



BEVS 1812 AI MINIMUM FILM FORMING TEMPERATURE MASTER



Introduction

BEVS 1812 AI MFFT Master has an intelligent temperature control system, intelligent camera and 16 high-precision temperature sensors. It can detect the lowest minimum temperature for forming a uniform and transparent thin film and real time display forming temperature. It is used to determine the forming film performance of polymer emulsions.

Features

- 7" Touch Screen and HD camera
- Intelligent temperature control system delivers fast and steady rise/fall in temperature
- Enable testing 6 samples simultaneously
- 16 high-precision temperature sensors
- Real-time display of gradient plate temperature
- Automatic judge and save forming film location
- Display real-time temperature and position via move laser
- Output test reports

Technical Parameters

- Temperature range: -10°C~ 65°C, Resolution 0.1°C
- Number of samples: 6 groups
- Width of samples: 16mm
- Stroke length of the laser: 0~300mm
- Accuracy: ±1%
- Resolution of the image system: 5472×3768 pixels

Ordering Info

BEVS 1812 AI Minimum Film Forming Temperature Master

BEVS 1811G AUTO FILM APPLICATOR



Introduction

BEVS 1811G is used to prepare uniform, traceable, stable and reliable coatings. It is fast and automatic, improving the reproducibility and efficiency, and obtains a uniform coating with the same physical properties, appearance, and chemical properties. It eliminates various instabilities caused by human factors such as speed, pressure and direction and provides high-precision sample for testing the rheological properties, wear resistance and hiding power of raw materials.

Features

- 7" large touch screen
- Minimum coating speed 1mm/s
- Maximum coating speed 350mm/s
- Any position can be set on the screen as the starting point of the coating
- Maximum substrate thickness up to 30mm
- With a feeding tray
- USB data output

Technical Parameters

- Voltage: 110V or 220V
- Power: 100W
- Maximum stroke of push rod: 455mm
- Coating distance: 30-420mm (Adjustable)
- Speed: 1-350mm/s
- Glass bed dimension: L500 x W330 x H12mm
- Machine dimension: L640 x W470 x H250mm

Ordering Info

BEVS 1811G Auto Film Applicator

BEVS 3168H AUTOMATED PARTICLE ANALYZER



Introduction

It is suitable for determination of the particle fineness of materials like paints, pigments and coatings with special effects, such as transparent liquids and metallic paints. Automatic drawdown and automatic analysis of the particle test results, completed in 30 seconds. The powerful analysis software greatly improves measurement accuracy and efficiency.

Features

- 10" HD touch screen with multilingual operation menu
- Equipped with a HD image processing system and advanced intelligent analysis software
- Automatic drawdown and auto analysis of the particle size value
- Only 30s for a single measurement
- Intuitive display of the distribution of particles and test reports
- Able to determine the fineness of transparent liquid and metallic paints
- Large storage: 200GB
- Ports: USB, VGA, HDMI

Technical Parameters

- 10" color touch screen, resolution 1920x1080
- Measurement range: 0~200µm
- Resolution: 1µm
- Accuracy: ±(reading×2%+3)µm
- Cycle measurement time: 30s
- Camera resolution: 4K

Ordering Info

BEVS 3168H Automated Particle Analyzer



BEVS 2816 ROTARY ABRASER



Introduction

Compliant with ISO 7784-2, BEVS 2816 Rotary Abraser not only has the traditional functions, but also voice control and broadcast functions, Becoming more intelligent, it is suitable for testing the wear resistance of various materials, including paper, plastics and textiles.

Features

- 4.3" touch screen, easy operation
- AI voice control + Touch control
- Vacuum cleaner for debris removal
- Automatic reset, automatic speed control, and counting
- Pendulum arm with counterweight for balancing wheel pressure
- Compatible with other abrasion testing for other materials

Technical Parameters

- Specimen: Outer diameter 130mm, inner diameter 8mm
- Distance between abrasion wheel and test sample disk center: 20mm
- Distance between test samples and vacuum port: 3mm
- Rotation speed: 10-100r/min
- Test load: 250, 500, 1000g
- Number of cycles: 1-9999

Ordering Info

BEVS 2816 Rotary Abraser

BEVS 2216 TABLETOP FULLY AUTOMATIC ADHESION MASTER



Introduction

BEVS 2216 Tab FAA Master is a compact desktop instrument. It is capable of automatic cross-cutting, cleaning of cross-cut debris, tape application and peeling, and automatically determining the adhesion strength of coatings to assess the quality and durability of coatings. Compliant with ASTM D3359 and ISO2409, it is widely used in industries such as automotive, aerospace, marine, construction, and coating manufacturing.

Features

- Industry-first innovation desktop fully automatic cross cutting tester
- 7" HD display, easy operation
- Automatic cross cut test and air blowing
- Automatic debris cleaning and simulation of manual tape application and tearing
- Enable customizing interval of cross cut and performing cross cut with consistent force
- Automatic determination of adhesion grade and data recording
- Output test reports

Technical Parameters

- Test panel dimensions: L(120~150) x W(50~100) x H(0~7)mm
- Cutting interval: 1, 1.5, 2, 3mm
- Operation pressure: 0.5~0.7Mpa
- Resolution of image system: 5472×3768 pixels

Ordering Info

BEVS 2216 Tabletop Fully Automatic Adhesion Master



BEVS 3366 TABLETOP XENON AGING TESTER



Introduction

Adopting an air-cooled xenon lamp as the light source, BEVS 3366 Tabletop Xenon Aging Tester can simulate the full sunlight spectrum. By changing and controlling test conditions (such as irradiance, temperature, spray) to simulate different outdoor environments to conduct accelerated aging tests on the samples.

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
- Automated test process, test data can be output
- Real-time display of test process

Technical Parameters

- Air-cooled xenon lamp: 1800W
- Exposure area: 1200 cm²
- Irradiance: 300-400nm, 340nm, 420nm
- BPT: 45-90°C in light cycles, 25-50°C in dark cycles
- Spray: 0.2L/min

Ordering Info

BEVS 3366 Tabletop Xenon Aging Tester

BEVS 1616 CUPPING TESTER



Introduction

Adopting worm gear reducer, with hand cranks on both sides enabling the convex head to lift at a certain speed, the test process can be shown on the display in real time via electronic microscope, can also be switched to ordinary magnifier to observe, evaluate the crack resistance and peeling resistance of the material. It is widely used in automotive, home appliances, packaging and other industries, for testing cracks, coatings and other quality and reliability.

Features

- HD touch screen, easy operation
- CCD camera and magnifier can be quickly interchanged
- Real-time display of cupping speed
- Real-time display of temperature and humidity
- Real-time display of cupping depth
- Automatic prompt after completion

Technical Parameters

- Panel size: (70-250)×(60-90)mm, L×W
- Steel ball diameter: 20mm
- Stroke length: 16mm
- Depth: Resolution 0.01mm
- Max. Cupping force: 3KN

Ordering Info

BEVS 1616 Cupping Tester



BEVS 3233S AUTOMATIC COATING PERFORMANCE TESTING WORKSTATION



Introduction

It is an intelligent workstation that integrates visual recognition system, automatic data storage system, mechanical action and automatic control system. It adopts the layout of production line detection process, automatically measures coating film thickness, gloss, adhesion, elasticity and other related properties. It can quickly detect and analyze coating performance, greatly improving the accuracy and repeatability of test results.

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 Parameters

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

Ordering Info

BEVS 3233S Automatic Coating Performance Testing Workstation



2024 Global Launch

AI Testing Instruments



Company Introduction

BEVS Industrial (Guangzhou) Co., Ltd was established in 2004 and is dedicated to providing high-quality intelligent testing instruments and laboratory automation systems for global coating industry supply chain, third-party quality inspection organizations, and research institutions.

With a core focus on technological innovation, we currently hold over 100 national patents (including 25 invention patents) and have contributed 10 national/industry standards. Our R & D team always concentrates on cutting-edge technology and market focus, empowering sectors such as coatings, inks, resins, rubber and plastics, new energy, and new materials, continuously playing a vital role in providing value-added services to users.

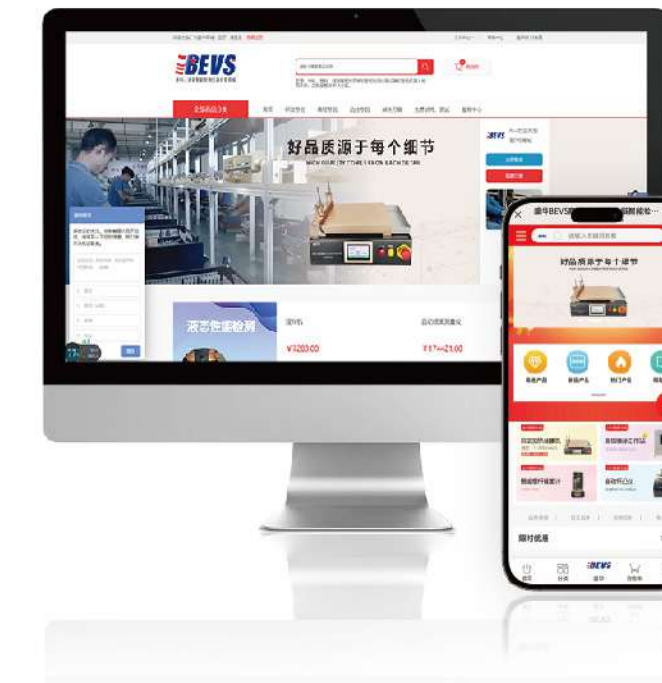
BEVS Official Online Store

One-stop shop for various testing instruments for paints & coatings

- Official Store
- Wide Range of Categories
- One-stop Purchase



Online Mall Only For China Market



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BEVS 1138 AI VISCOMETER



Introduction

Adopting AI control technology, intelligent self-detection, multi-languages and quick response, enhances system reliability and reduces human errors.

Features

- 4" Color Touch Screen
- Viscosity: cP / mPa·S / P / Pa·S
- AI voice control + Touch control
- Chinese or English Voice Control System
- Auto Zero, Auto Level Detection and Auto Spindle Type Detection
- Fully automatic adaptive speed measurement
- Fully automatic multi-speed measurement mode

Technical Parameters

- Range: 1-6,000,000cP
- Speed: 0.1-200RPM, Free speed selection
- Accuracy: ±1%, F.S.
- Repeatability: ±0.2%, F.S.
- Storage: Save 1000 measured values
- Data output: USB data output

Ordering Info

BEVS 1138 AI Viscometer

BEVS 2806H AI WET ABRASION SCRUB TESTER



Introduction

BEVS 2806H has two channels with a HD camera. It can test two different samples simultaneously and enables automatic identification and calculation of rub and the length of the exposed area. It is used to determine the wear resistance of coatings and the performance of detergent.

Features

- 7" HD display screen and HD camera
- Unique appearance and easy operation
- Dual-channel design and visual recognition technology
- Automatic analysis of the length of exposed area
- Automatic recognition and calculation of rub
- Open tank, easy for adding water and cleaning
- Output test reports

Technical Parameters

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

Ordering Info

BEVS 2806H AI Wet Abrasion Scrub Tester