooled xenon lamp: 1800W
- Exposure area: 1200 cm²
- Irradiance: 300-400nm, 340nm, 420nm
- BPT: Light cycle 45-90°C, Dark cycle 25-50°C

BEVS 3380



Multifunction UV Weather Tester

- Total power: 2kw
- Light source: UVA-340 / UVB-313
- Lamp No.: 40W x 8
- Rated life of lamp: 2000h

BEVS 3310



Intelligent Multifunctional Salt Spray Tester

- Chamber capacity: 800L,
- Heating via Titanium tube heater
- Humidity range: 20%~95%, accuracy $\pm 5\%$
- Temperature range: Ambient to $65 \pm 2^\circ\text{C}$
- Test panel bracket: Two layers, 12 positions in total

BEVS 3370



Multifunction Aging Chamber

- Xenon lamp aging tester and salt spray tester in one
- Lamp power: 6.5kw
- Lamp shape: Long arc
- Lamp cooling: deionized water
- Lamp life: 3000~4000h

BEVS 3360



Intelligent Xenon Aging Tester

- Xenon lamp: 6.5kw
- Lamp shape: Long arc
- Cooling: deionized water
- Lamp life: 3000~4000h

Intelligent Station

BEVS 3233S

Auto Coating Performance Testing Workstation

Features

- Industry first multi-coating performance testing workstation
- Adopting test panel QR code management system
- Automatic loading and unloading, automatic code scanning
- Automatic measurement of film thickness, gloss
- Automatically complete cross cut test and cupping test
- Automatic recognition and judgment of test results
- Compatible with a wide range of test panels

Technical info.

- Image system resolution: 5472×3768 pixels
- Maximum test panel size: 150×100×7mm, LxWxH
- Thickness measurement range: 1~1000 μm , $\pm 1\%$
- Gloss measurement angle: 20°, 60°, 85°
- Cross-cut spacing: 1, 1.5, 2, 3mm
- Indenter speed: 0.02~0.4mm/s, $\pm 0.5\%$
- Test panel storage capacity: 50~300 PCS



BEVS 3229U

Full Automatic Coating Testing Station

Features

- The industry's first image detection coating defect system
- Automatic loading and unloading
- Automatic storage of wire bars and test panels
- Fully automated coating performance testing
- Support customization of multiple testing items

Technical info.

- Dry film thickness accuracy: $\pm (2\mu\text{m} + 2\%, \text{Read value})$
- Contact angle accuracy: 0.1°
- Visual recognition accuracy: 0.02mm



Intelligent Station



BEVS 3230

Intelligent Coating Formulation Station

- Adopting a mobile workstation system design, remote control, and real-time monitoring;
- Can be automatically completed according to needs: precise distribution of materials, online mixing and stirring;
- Online pH blending and viscosity control, without the need for manual intervention throughout the entire process;
- Formula preparation can be automatically performed multiple times by setting the amount of formula change;
- Support automatic output of experimental reports.

BEVS 3226

Intelligent Panel Coating Station

- Automatic loading and unloading, automatic storage of test plates, fully automatic control of dual axis (X, Y) movement;
- Support one click calling of custom spraying mode, displaying current experimental parameters in real-time;
- Real time monitoring of humidity, temperature, and VOC gas concentration in the internal environment;
- Compatible with multiple coatings, can quickly replace 10 different coatings.



BEVS 3228N

Intelligent Robotic Coating Station

- Adopting the latest facial recognition technology, real-time encrypted data transmission;
- Automatic loading and unloading, automatic storage of wire rods and test plates;
- Robot automatic coating, with higher consistency and stability;
- Multiple film making modes are available, with 5 substrates automatically coated in one continuous process;
- Compatible with 10 different specifications of wire rods and 10 different coatings.



Intelligent Testing And Inspection System

The BEVS System is a comprehensive experimental platform based on web technology and mature LIMS, with BEVS intelligent stations as the core. It is suitable for both research and service-oriented business organizations, as well as applications in process industry, quality assurance, quality control, and job organization.

This system consists of five stations: intelligent raw material storage workstation, intelligent formula preparation workstation, intelligent film making workstation, intelligent drying workstation, and intelligent performance testing workstation, with high integration and scalability. A single workstation can work independently and complete one or more experimental projects. Multiple workstations can be quickly combined and assembled to complete more intelligent and automated laboratory testing.

This system realizes intelligent and automated sampling and testing of various properties of related products such as coatings, inks, resins, etc. It is fully automated from raw material input to product output, improving detection efficiency by more than 100%, greatly reducing manual operations and differences, and improving repeatability and reliability.

