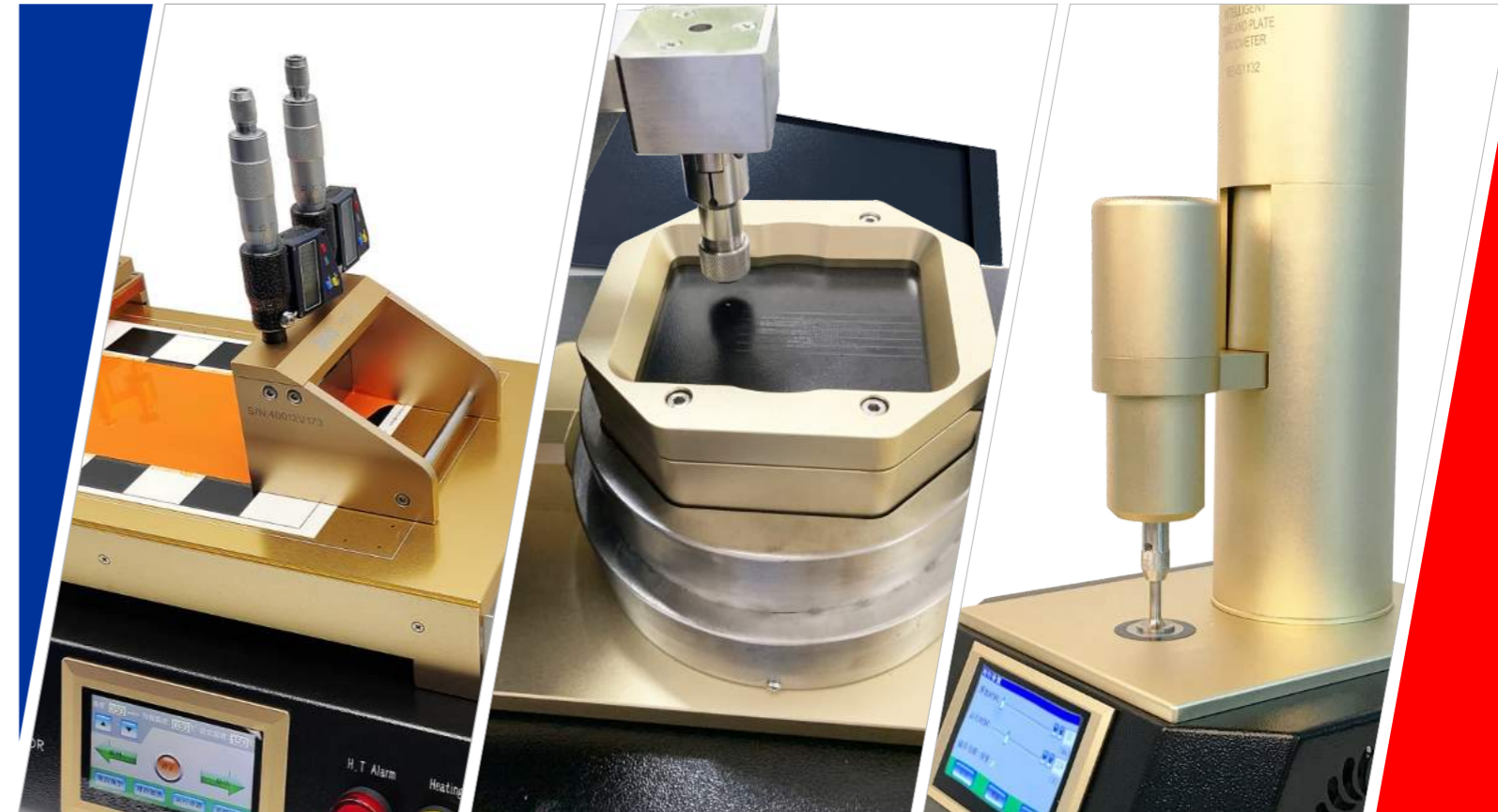


Global Network



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Intelligent Testing Instruments For Paint Industry Chain

Intelligent | Automatic | IoT



Dispersion



Intelligent Mixer
750W,500~12000rpm,300mm
Vessel:1.5/3.5/10 L
Auto



Laboratory Mixer
550W,30~9000rpm,210mm
Vessel:1.5/3 L
Manual



Laboratory Mixer
550W,30~9000rpm,250mm
Vessel:0.5/1.5 L
Manual



Laboratory Mixer
750W,60~6000rpm,280mm
Vessel:0.5/1.5 L
Manual



Laboratory Mixer
1.1KW, 60~5500rpm,330mm
Vessel:3.5/10 L
Auto



Laboratory Mixer
1.5KW,60~6000rpm,400mm
Vessel:5/10/20 L
Auto

Density / Grinding



Automated Particle Analyzer

Automatically analyze particle distribution and fineness results;
Automatic drawdown, built-in high-definition scanning camera
Measurement range: 0-200 μm , accuracy: $\pm 5\%$.

BEVS 3168



Automatic Drawdown Master

With light source, compatible with scrapers and film applicators/Load, stroke, and speed can be adjusted

BEVS 1821
BEVS 1821S



Pressure Density Cup

Volume: 100ml
Test pressure: 10bar
Made of stainless steel

BEVS 2103



Specific Gravity Cup

Volume: 50/100/83.3 ml
Accuracy: $\pm 0.2\%$ (15°C~25°C)

BEVS 2101
BEVS 2102



Scraper

Size: 90x40x6 mm
Material: stainless steel

BEVS 1907

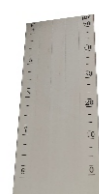
Grind Gauge



Single Channel

Range: 10/15/25/50/100 μm
Division: 1/1.5/2.5/5/10 μm
Size: 175x65x13 mm

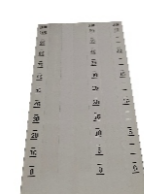
BEVS 1903



Double Channel

Range: 15/25/50/100 μm
Division: 1.5/2.5/5/10 μm
Size: 175x65x13 mm

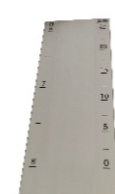
BEVS 1908



Triple Channel

Range: 25/50/100 μm
Division: 2.5/5/10 μm
Size: 175x85x13 mm

BEVS 1905



Wide Single Channel

Range: 25/50/100 μm
Division: 2.5/5/10 μm
Size: 175x65x13 mm

BEVS 1906

Application of Film



Mini Automatic Film Applicator

Speed: 1~200mm/s
Stroke length: 0~250mm
Coating size: 320x220mm

BEVS 1818G
Glass bed
(Can change to vacuum bed)



Mini Automatic Film Applicator

Speed: 1~200mm/s
Stroke length: 0~250mm
Coating size: 320x220mm

BEVS 1818V
Vacuum bed



BEVS 1818H
Vacuum bed with heating



Mini Automatic Film Applicator

Speed: 1~200mm/s
Stroke length: 0~250mm
Coating size: 320x220mm

BEVS 1818GV
Vacuum and glass bed, interchangeable



Mini Automatic Film Applicator

Speed: 1~200mm/s
Stroke length: 0~240mm
Coating size: 320x220mm

BEVS 1818S
Glass bed
(Not changeable bed)

Highlight

Mini Automatic Film Applicator

Temp.: Ambient+5°C~+150°C

Coating size: 320x220mm

Speed: 1~200mm/s

Stroke length: 0~250mm



Automatic Film Applicator

Speed: 1~350mm/s
Stroke length: 0~455mm
Coating size: 455x300mm

BEVS 1811GV
Glass and vacuum bed, interchangeable



Automatic Film Applicator

Speed: 10~140 / 50~300 mm/s
Stroke length: 0~380mm
Coating size: 420x300mm

BEVS 1811/1
Glass bed



Automatic Film Applicator

Speed: 10~140 / 50~300 mm/s
Stroke length: 0~380mm
Coating size: 420x300mm

BEVS 1811/2
Vacuum bed



Automatic Film Applicator

Speed: 10~140 / 50~300 mm/s
Temp.: Ambient~150°C / Ambient~200°C
Coating size: 420x300mm

BEVS 1811/3
BEVS 1811/5
Vacuum bed with heating



Automatic Panel Spray Station

Spray panel: MAX 150x150mm
Speed:
X: 10~600mm/s, Y: 10~100mm/s

BEVS 3236



EXP Automatic Panel Spray Station

Spray panel: MAX 500x250mm
Speed:
X: 10~600mm/s, Y: 10~100mm/s

BEVS 3232



BEVS 3231



Automatic Panel Sprayer

Spray panel: MAX 450x300mm
X: 50~300mm/s, Y: 1~30mm/s,
Z: 50~300mm/s,

BEVS 1828



EXP Automatic Panel Sprayer

Spray panel: MAX 300x300mm
X: 20~500mm/s, Z: 10~200mm/s
EXP level: Ex d IIB T4 Gb

BEVS 1829

One button start

Automatic Panel Spray Station

Adopting intelligent programming spraying technology, dual axis automatic spraying, with no cleaning design;
Sample movement speed: X-axis 10~600mm/s, Y-axis 10~100mm/s;
Spray panel: MAX 500x200mm, or 6 standard panels 150x100mm

Application of Film



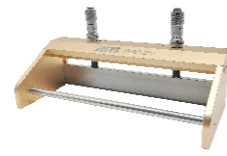
Highlight

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 1830

BEVS1806A with baffle
BEVS1806B without baffle



Adjustable Applicator
Range: 0~3500 μ m, accuracy: 10 μ m;
Film width: 50/100/150/200/250/300 mm

BEVS1806E with baffle
BEVS1806F without baffle



Digital Adjustable Applicator
Range: 0~3500 μ m, accuracy: 1 μ m;
Film width: 50/100/150/200/250/300 mm

BEVS 200
BEVS 320



Bar coater
Film width: 200 / 320mm
Thickness: 4,6,8,10,12,15,20,25,30,40,50,
60,70,80,100,120,150,200 μ m

BEVS 200/S



Bar coater handle
For BEVS 200

BEVS 1801/50
BEVS 1801/70



Single Sided Applicator
Film width: 50 / 75mm
Thickness: 50,75,100,125,150,200 μ m

BEVS 1802



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

BEVS 1808/50
BEVS 1808/75



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

BEVS 1803/60
BEVS 1803/80



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

BEVS 1817



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

BEVS 1805



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

BEVS 1819



Four Sided Applicator With Reservoir
Film width: 60 / 80mm
Thickness: 30/60/90/120, 50/100
/150/200 μ m

BEVS 1807



Rhombus Four Sided Applicator
Film width: 80mm
Thickness: 30/60/90/120 μ m

BEVS 1809



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

BEVS 1810



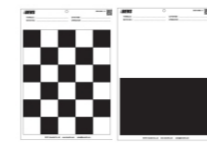
Levelling Applicator
Range:
100-200-300-500-1000 μ m
250-500-1000-2000-4000 μ m

BEVS 1122



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

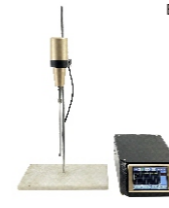
BEVS 2902/05
BEVS 2902/13



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

Viscosity

BEVS 1135
BEVS 1136



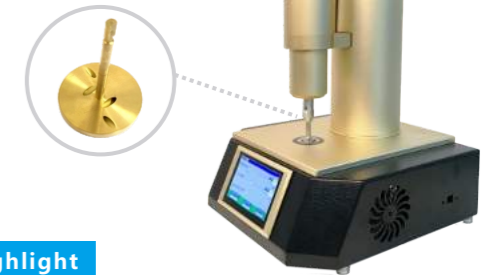
Online Krebs Viscometer
Easy operation
Units: KU, g, cP
Range: 27~5274cP

BEVS 1131



Intelligent Rotothinner
Auto up/down
Units: cP
Range: 0.1~36000cP

BEVS 1132



Highlight

Intelligent Cone and Plate Viscometer

Using high-precision DC motors;
Real time display of shear rate, curve;
Viscosity range: 0.1~10000cp,
Temperature range: 5~75 °C;
Speed: 100-1500rpm, shear rate: 333-20000s⁻¹.

BEVS 1133



Intelligent Krebs Viscometer
Manual
Units: KU, g, cP
Range: 27~5274cP

BEVS 1112U



Intelligent Krebs Viscometer
Auto up/down
Units: KU, g, cP
Range: 27~5274cP

BEVS 1118



Afnor Cup

BEVS 1106



ISO Cup

BEVS 1101



Ford Cup

BEVS 1102



Cup Stand

BEVS 1107



Zahn Cup

BEVS NK-2



Iwata Cup

BEVS 1109



Frikmar Cup

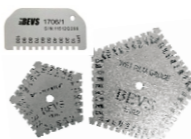
BEVS 1108



DIN Cup

Thickness

BEVS 1701/1
BEVS 1701/2
BEVS 1706



Wet Film Gauge
1701/1 range: 20~350 μ m
1701/2 range: 25~2700 μ m
1706 range: 10~100 μ m

BEVS 1701/3



Wet Film Gauge (Aluminum)
Range: 25~2000 μ m

BEVS 1702



Wet Film Thickness Wheel
Range: 25/50/100/200/300/500/1000 μ m

BEVS 1707



Paint Inspection Gauge
Range: 45°: 20~1800 μ m
63.4°: 10~900 μ m
84.3°: 2~180 μ m

Curing / Drying



BEVS 1812

BEVS 1813
BEVS 1813S

BEVS 1815



Drying Time Recorder

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



Drying Time Recorder

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



BEVS 2301
BEVS 2311

Oven Loggermaster

Probe: 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

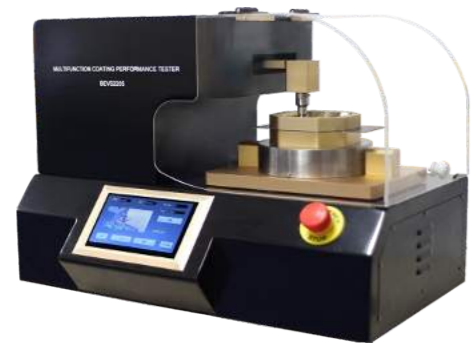
Duration: 100°C@25min, 200°C@200min,
250°C@60min, 300°C@65min,
500°C@60min, 800°C@50min

NEW

Minimum Film Forming Temperature Master

Test products: paint, coating, resin, lotion;
Intelligent control of gradient temperature
Temperature range: -10°C~ +65°C

Adhesion



BEVS 2205

BEVS 2201

BEVS 2201ATV



Automatic Pull Off Adhesion Tester

Units: MPa, psi, N
Range: 0.4~200MPa
Dolly dis.: 7, 10, 14, 20, 50 mm



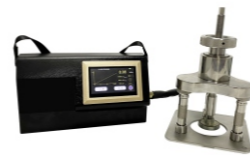
Adhesion Tester Verifier

Real time reading
Range: 0~100Mpa



Automatic Cross Cutting Tester

Load: 1~40N
Cut angle: 0~90°
Cut lines: 1~11



Automatic Bond Strength Tester

Unit: MPa, psi
Speed: 0.2~0.4Mpa/s
For building industry

Multifunction Coating Performance Tester

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



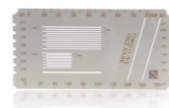
Cross Hatch Cutter

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



Cross Hatch Basic Cutter

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



Multi-hatch Gauge

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



Hatch Gauge

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

BEVS 2211

BEVS 2209

BEVS 2202

BEVS 2206

BEVS 2203

BEVS 2203C

Hardness



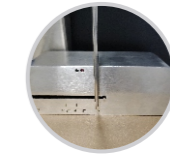
Pencil Hardness Tester

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



Auto release module



Highlight

Intelligent Pendulum Hardness Tester

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



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

BEVS 1303

BEVS 1321

Gloss / Color



Bench Glossmeter

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



Intelligent Glossmeter

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



60° Glossmeter

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

BEVS 1506

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

BEVS 1501U



Color Assessment Cabinet

Light source: Five light sources
Light source types: D65, TL84, CWF, F, UV

BEVS 1201/5

BEVS 3212



Color Assessment Cabinet

Light source: Six light sources
Light source types: D65, TL84, CWF, F, UV, U30

BEVS 1201/6

Highlight

Non Contact Automatic Color Measurement Machine

Non contact design reduces collisions and scratches
Can quickly detect multiple samples at once
Accuracy: $\Delta E^*_{ab} < 0.2$, single detection time: 0.2S.

Deformation

BEVS 1608



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

BEVS 1606



Automatic Cupping Tester
Camera system
Maximum force: 15KN

BEVS 1603
BEVS 1603A



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

BEVS 1605



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

BEVS1601/1
BEVS1601/2



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

BEVS 1601/3



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

BEVS 1601/4
BEVS 1601/5



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

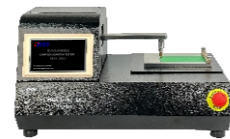
Abrasion, Scrub / Washability

BEVS 2811



New
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.

BEVS 2851



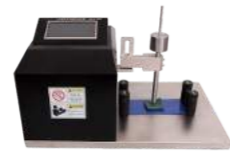
Complex Scratch Tester
Shape and radius of the needle (mm):
(Sharp) 0.03, (Ball) 0.25, (Ball) 0.5
Sample size: MAX 200 x 100 x 12mm

BEVS 2801



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

BEVS 2803



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

BEVS 2801H



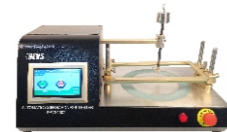
Automatic Scratch Tester Plus
Stroke length: 40-120mm
Speed: 1-50mm/s
Spacing: 5-10mm

BEVS 1305



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

BEVS 1307



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

BEVS 2808



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

Weathering Testing

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 ± 5%
Temperature range: Ambient to 65 ± 2 ° 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

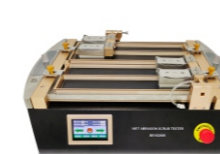
Abrasion, Scrub / Washability

BEVS 2810



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

BEVS 2806



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

BEVS 2809



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



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



Full Automatic Adhesion Station BEVS 3233

Features

- Compatible with multiple cutting methods
- Fully automatic cutting and evaluate results
- Data saving and output reports
- Shorten R and D, experiment and quality control cycles

Technical info.

- Test panel size: L (120~150) × W (50-100) × H (0-7)mm
- System pressure: 0.5~0.7Mpa
- Storage capacity of test panels: 50-300 pieces (based on the thickness)
- Cutting spacing: 0.5, 1, 1.5, 2, 3mm
- Cutting length: 50-80 mm

Intelligent Coating Performance Testing Station BEVS 3288N

- 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.



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.

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;

