

# **L&B** Lux & Brilliance Technologies Sdn. Bhd.

No 7442, Jalan Bagan Lalang, Taman Carissa Villa, 13400 Butterworth, Penang, Malaysia

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## E-Catalogue 2023

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### Authorize Distributor



**Lux & Brilliance Technologies Sdn Bhd**  
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## Color & Gloss

### CS-820N Bench-top Spectrophotometer

Item:CS-820N

- Inter-Instrument Agreement: dE <0.15 (XLAVaperture)
- High brightness, long lifetime xenon lamp.
- 24 standard light sources, 40 measurement standards.
- Simultaneous reflectance/ transmittance measurement.
- Double optical path spectrum analysis technology.
- Simultaneous SCI/SCE measurement.



### CS-820 All-in-one Spectrophotometer

Item:CS-820

- Transmission D/0 Structure and Reflection D/8 Structure
- Double Optical Paths Spectral Analysis Technology
- Compatible with SCI/SCE Measurement- Four Testing Apertures
- Large Screen Display- Simultaneous SCI/SCE measurement.



### CS-801 Reflectance Spectrophotometer

Item:CS-801

- D/8 Geometry
- Can Measure SCI and SCE at the same time
- ETC Technology (Every Test Calibration)
- Free Color QC Software.



### 45/0 Portable Spectrophotometer

Item:CS-600C/ 600CG/ 800C/ 800CG

- Instrument adopts 45/0geometry(45ring-shapedillumination,0 degree viewing)
- Compatible with 60 Degree Gloss Measurement (CS-600CG)
- Comply with International Measurement Standards
- Color QC Software



### CS-580 Spectrophotometer

Item:CS-580



### CS-600 Spectrophotometer

Item:CS-600



### CS-610 Spectrophotometer

Item:CS-610



### CS-650 Spectrophotometer

Item:CS-650



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## Color & Gloss

### Spectro Colorimeter

Item:CS-280/ 280+/ 286/ 288

- Measure Absolute Color Value
- Spectrum Measurement Principle Achieve High Accuracy
- Patented Technology Guarantees Repeatability
- Mass Storage Memory



### Colorimeter

Item: CS-10: Low cost

CS-200: High cost effective

CS-210 Camera view

CS-220 Powder measurement

CS-260 Color shade number searching

Color Shade Number Searching



### CS-380 Gloss Meter

Item:CS-380

- High Precision
- Super stability
- Comfortable grab feeling
- Large battery capacity



### CS-300 Single Angle Gloss Meter

Item:CS-300

- High Precision
- Super stability
- Comfortable grab feeling
- Large battery capacity



### Portable Small Aperture Gloss Meter

Item:CS-300S

- Extra Small Measurement Aperture
- International Leading Repeatability
- Different test modes to meet the need of different requirement from customers.



### CS-280 Spectro colorimeter

Item:CS-280: Focus on accuracy

CS-286: Colour fastness

CS-288: Bluetooth



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## Color & Gloss

### Economic Haze Meter TH-100

Item:TH-100



### Transmittance Haze Meter CS-700

Item:CS-700



### Colour and Haze Meter CS-720

Item:CS-720



### Small Aperture Haze Meter CS-701

Item:CS-701



### Four Light Sources Light Box



### Five Light Sources Light Box



### Six Light Sources Light Box



### Seven Light Sources Light Box



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## Viscosity

### Ford Cups

Item: BGD125  
 25-120cSt  
 49-220cSt  
 70-370cSt  
 215-1413cSt



### ISO Flow Cups

Item: BGD128  
 7-42cSt  
 34-135cSt  
 91-326cSt  
 188-684cSt  
 600-2000cSt



### Zahn Cups

Item: BGD126  
 5-56cSt  
 21-231cSt  
 146-848cSt  
 222-1110cSt  
 460-1840cSt



### Japanese Iwata Cups

Item: BGD122



### Din Flow Cup

Item: BGD127



### Cup Stand

Item:  
 BGD130-133  
 Square Stand  
 Tripod Stand  
 Stainless Steel Stand  
 Tripod Stand with Double



### Intelligent Digital Rotary Viscometer

Item: BGD155  
 Range:  
 10-600,000 (600K)  
 10-6,000,000 (6M)  
 100-80,000,000 (80M)



### Intelligent Touch-screen Rotary Viscometer (Professional)

Item: BGD155/s  
 Range:  
 10-600,000 (600K)  
 10-6,000,000 (6M)  
 100-80,000,000 (80M)



### Intelligent Touch-screen Rotary Viscometer (Basic)

Item: BGD152  
 Range:  
 10-100,000 mPa.s  
 10-2,000,000 mPa.s



### Programmable Digital Viscometer

Item: BGD156-158  
 Range:  
 1-2M  
 100-13M  
 200-26M  
 800-104M



### Portable Digital Viscometer

Item: BGD160/1,2,3  
 Range:  
 25-150,000  
 50-300,300  
 200-1,200,000



### Intelligent Krebs Stormer Viscometer

Item: BGD186  
 Range:  
 40.2KU-141.0KU  
 27-5250cP



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## Film Application

### One-Sided Applicator

Item:BGD201  
 Film Width:100mm  
 Gap: 25,37.5,50,75,100,  
 125,150,200,250,300,  
 350,400,500,600µm



### Two Sided Applicator

Item:BGD202  
 Film Width:80mm Gap:  
 25,50,75,100,150,200,  
 300,400µm



### Four Sided Applicator

Item:BGD205  
 Film Width:80,100,160,190mm  
 Gap:  
 25,30,50,60,75,90,100,120,  
 150,200,300,400,500&600µm



### Cube Applicator

Item:BGD203  
 Film Width:12.7mm  
 Gap:  
 38,76,75,150µm



### Wire Bar Coaters

Item:BGD211-213  
 Film Width:100,200,300  
 Thickness:6,8,10,12,15,20,25,30,  
 40,50,60,80,100,120,150,200µm



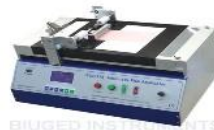
### Formed Rods

Item:BGD214/215  
 Coating Width:200,300mm  
 Thickness:4,6,8,10,12,15,20,25,30,  
 40,50,60,80,90,100,180 µm



### Automatic Film Applicator

Item:BGD218/1-3  
 Speed:2-100mm/s  
 Length: 250,375mm



### Film Applicator with Holding Device

Item:BGD219 Speed:2-100mm/s  
 Length:280mm



### Drawdown Plate

Item:BGD2608/2609  
 Size:  
 299x381mm  
 178x508mm



### Table Water-curtain Spray Cabinet

Item:BGD228  
 Overall Size:  
 835x630x1155 (LxWxH)  
 Water curtain Size:  
 600x460mm (LxW)  
 Samples Holder Size:  
 595x220mm (LxW)



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## Adhesion/Hardness/Flexibility

### Cross Hatch Adhesion Tester

Item:BGD502/504  
 Gap:1mm/2mm/3mm  
 No of teeth: 6/11  
 No of cutting edges: 1/6/8



### Cross Cutting Rule

Item:BGD503/1280  
 Cutting Distance: 1/1.5/2/3mm  
 Cutting Length: 35mm  
 Number of cutter: 11teeth



### Digital Pull off Adhesion Tester

Item:BGD500/1520-1527  
 Dolly size: 20mm(standard)  
 10/14/50mm



### Pencil Hardness Tester

Item:BGD506/1-4  
 500g/750g/765g/1000g



### Pendulum Hardness Tester

Item:BGD509  
 Konig/Persoz/Konig+P  
 ersoz



### Automatic Scratch Tester

Item:BGD520  
 Working Distance: 100mm/120mm  
 Max panel size: 200x100mm  
 Max panel thickness: Less than 1/12mm



### Mar Resistance Tester

Item:BGD536/1008  
 Stylus moving speed: 0mm/s-  
 10mm/s  
 Test panel size: Less than  
 200mmx100mm  
 Thickness is less than 10mm



### Buchholz Indentation Tester

Item:BGD510  
 Accuracy of indentation reading: 0.1mm



### Digital Shore Hardness Meter

Item:BGD935  
 Range:  
 0-100HA  
 Resolution:0.1  
 Dimension:  
 162x65x38mm  
 Weight: 173g



### Hardness Test Pencil

Item: BGD511/1071-1077  
 0.5mm/0.75mm/1.0mm/0-3N/0-  
 10N/0-20N



### Cylindrical Mandrel Tester

Item: BGD564  
 2/3/4/5/6/8/10/12/16/20/25/32



### Conical Mandrel Tester

Item: BGD566  
 Suitable test panel size:  
 Length 200mm, Width 75mm,  
 Thickness 0.8mm



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## Impact/Abrasion/Tensile

### Impact Tester

Item:BGD305/306  
 Ins Scale Length: 0-100cm (40inch)  
 Falling Weights: 1000g(2 pcs),  
 300g (1pcs), 1000g (2pcs). 2lb (2pcs)



### Digital Cupping Tester

Item:BGD309  
 Diameter of punch: 20mm  
 Max dent thickness: 12mm  
 Max depress power: 2,500N  
 Resolution of dent 0.01mm



### Wet Abrasion Scrub Tester

Item:BGD526  
 Stroke Length: 300mm  
 Frequency of travel: 5-59time/min  
 Range of count:9999times



### Multifunction Abrasion Scrub Tester

Item:BGD528  
 Stroke Length: 0-300mm (adjustable)  
 Frequency of travel: 5-59times/min  
 Range of count:0-9999time



### Solvent Rub Resistance Tester

Item:BGD521  
 Motor power: 60W, 220V 50Hz  
 Rubbing Weight: 1000g+10g  
 Rubbing Speed: 5-95/min  
 Distance: 120mm Times: 0-9,999



### Rational Abrasion Tester

Item:BGD523  
 Range of count: 0-9,999 times  
 Thickness: 20mm-25mm, 0-5mm  
 Load weight: 500g,750g,1000g  
 Net weight: 20kg



### Falling Sand Abrasion Tester

Item:BGD529  
 Length of conduct pipe:36inch (914mm)  
 Inner diameter: 0.75 inch (19mm)  
 Volume of hopper: 3L  
 Weight of whole machine: 25kg



### R.C.A Paper Abrasion Wear Testers

Item:BGD530  
 Size: 890(L) x 485(W) x 410(H)  
 Weight: 20kg  
 Power: 50HZ/220V



### Table Electronic Tensile Machine

Item:BGD572  
 Max capacity: 50,100,200,500,1000N  
 Valid length of tensile: 800mm  
 Resolution of displacement: 0.015mm  
 Range of test speed: 50-500mm/min



### Computer Servo Tensile Machine

Item:BGD573/574  
 Max range: 5,10,20,25,50,100,200,500kg  
 Resolution of test force: 1/500,000  
 Resolution of displacement: 0.015mm  
 Max space of tension: 800mm  
 Test speed: 0.01-500mm/min



### Universal Material Testing Machine

Item:BGD570  
 Max range: 1,2,5,10,20KN  
 Precision grade: 0.3 grade  
 Resolution of displacement: 0.015mm  
 Speed range of working platform: 0.001-500mm/min  
 Effective tensile space: 1100mm  
 Effective test width: 380mm







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## Special Instruments of Ink and Printing

### Falling Rod Viscometer

Item:BGD611  
 Falling Rod Size: 12mm x 300mm  
 Falling Rod Weight: 132g  
 Timing Precision: 0.01s  
 Viscosity Range of Interest: 2-200Pa.s  
 Mass of weight: 25-4075g



### Intelligent Inkometer

Item:BGD615  
 Brass roller speed range:  
 400,800,1200,1600,2000RPM  
 Display resolution:0.1 unit of ink viscosity  
 Printing: Testing time, number,  
 temperature, speed, viscosity value



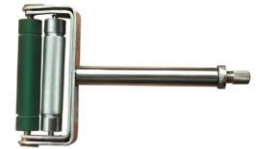
### Printing Proofer

Item:BGD622/1-2  
 Able for: Gravure, Flexographic Ink  
 Roller hardness: Shore A 55/50  
 Printing speed: 20,30,40,45m/min  
 Printing length: 150mm



### Hand Proofer

Item:BGD220/1,3,5  
 Line Screen Per Inch:  
 120,160,180,200,250,300



### Multi-Section Ink Printing Proofer

Item:BGD626: Multi-section Ink printing Proofer  
 Item: BGD1145: Ink Injector  
 Item: BGD1386: Special roller for UV Ink



### Rub Resistance Tester

Item:BGD630  
 Rubbing speed: 5-95 times/min  
 Rubbing pad hardness: 50Hs-53Hs  
 Rubbing Distance: 60mm  
 Settable rubbing time: 0-9,999



### Digital Emulsification Tester

Item:BGD675  
 Stirring Rotate Spd: 90/100/150rpm  
 Container Size: 100 x100mm



### Automatic Drying Tester for Ink

Item:BGD660  
 Speed of weight wheel: 2mm  
 Settable time: 5-20 (hour)  
 Circle numbers of whole distance: 120r



### Dyne Test Pens

Item:BGD1146/7,8,9  
 5ml, 12ml, 30ml,60ml



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## Dispersing/Mix/Mill/Grind

### Multifunction High Speed Dispersing

Item:BGD745  
 Adj working spd: 200-6,000r/min  
 Lift distance: 300mm  
 Come with dispersing blades 50&80mm



### Versatile Sand-Milling Dispersing-agitator

Item:BGD750/751  
 Speed: 100-3,000 r/min  
 Container Capacity: 1.5L, 3L  
 Lift distance: 230,300,340mm



### High Speed Dispersing

Item:BGD1410  
 Speed: 0-7,500 r/min  
 Lift distance: 230,300,340mm



### Air Pneumatic Mixer

Item:BGD722,3,5,8,9  
 Max Torque: 0.64, 1.56, 4,8NM  
 Working spd: 0-1100 r/min  
 Capacity: 1-200KG  
 Structure: Floor mode, Portable, Transportable (No Bench)



### Precise Digital Overhead Stirrer

Item:BGD701,2,3,4  
 Speed range: 0-2200 rpm  
 Max Torque: 40, 60 N.cm  
 Max viscosity: 10,000/5,000mPa.s  
 Chuck Range Diameter: 0.5-13



### Lab Basket Mill

Item:BGD756  
 Working spd: 0-300rpm  
 Container capacity: 3L  
 Milling basket capacity: 260ml  
 Suitable added amount: 180ml



### Lab Horizontal Mill

Item:BGD758  
 Milling chamber capacity: 0.5L  
 Working spd: 0-3000rpm  
 Motor Power: 2.2 KW



### Coating Fast Mixer

Item:BGD760  
 Crankshaft revolution: 660r/min  
 Reciprocating stroke: 16mm  
 Upper and Lower amplitude: 8mm



### Closed Paint Mixer/shaker

Item:BGD763/4  
 Working method: shaking/Rotating  
 Clamping method: Manual, Automatic  
 Suitable container Height:70-390mm



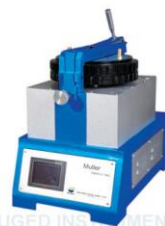
### Three Rollers Grinder

Item:BGD770/1,2,3,4,5  
 diameter:65,100,150,200,260mm  
 Length: 125,250,300,500,675mm  
 Slow spd: 26,28,34,19,23  
 Middle spd: 70,66,78,55,64  
 Fast: 145,152,181,155,183



### Muller Laboratory Grinder

Item:BGD650/1  
 Load: 43,64,100kg  
 Weight: 1.75, 5,6.4kg  
 Digital Displaying Range: 0-9999  
 Grind plate diameter: 240mm



### Homogenizer

Item:BGD749  
 Voltage: 220V 50/60Hz or 110V 50/60Hz  
 Rotor speed: 22,7-36mm  
 Permissible Ambient Temperature: 5-40  
 Protection grade: Ip20



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**Balance/Oven/Water Bath**

**Precise Analytical Balance**

Item:FA1104,1604,2004  
 Weighing Cap: 100,160,200g  
 Readability: 0.1mg



BIUGED INSTRUMENTS

**Special Balance For Paint**

Item:ES-P5K  
 Capacity: 5,8,10,16,20,30,60kg  
 Readability: 0.1/0,5g



BIUGED INSTRUMENTS

**Fast Moisture Tester**

Item:MB23,25,27  
 Capacity: 90G,100G  
 Readability: 0.01%/0.01g  
 Sample size:3g to 20g typical,0.6g min  
 Interface: Bidirectional RS-232



BIUGED INSTRUMENTS

**Precise Oven**

Item:BGD802,804,806,808,810,812,  
 ,814,816,818,820,822,824,826,827,  
 828,829



BIUGED INSTRUMENTS

**Muffle Kiln**

Item: SX2  
 Max temp: 1600deg  
 Heating element: Globar, heating cord



BIUGED INSTRUMENTS

**Heating Bath**

Item:BGD834-8  
 Cubage: 11,34,12,22,30L



BIUGED INSTRUMENTS

**Water / Oil Bath Kettle**

Item:BGD830-3  
 Chamber capacity: 4.9,9.9, 14.8,  
 19.8L  
 Timing Range: 1-9999min  
 Note: two holes/double columns  
 four holes



BIUGED INSTRUMENTS

**Low Temperature Thermostatic Bath**

Item:THD05



BIUGED INSTRUMENTS

**Laboratory Freezers**

Item: DW-25L92  
 Horizontal / Vertical



BIUGED INSTRUMENTS



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## Weathering Test

### Programmable Salt Spray

Item:BGD880-3  
 Wor room cap: 108,270,480,800L  
 Tank capacity: 15,25,40,45L  
 Collectors: 1 / 2  
 Method: Manual / Pneumatic



### High-Low temperature & Humidity Cabinet

Item:BGD897



### ISO Scratching Tool

Item:BGD1285  
 V shape cutter / U shape cutter



### Cyclic Corrosion Test (CCT) Cabinets

Item:BGD886-8  
 Wor room cap: 335,912,1216L  
 Spray: Continuous or Cyclical



### UV Light Accelerated Aging Chamber

Item:BGD852 – Bench UV Light Accelerated  
 BGD8100 – UVB lamps(20W/313nm)  
 BGD8101 – UVA lamps(20W/340nm)



### UV Light Accelerated Weathering Tester

Item:BGD855: Weathering Tester  
 BGD8110: UVB lamps (40W/313nm)  
 BGD8111: UVA lamps (40W/340nm)  
 BGD8118: Calibration Radiometer  
 BGD8130: Sample Shelf



### Bench Xenon Test Chamber

Item:BGD865: Bench Xenon test chamber  
 BGD8155: Xenon Lamps  
 BGD8156: American Xenon lamps  
 BGD8140: Xenon calibration Radiometer



### Small Xenon Test chamber

BGD866: Small Xenon Test Chamber  
 BGD8155: Xenon Lamps  
 BGD8156: American Xenon lamp  
 BGD8140: Calibration Radiometer  
 BGD8170: Pure Water Machine



### Big Xenon Chamber

Item: BGD8171: Purity Water System )50L/min)  
 BGD8141: Radiometer (420nm)  
 BGD8140: Radiometer (340nm)  
 BGD8142: Radiometer (300-400nm)



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## Others

### Surface Roughness Tester

Item: BGD930,931  
 BGD1290: RS-232 or USB cable  
 BGD1291: Software  
 BGD1292: Sensor for deep groove  
 BGD1293: Sensor for curve surface  
 BGD1294: Measuring Stand



### Temperature Tracker

Item: BGD951/954/957  
 No of channels: 1,4,7  
 Sampling Period:  
 1s-60s programmable



### Professional Thermocouple Thermometer

Item: BGD948  
 Temperature Range: -50~1300°C  
 Accuracy:  $\pm 1^\circ\text{C} \sim \pm 1.5^\circ\text{C}$   
 Resolution: 0.1°C  
 Error:  $\pm 0.5\% \pm 1^\circ\text{C}$



### Infrared Thermometer

Item: BGD950/123  
 Range: 50-1000°C  
 Accuracy:  $\pm 1.5\%, \pm 1.0\%$   
 Resolution: 0.1°C  
 Laser type: single/dual laser



### Digital Thermometer & Hygrometer

Item: BGD945  
 Range: -30°C ~ 50°C (-22°F ~ +122°F)  
 -50°C ~ 70°C (-58°F ~ +158°F)  
 Humidity: 20% ~ 99%  
 Size: 111x101x21.5 (mm)



### Temperature & Humidity Meter

Item: BGD943  
 Air temperature: -30~100°C  
 Relative Humidity: 0~100%RH  
 Dew point temperature: >-30~100°C  
 Wet bulb Temperature: 0~80°C  
 Absolute humidity: 0~500g/mm3,  
 0~218.5gr/ft3



### Multifunctional Digital Moisture Meter

Item: BGD922  
 Sensing type: Pin&Search Type  
 Building Moisture: 0-50% (Concrete)  
 Measuring range: 0-80%  
 Calibration: Automatic



### Sealing Clamper

Item: BGD910  
 Diameter: 300mm  
 Thickness: 0.4-0.5mm  
 Max power: 800N  
 Power of handing:  $\leq 680 \pm 50\text{N}$



### Digital Caliper & Micrometer

Item: BGD960,961,962  
 Range: 0-100, 0-150, 0-25mm  
 Graduation: 0.01mm (0.0005 inch), 0.001  
 Value stability: 0.01mm (0.0005 inch)



### Duck Billed Valve

Item: BGD986/1: 1 inch Duck Billed Valve  
 BGD986/2 : 1.5 inch Duck Billed Valve  
 BGD986/3 : 2 inch Duck Billed Valve



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## Coating Thickness/Conductivity Measurement

### MPO/MPOR Series

- PERMASCOPE® for coatings on steel and iron
- ISOSCOPE® for coatings on aluminum and other non-ferrous metals.
- DUALSCOPE® for coatings on steel, aluminum and other non-ferrous metals, with no need to change the instrument.
- Coatings in the micrometer range on non-ferrous metals, iron or steel
- Thick coatings made from non-ferrous metals or protective coatings on steel.



### MMS® INSPECTION

- Shipbuilding, infrastructure, offshore wind farms, chemical plants etc.
- Ideal for use under very harsh conditions from -10 to 60 °C
- Dual probe for reliable measurements on all relevant substrates: ISO/FE, NF/FE, ISO/NF (DFT)
- Measuring ranges: 0–2500 µm on FE and 0–2000 µm on NF (DFT); 0–500 µm (SPG)



### FMP10/40

- DELTASCOPE® for dry film thickness (DFT) coatings on steel and iron
- ISOSCOPE® for dry film thickness (DFT) coatings on aluminium and other non-ferrous metals
- DUALSCOPE® with automatic substrate recognition and the combination of two measurement techniques (magnetic induction and eddy current); DUALSCOPE® can measure a variety of DFT coatings on iron/steel or non-ferromagnetic metals and on non-conductive substrates
- Coatings in the micrometer range on non-ferrous metals, iron or steel



### SIGMASCOPE SMP350

- Conductivity testing on raw materials for sorting and quality assurance
- Inspection of alloying in coinage (e.g. the conductivity of Euro coins)
- Assessment of the hardness and strength of heat-treated materials
- Control of the material stability of airframes or similar components that can be altered by temperature swings
- Estimation of the phosphorous content in copper alloys or copper-bearing materials
- Tracking of precipitation processes, e.g. in Cu-Cr alloys



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## Powder Coating Machine/Booth

COLO-191S Professional Powder Coating System Machine



COLO-1115 Small Powder Coating Spray Booth



COLO-1517 Manual Powder Coating Booth



COLO-2315 Filter Powder Coating Booth



COLO-3217 Walk-in Powder Booth for Heavy Part



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## DIGITAL CALIPER

### DIGITAL CALIPER



**Features:**

- 12mm high LCD display
- Zero setting at any position
- Metric/Inch system interchange
- Manual power on/off
- Power on/off at any position, invariable measuring origin (zero)
- Conforming standard: DIN862

Model No.	Range mm/in	Resolution mm/in	Accuracy
P1006-150	150mm/6"	0.01mm/0.0005"	±0.02mm
P1006-200	200mm/8"	0.01mm/0.0005"	±0.02mm
P1006-300	300mm/12"	0.01mm/0.0005"	±0.03mm

### ABSOLUTE DIGITAL CALIPER



**Features:**

- Can measure the dimension of outside, inside, depth, steps.
- Function: Power switch; Metric-inch conversion; Zero set at any Position.
- Resolution: 0.01 mm / 0.005 "
- Relative and absolute measuring type (ABS)
- No response speed limit.
- Auto power-off.3V Lithium Battery CR2032.
- Conforming standard: **DIN862**



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**AP&T**®

**ION BAR**

**Ac Electroshock-Proof Ion Bar**

Item: AP-AB1103/1108

- Bar shaped and cross over static eliminator
  - Compact structure and elegant appearance
  - Working under high voltage and micro current ( $\mu\text{A}$  level)
- Electroshock-proof function
- Stripe shaped notch on the back of the bar for user to fasten the bar

AP-AB1103

AP-AB1108



**None Air source Integrated Ion Bar**

Item: AP-AC5602

- Bar shaped and cross over static eliminator
- Excellent electrical property data by applying the newest static eliminating technology
- No short circuit of discharge electrode, long lifetime
- Stripe shaped notch on the back of the bar, the M4 installation screw is removable
- Working under high voltage and micro current with good safety performance
- Fast speed of static eliminating

AP-AC5602



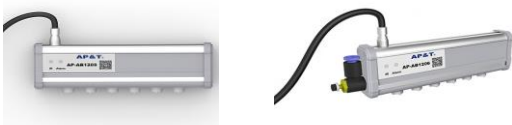
**Ac Electroshock-Proof Ion Bar**

Item: AP-AB1205/1206

- Bar shaped and cross over static eliminator
- Compact structure and elegant appearance
- Fast discharge speed, low ion balance and high safety performance
- Abnormal high voltage alarm function
- Electroshock-proof function

AP-AB1205

AP-AB1206



**Ac Pulse Ion Bar**

Item: AP-AB1207/2018

- Bar shaped and cross over static eliminator
- Adjustable positive and negative ion output rate
- Manufactured by using the latest patented technology of static removing
- Fast speed of static removing, low ion balance and high safety
- Adjustable positive and negative ion frequency
- With alarm function of high voltage fault
- Remote control ion out put
- Shock-proof function prevent user from being electric shocked
- Support integrate control ,easy to operate.

AP-AB1207

AP-AB1208



**Explosion-Proof AC Voltage Static Eliminator**

Item: AP-AB1601/1602

- Bar shaped and cross over static eliminator
- Compact structure and elegant appearance
- Working under high voltage and micro current ( $\mu\text{A}$  level)
- Electric shock-proof function
- With a certain anti explosion function, can be used in flammable and explosive environments
- Stripe shaped notch on the back of the bar for user to fasten the bar

AP-AB1601

AP-AB1602



**DC ELECTROSHOCK-PROOF ION BAR**

Item: AP-DB1217

- Bar shaped and cross over static eliminator
- Excellent electrical property data by applying the newest static eliminating technology
- Suitable for high speed operating and tough rubbing material surface static discharge
- Shock-proof function prevent user from being electric shocked
- Stripe shaped notch on the back of the bar for user to fasten the bar

AP-DB1217



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# AP&T®

## Air Blower

### Desktop Ionizing Air Blower

Item: AP-DC2451

- Compact structure and elegant appearance
- Large volume of ion generating and fast speed of static removing
- Fan stepless speed adjustment
- Stable, safe and reliable performance
- Detachable cover net both front and back, convenient to maintain
- Equipped with special external power adapter

AP-DC2451



### Desktop Mini Ionizing Air Blower

Item: AP-DC2453

- Compact appearance and easy to install
- Able to be installed inside the devices for static removing
- Low power and long service life
- Stable, safe and reliable performance of the circuit
- Detachable cover net both front and back, convenient to maintain
- Equipped with special external power adapter

AP-DC2453



### Overhead Ionizing Air Blower

Item: 2 fans AP-DC2452-60

3 fans AP-DC2452-80

Elongated 3 fans AP-DC2452-80J

4 fans AP-DC2452-100

- Fit for static elimination in large area
- Auto cleaning function
- The combination of multi-units independent ion transmitting
- Stepless adjustment of the air volume and longer lifetime of the fan
- Fast speed of the elimination and stable performance of the circuit
- Detachable cover net both front and back, convenient to clean and maintain

AP-DC2425-60

AP-DC2425-80



AP-DC2425-100



### Cross Flow Ionizing Air Blower

Item: AP-AC2459

- Faster static eliminating speed alternating polarity AC high voltage high field and connect to special emission electrode to ionize air and lower ion balance
- Wide range of ion airflow with large covering area
- Stepless adjustment of fan speed with stable performance, convenient to clean and maintain
- Installing angle adjustable, arbitrary switching between cold and warm wind

AP-AC2459



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# AP&T®

### Static Eliminator

#### Ionizing Air Gun

Item: AP-AC2456

- Small size and portable operation
- Excellent electrical performance index and good performance
- Eliminate static electricity while removing dust from the surface
- It works safely under high voltage and micro current conditions
- Configure the AP-AC2455 series dedicated high voltage power supply



#### Explosion-Proof Static Meter

Item: AP-YF1201

- Hand feel and drape with attractive appearance
- Accurate positioning by dual LED. Precise detection distance
- Wide range of detecting potential. High detect precision
- Comfort operation button and easy to use
- High definition comprehensive LED data display.
- Intrinsically safe explosion-proof, can be used in corresponding explosive dangerous environment



#### Static Measurer

Item: AP-YV1301

- Feel comfortable and beautiful in appearance
- Double LED precise positioning and accurate detection distance
- The detection potential range is wide and the detection accuracy is high
- the button operation is comfortable, easy to use
- high-definition, full-scale LCD data display



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## BeeThree & Liger Safety Shoe

### BEETHREE®

safety footwear

<p><b>BT-8700</b> 4.6 inches Leather Laced Shoes UK size #3 - #13</p>	<p><b>BT-8701</b> 6.6 inches Leather Laced Shoes UK size #3 - #13</p>	<p><b>BT-8830</b> 4.6 inches Low-Cut Slip-On Shoes UK size #4 - #13</p>	
<p><b>BT-8831</b> 4.6 inches Low-Cut Lace-Up Shoes UK size #4 - #13</p>	<p><b>BT-8832</b> 6.6 inches Lace-Up Ankle Boots UK size #4 - #13</p>	<p><b>BT-8833</b> 6.6 inches Zip-Up Ankle Boots UK size #4 - #13</p>	
<p><b>BT-8836</b> 7 inches Zip-Up Ankle Boots UK size #4 - #13</p>	<p><b>BT-8834</b> 9.6 inches Pull-Up Boots UK size #5 - #13</p>	<p><b>BT-8835</b> 9.6 inches Pull-Up Boots UK size #5 - #13</p>	
<p><b>BT-8861</b> 8 inches Ankle Boots UK size #4 - #13</p>	<p><b>BT-8862</b> 6 inches Ankle Boots UK size #4 - #13</p>	<p><b>BT-8863</b> 8 inches Ankle Boots UK size #4 - #13</p>	<p><b>BT-8866</b> 8 inches Ankle Boots UK size #4 - #13</p>

#### Safety Features

Puncture resistant  
steel microspike insert

Extra wide-fitting  
carbon steel  
toe cap (200 joules)

Extra light,  
slip-resistant  
Polyurethane  
(PU) sole

Action fit

Sole resistant to  
oil & acids / salts

Antistatic  
(ESD)

Breathable  
leather uppers

Anti-fatigue  
insole

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## BeeThree & Liger Safety Shoe

**LG-88** 4" LOW-CUT LACE-UP SHOES  
UK size #3 - #13



**LG-99** 5.5" LACE-UP ANKLE BOOTS  
UK size #3 - #13



**LG-66** 5.5" ZIP-UP ANKLE BOOTS  
UK size #3 - #13



**LG-77** 9.5" PULL-UP BOOTS  
UK size #4 - #13



**LG-22** 4.5" LOW-CUT LACE-UP SHOES  
UK size #3 - #13



**LG-33** 6" LACE-UP ANKLE BOOTS  
UK size #3 - #13



### SHOE SIZE CONVERSION

UK Size	3	4	5	6	7	8	9	10	11	12	13
French Size	37	38	39	40	41	42	43	44	45	46	47

#### FEATURES:



#### ACCREDITATION:



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**Abrasive Sand Disc/High Temperature Green Tape**

**Golden Sand Disc 5"**

(for all kind metal)

- Item:  
 P80 x 125mm  
 P120 x 125mm  
 P180 x 125mm  
 P240 x 125mm  
 P320 x 125mm  
 P500 x 125mm  
 P800 x 125mm



**NCA Polyester Sand Disc 5"**

(for automotive, metal working, stainless steel, marine, aerospace)

- Item:  
 P40 x 125mm  
 P60 x 125mm  
 P80 x 125mm



**Red Sand Disc 5"**

(for metal working, automotive, aluminium alloy)

- Item:  
 P40 x 125mm  
 P60 x 125mm  
 P80 x 125mm  
 P120 x 125mm



**High Temperature Green Tape**

(custom size& DIE CUT is available upon request)

- Item:  
 4mm x 66m  
 5mm x 66m  
 6mm x 66m  
 7mm x 66m  
 8mm x 66m  
 9mm x 66m  
 10mm x 66m  
 11mm x 66m  
 12mm x 66m  
 13mm x 66m  
 14mm x 66m  
 15mm x 66m  
 18mm x 66m  
 20mm x 66m  
 24mm x 66m  
 25mm x 66m  
 30mm x 66m  
 35mm x 66m  
 36mm x 66m  
 40mm x 66m  
 45mm x 66m  
 48mm x 66m  
 50mm x 66m  
 60mm x 66m  
 70mm x 66m



**High Temperature Silicone Plug**

Tapered Design Allows for Masking of Various Hole Diameters  
 Perfect for E-coating, powder coating and chrome plating applications  
 (custom size is available upon request)



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## Sanding Product

### Pneumatic Air 5" Orbital Sander

- Design with extra heat treatment for its rear, front plate and cylinder to prolong its lifespan .
- Against 12000rpm high speedy rotation for wear and tear.



### Abrasive Hand Sanding Block

(Coated on all four sides, ideal for use inside rebates and on flat surfaces)

- Item:  
P60  
P80  
P100  
P180  
P220  
P280



### 5' PSA Sanding Pad



### Maroon Sanding Pad

6x9\*9-10mm  
5"



### Roloc Sanding Disc 50mm

- Item:  
P60x50mm  
P80x50mm  
P120x50mm



### Flexible Grinding Wheel

100\*2.5\*16mm



### 5' VELCRO Sanding Pad

