



STATIC SOLUTIONS WITH SAVINGS



P. 623-582-6700 F. 623-582-6776



GLOBAL SUPPLIER

**BOTRON**  
ESD  
CATALOG  


STATIC SOLUTIONS WITH SAVINGS

# BOTRON CO. INC. ESD CATALOG

Botron Company Inc. is a manufacturer of ESD safe and static control products and equipment. We are pleased to have serviced the EOS/ESD Industry since the 80's. Founded by Robert C. Hooley, it has always been our goal here at Botron to consistently offer the highest quality products at the best value.

From our early days, Botron has been a company that has been approachable, a company with a philosophy of developing relationships with its customers. When you buy our Botron static control products, you are not just getting a piece of equipment packed up in a box, you are getting one-on-one support from the moment you first call. Our sales staff is customer driven, so every order is treated the same whether large or small.

Being a customer driven, family owned and operated business, we have brought our values as a family into our daily work. We believe in taking care of one another and going the extra mile. We have been told "we are the easy ESD manufacturer to work with". Botron Company Inc. hopes that you too will see this when working with us.

Sincerely,  
Robert C. Hooley - President

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- More Products
- More Information
- Scan for Website



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# Data Acquisition Has Arrived!

- Failure Prevention
- VTR Technology
- Real Time Results
- Personalized Flexibility

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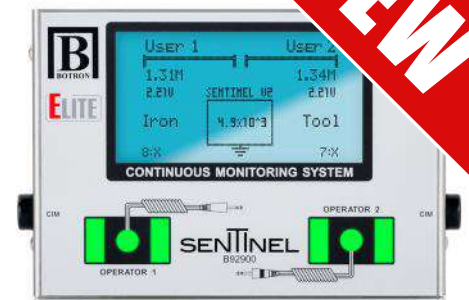


## 1000'S OF PRODUCTS NEW INNOVATIONS



**BOTRON ELITE  
SPEEDLANE  
ESD TEST SYSTEM**

See page 20



**THE MOST ADVANCED  
CONSTANT MONITOR SYSTEM**



See page 17



STATIC SOLUTIONS WITH SAVINGS

HEEL GROUNTER  
**ERGO-ONE**



**AVAILABLE IN THESE COLORS**

**Blue Ergo-One Heel Grounder**  
**B7500** Blue 1 MegOhm Resistor  
**B7501** Blue No Resistor  
**B7502** Blue 2 MegOhm Resistor

**Black Ergo-One Heel Grounder**  
**B7510** Black 1 MegOhm Resistor  
**B7511** Black No Resistor  
**B7512** Black 2 MegOhm Resistor

Cup Design: 1.5" x 7.5" Two Layer Rubber  
 Sole Interior: Non-Marking Rubber  
 Sole Exterior: Conductive Rubber 5x10<sup>3</sup>  
 Ribbon: 24" Conductive Nylon  
 Charge Decay: <0.01Sec  
 Thickness: 0.080  
 Resistor: 1 MegOhm, 2 MegOhm, & No-Resistor models  
 RTG (w/ 1Meg): 1.1x10<sup>6</sup> (min. rating)  
 RTG (w/ 2Meg): 2.2x10<sup>6</sup> (min. rating)  
 Standards: ANSI/ESD S.20.20 & Mil-263A  
 Fastening system: ¾" x 7" Stretch Hook & Loop

**Cup design:**  
 The cup of all Botron Heel Grounder (w/exception to the hi-visibility models) are a symmetrical design that can be reversed when put on. It also features a dual layer rubber with a non-marking inside and a conductive rubber outside. As with all of our static control heel grounders, the Ergo One Series has a 1.5" wide rubber cup, securing both at the back and underneath the heel. It's 7.5" length rubber provides enough cup volume to fit comfortably on those with larger shoe sizes.

**Grounding:**  
 Our ESD heel grounders come standard with a conductive 24" ribbon. All resistors are built in and are available in 1meg or 2meg applications, also available in no resistor.

HEEL GROUNTER  
**DAY-GLOW**



**Features:** The Day-Glow features a hi-visibility yellow stretch hook and loop fastening system for easy identification in the work area.

**Yellow Day-Glow Heel Grounder**  
**B7530** Yellow 1 MegOhm Resistor  
**B7531** Yellow No Resistor  
**B7532** Yellow 2 MegOhm Resistor

Resistor: 1 MegOhm, 2 MegOhm, and No-Resistor models  
 RTG (w/ 1Meg): 1.1x10<sup>6</sup> (min. rating)  
 RTG (w/ 2Meg): 2.2x10<sup>6</sup> (min. rating)  
 Standards: ANSI/ESD S.20.20 & Mil-263A  
 Fastening system: ¾" x 7" Stretch Hook & Loop

HEEL GROUNTER  
**STANDARD**



**Features:** Botron's Standard Heel Grounder features a non-stretch hook and loop fastening system and meets DOD 263A standards.

**Black Standard Heel Grounder**  
**B7503** Black 1 MegOhm Resistor  
**B7504** Black No Resistor  
**B7508** Black 2 MegOhm Resistor

Resistor: 1 MegOhm, 2 MegOhm, and No-Resistor models  
 RTG (w/ 1Meg): 1.1x10<sup>6</sup> (min. rating)  
 RTG (w/ 2Meg): 2.2x10<sup>6</sup> (min. rating)  
 Standards: ANSI/ESD S.20.20 & Mil-263A  
 Fastening system: ¾" x 7" Hook & Loop



STATIC SOLUTIONS WITH SAVINGS

**Blue Non-Marking Heel Grounders**

- B7571** Blue No Resistor
- B7573** Blue 1 MegOhm Resistor
- B7574** Blue 2 MegOhm Resistor



**Features:** Non-Marking Heel Grounders will not leave scuff marks and blemishes on your floor. It features a durable three layer rubber.

Cup Design: 1.5" x 7.5" Three Layer Rubber  
 Sole Interior: Non-Marking Rubber  
 Sole Inside: Conductive Rubber  
 Sole Exterior: Non-Marking Rubber  
 Thickness: 0.130  
 Resistor: 1 MegOhm, 2 MegOhm, and No-Resistor models  
 RTG (w/ 1Meg): <math>10^9</math> (min. rating)  
 RTG (w/ 2Meg): <math>10^9</math> (min. rating)  
 Standards: ANSI/ESD S.20.20 & Mil 263  
 Fastening system: 3/4" x 7" Stretch Hook & Loop

HEEL GRINDER  
**NON-MARKING**

**Yellow Non-Marking Heel Grounder**

- B75250** Yellow 1 MegOhm Resistor



**D-Ring Heel Grounders**

- B7528** Royal Blue 1 MegOhm Resistor
- B7529** Bright Red 1 MegOhm Resistor

**Features:** D-Ring Heel Grounders feature a single hook and loop strap that make for easy fastening.

Resistor: 1 MegOhm, 2 MegOhm, and No-Resistor models  
 RTG (w/ 1Meg):  $1.1 \times 10^6$  (min. rating)  
 RTG (w/ 2Meg):  $2.2 \times 10^6$  (min. rating)  
 Standards: ANSI/ESD S.20.20 & Mil 263  
 Fastening system: 3/4" x 14" Hook & Loop w/ plastic D-Ring

HEEL GRINDER  
**D-RING**



**Hi-Visibility Heel Grounders**

- B7595** Yellow 1 MegOhm Resistor

**Features:** Botron's all new Hi-Visibility Heel Grounder is designed with a Day-Glow hook and loop fastening system as well as the heel strap for greater visibility on the work floor.

Cup Design: 1.5" x 7.5" Two Layer Rubber w/ day glow elastic heel strap  
 Resistor: 1 MegOhm  
 RTG (w/ 1Meg):  $1.1 \times 10^6$  (min. rating)  
 RTG (w/ 2Meg):  $2.2 \times 10^6$  (min. rating)  
 Standards: ANSI/ESD S.20.20 & Mil 263  
 Fastening system: 3/4" x 7" Stretch Hook & Loop

HEEL GRINDER  
**HI-VISIBILITY**



**NEW HI-VISIBILITY CUP DESIGN**

**Black Snap-Loc Heel Grounders**

- B7525** Black Elastic 1 MegOhm Resistor
- B7526** Black Elastic No Resistor
- B7527** Black Elastic 2 MegOhm Resistor

**Features:** Snap-Loc Heel Grounders utilize a snap-loc buckle for quick fastening as well as an elastic strap for a snug fit.

Resistor: 1 MegOhm, 2 MegOhm, and No-Resistor models  
 RTG (w/ 1Meg):  $1.1 \times 10^6$  (min. rating)  
 RTG (w/ 2Meg):  $2.2 \times 10^6$  (min. rating)  
 Standards: ANSI/ESD S.20.20 & Mil 263  
 Fastening system: Plastic Locking Snap Mechanism

HEEL GRINDER  
**SNAP-LOC**



STATIC SOLUTIONS WITH SAVINGS

TOE GROUNTER  
**ERGO-ONE**



Cup Design: 1.5" x 7.5" Two Layer Rubber  
 Sole Interior: Non-Marking Rubber  
 Sole Exterior: Conductive Rubber 5 x 10<sup>3</sup>  
 Ribbon: 10" Conductive Nylon  
 Charge Decay: <0.01Sec  
 Thickness: 0.080  
 Resistor: 1 MegOhm, 2 MegOhm, and No-Resistor models  
 RTG (w/ 1Meg): 1.1x10<sup>6</sup> (min. rating)  
 RTG (w/ 2Meg): 2.2x10<sup>6</sup> (min. rating)  
 Standards: ANSI/ESD S.20.20 & Mil 263  
 Fastening system: Plastic Locking Snap  
 Packing: 1 per bag / bags of 25

**Black Ergo-One Toe Grouters**  
**B7522** Black 1 MegOhm Resistor  
**B7523** Black No Resistor  
**B7524** Black 2 MegOhm Resistor  
**B7520** Day Glow 1 MegOhm Resistor

**Features:** The cup of the Ergo One toe grounder is constructed of a 5" long piece of dual layer rubber, with a non-marking interior and a conductive rubber outer layer. All of our Toe Grouters utilize our elastic stretch strap and snap-loc design.

SOLE GROUNTER  
**FULL COVERAGE**



Cup Design: Sm. - 7"/ Med. - 7.5"/ Lg. - 9"  
 Sole Interior: Non-Marking Rubber  
 Sole Exterior: Conductive Rubber 5 x 10<sup>3</sup>  
 Ribbon: 24" Conductive Nylon  
 Charge Decay: <0.01Sec  
 Thickness: 0.080  
 Resistor: 1 MegOhm and 2 MegOhm  
 RTG (w/ 1Meg): 1.1x10<sup>6</sup> (min. rating)  
 Standards: ANSI/ESD S.20.20 & Mil 263  
 Fastening system: ¾" x 8" Stretch Hook & Loop w/ plastic D-Ring  
 Packing: 1 per bag / bags of 10

**Black Full Coverage Sole & Heel Grouters**  
**B7505** Small Black 1 MegOhm Resistor  
**B7505R** Small Red 1 MegOhm Resistor  
**B7506** Medium Black 1 MegOhm Resistor  
**B7506B** Medium Blue 1 MegOhm Resistor  
**B7507** Large Black 1 MegOhm Resistor  
**B7507-XL** XL Black 1 MegOhm Resistor

**Features:** The Full Coverage Sole Grounder is designed to provide maximum surface coverage. The benefit of wearing a sole grounder is always maintaining contact with the floor surface whether on heel or toe.

HEEL GROUNTER  
**DISPOSABLE**



Fabric: Non-woven polyester  
 RTG: <3.5 x 10<sup>7</sup>  
 Color: Hi Visibility Yellow  
 Size: 11 3/4 x 1/2  
 Packing: 100 per pack

**Disposable Heel Grouters**  
**B750368** Disposable High Visibility Yellow

**Features:** Botron's disposable heel ground is the ideal solution for visitors and temporary personnel on the work floor of static controlled environments. It is a non-woven polyester with a wide conductive fiber strip. It easily adheres to the sole of the shoe and tucks conveniently into footwear.

**GREAT VALUE FOR ONE TIME USE**

SHOE COVERS  
**DISPOSABLE**



**B20020**  
 Material: 100% Polypropylene  
 Sizes: Lg. - 16.5" x 7.5"  
 XL. - 17.5" x 7.5"  
 Surface Resistance: <10<sup>6</sup>  
 Ribbon: 12"  
 Tension Strength: 15Mpa  
**B20023**  
 Material: 100% Polypropylene  
 Sizes: Lg. - 16" x 6"  
 XL. - 18" x 6"  
 Particles: 199 average

**Disposable Shoe Covers**  
**B20020** Conductive Shoe Covers (300/pk)  
**B20023** Polypropylene Shoe Covers (300/pk)

**Features:** Botron's shoe covers are constructed from a medium weight spun polypropylene fabric. Our conductive shoe covers feature a sewn-in conductive ribbon with a surface resistance of 10<sup>6</sup>. Both the B20020 and B20023 come in two sizes.



STATIC SOLUTIONS WITH SAVINGS

**G.E.M. ESD Coil Cords**

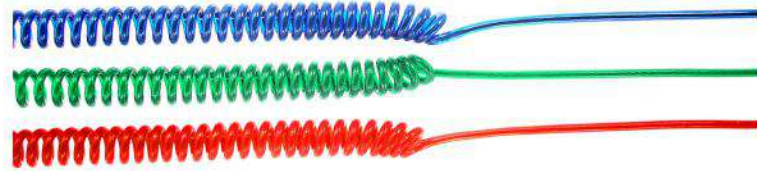
- B2308** Ruby G.E.M. Line 6' coil cord 1/8" snap
- B2328** Ruby G.E.M. Line 12' coil cord 1/8" snap

- B2448** Emerald G.E.M. Line 6' coil cord 1/8" snap
- B2428** Emerald G.E.M. Line 12' coil cord 1/8" snap

- B2508** Sapphire G.E.M. Line 6' coil cord 1/8" snap
- B2528** Sapphire G.E.M. Line 12' coil cord 1/8" snap

**SEE PAGE 7 FOR WRIST STRAP SETS**

COIL CORDS  
**G.E.M.**



"G.E.M." coil cords come in 6' or 12' lengths. They are available with a spring loaded 1/8" (4mm) connector to standard banana jack to ensure a reliable path to ground. Each cord comes with a slip on alligator clip that attaches to the banana jack for greater expansion of use. G.E.M. coil cords allow work room supervisors to easily detect when workers are properly grounded. Available in 3 vivid colors.

COIL CORDS  
**LONG LIFE**



**Standard Coil Cords**

- B2004** Standard Coil Cord 6' 1/4" snap
- B2008** Standard Coil Cord 6' 1/8" snap
- B2024** Standard Coil Cord 12' 1/4" snap
- B2028** Standard Coil Cord 12' 1/8" snap



**Dual Wire Coil Cords**

- B2606** Dual Wire Coil Cord 6', Mono Jack
- B2612** Dual Wire Coil Cord 12', Mono Jack  
(Both to be used with B920724 Monitor)



**Dual Coil Cords**

- B2184** Dual Standard Coil 2- 6' 1/8" snap
- B2188** Dual Standard Coil 2- 12' 1/8" snap



**Light Weight Coil Cords**

- B2108** Light Weight Coil Cord 6' 1/8" snap
- B2110** Light Weight Coil Cord 12' 1/8" snap



**Green Lead Free Coil Cords**

- B2008G** Green Coil Cord 6' 1/8" snap
- B2028G** Green Coil Cord 12' 1/8" snap



**90° Coil Cords**

- B2118** 90° Angle Coil Cord 6' 1/8" snap
- B2128** 90° Angle Coil Cord 12' 1/8" snap



**Field Service Coil Cords**

- B2185** Field Service Coil Cord 8' 1/4" snap & 10' 1/4" snap

**Design:**

Botron Long Life coil cords are made of black PVC insulation and 7 strand tinsel wire that provides superior strain reliefs at both ends. All Long Life coil cords come with a built in 1meg Ohm 1/4 watt resistor at snap end. Most models available in lengths of 6' and 12' long.

**Mounting System:**

Available in either a spring loaded 1/8" (4mm) or 1/4" (7mm) socket connector to standard banana jack applications. Each cord comes with a slip on alligator clip that attaches to the banana jack for greater expansion of use.

**Standards:**

Meets S1.1 of one to five pounds breakaway force



STATIC SOLUTIONS WITH SAVINGS

WRIST STRAPS  
**G.E.M.**



"G.E.M." coil cords are built on the same high quality platform as the "Long Life" wrist strap sets and offer the same durability and superior life. The G.E.M. line is unique in that its high visibility makes them easy to identify in the work environment.

- Notes:**
- Lead-free RoHS compliant
  - High visibility
  - Available in Ruby Red, Emerald Green and Sapphire Blue
  - One size fits all
  - Translucent coil cords
  - Barrel type banana jack
  - 1/8" (4mm) stud
  - Coil has built in One MegOhm resistor
  - Superior Strain relief
  - Removable alligator clip with set

**G.E.M. Wrist Straps**

- B9908** Ruby adjustable set w/6' coil 1/8" snap
- B9928** Ruby adjustable set w/12' coil 1/8" snap
- B9938** Ruby band only w/1/8" snap
- B9948** Emerald adjustable set w/6' coil 1/8" snap
- B9958** Emerald adjustable set w/12' coil 1/8" snap
- B9968** Emerald band only w/1/8" snap
- B9978** Sapphire adjustable set w/6' coil 1/8" snap
- B9988** Sapphire adjustable set w/12' coil 1/8" snap
- B9998** Sapphire band only w/1/8" snap

**SEE PAGE 17 FOR MONITORING**

WRIST STRAPS  
**LONG LIFE**



**Standard Adjustable Wrist Straps**

- B9008** Standard Adjustable set w/6' coil 1/8" snap
- B9004** Standard Adjustable set w/6' coil 1/4" snap
- B9028** Standard Adjustable set w/12' coil 1/8" snap
- B9024** Standard Adjustable set w/12' coil 1/4" snap
- B9018** Light Weight Adjustable set w/6' coil 1/8" snap
- B9010** Light Weight Adjustable set w/12' coil 1/8" snap
- B9038** Standard band only w/1/8" snap
- B9034** Standard band only w/1/4" snap

High quality Long Life adjustable anti static wrist strap sets are available in a 6' or 12' standard coil cord design. They provide the performance and reliability of a metal band with the comfort of cloth. The blue knitted material has a soft outer area and a 5/8" conductive area on the inside. Unlike many others which have 3-5 rows of conductive thread, these have a 5/8" area of solid conductive material, the largest conductive area on the market.

- Material:**
- Knitted 3/4" wide stretch elastic and cotton band
  - 5/8" wide conductive woven thread
  - Stainless steel back plate
  - Composite face with metal snap
  - PVC cord and 7 strand tinsel wire

**Meets Standards:**  
ANSI EOS/ESD S4.1 RTG



**Green Lead Free Wrist Straps**

- B9008G** Green "Lead Free" Adjustable set with 6' coil 1/8"
- B9028G** Green "Lead Free" Adjustable set with 12' coil 1/8"
- B9038G** Green "Lead Free" band only with 1/8" snap



**Burgundy Constant Contact Hinge Wrist Straps**

- B96108** Burgundy adjustable set w/6' coil 1/8" snap
- B96128** Burgundy adjustable set w/12' coil 1/8" snap
- B96138** Burgundy band only w/1/8" snap



**Blue Constant Contact Hinge Wrist Straps**

- B9608** Blue adjustable set w/6' coil 1/8" snap
- B9628** Blue adjustable set w/12' coil 1/8" snap
- B9638** Blue band only w/1/8" snap





STATIC SOLUTIONS WITH SAVINGS

WRIST STRAPS  
**ADJUSTABLE**



**Dual Wire Adjustable Fabric Wrist Straps**

- B9506** Dual Wire adjustable wrist strap w/ 6' coil mono jack
- B9512** Dual Wire adjustable wrist strap w/12' coil mono jack
- B9587** Dual Wire adjustable wrist strap only



- Back Plate: Stainless Steel
- Snap: 2 - 1/8"
- Coil: 6' & 12' Mono Jack

**FOR COIL CORDS  
SEE PAGE 6**

**Dual Wire Wrist Straps**

- B9358** Dual wrist strap w/6' coil & dual 1/8" snap
- B9359** Dual wrist strap w/12' coil & dual 1/8" snap
- B9357** Dual wrist strap only 1/8" stud



Fully adjustable metal wrist strap sets are made of a stainless steel carbon free design that makes it an ideal solution for cleanroom environments.

**Black Metal Adjustable Wrist Straps**

- B9478** Black Metal set w/6' coil 1/8" snap
- B9479** Black Metal set w/12' coil 1/8" snap
- B9477** Black Metal band only w/1/8" stud



Dual Mono Jack wrist straps sold in both metal and fabric, features a single mono jack fastener, capable of reading both sides of the wrist strap. For use with continuous monitors.

**Dual Mono Jack Wrist Straps**

- B95707** Dual Metal Set - Medium w/6' coil cord mono jack
- B95710** Dual Metal Set - Medium w/12' coil cord mono jack
- B9578** Dual Metal band only - Medium w/mono jack



Lightweight thermoplastic wrist straps are designed for comfort and portability. The zipper style latching system adjusts to fit any size.

**Blue Lightweight Wrist Straps**

- B9606** Blue Thermoplastic set w/6' coil 1/8" snap
- B9607** Blue Thermoplastic band only w/1/8" stud



- Band: 10.5" Hook and Loop Strap
- Conductive area: 3/4" wide
- Fastening System: Plastic D-Ring
- Snap: 1/8" and 1/4" Snap
- Coil: 6' & 12' Barrel Type

**Hook & Loop Wrist Straps**

- B9268** Blue hook and loop set w/6' coil 1/8" snap
- B9264** Blue hook and loop set w/6' coil 1/4" snap
- B9248** Blue hook and loop set w/12' coil 1/8" snap
- B9244** Blue hook and loop set w/12' coil 1/4" snap
- B9258** Blue hook and loop band only w/1/8" stud
- B9254** Blue hook and loop band only w/1/4" stud
- B9208** Black hook and loop set w/6' coil 1/8" snap
- B9204** Black hook and loop set w/6' coil 1/4" snap
- B9228** Black hook and loop set w/12' coil 1/8" snap
- B9224** Black hook and loop set w/12' coil 1/4" snap
- B9238** Black hook and loop band only w/1/8" stud
- B9234** Black hook and loop band only w/1/4" stud



Disposable fabric wrist straps are 54" in length and have a 1 Meg Ohm resistor built into the fabric.

**Disposable Wrist Straps**

- B9601-5406** Fabric Disposable Wrist Strap



STATIC SOLUTIONS WITH SAVINGS

DISSIPATIVE RUBBER MAT  
**2 - LAYER T2**



	Thickness	Top	Bottom	RTT	RTG
T2	.060"	<10 <sup>9</sup>	<10 <sup>6</sup>	10 <sup>6</sup> - 10 <sup>8</sup>	10 <sup>6</sup> - 10 <sup>8</sup>

- Green 2-Layer ESD Rubber Mat**  
**B6223** 2' x 3' mat w/hardware  
**B6224** 2' x 4' mat w/hardware  
**B6225** 2' x 5' mat w/hardware  
**B62304** 30" x 4' mat w/hardware
- B62250** 2' x 50' roll  
**B62350** 3' x 50' roll  
**B62450** 4' x 50' roll  
**B623050** 30" x 50' roll

- Blue 2-Layer ESD Rubber Mat**  
**B6123** 2' x 3' mat w/hardware  
**B6124** 2' x 4' mat w/hardware  
**B6125** 2' x 5' mat w/hardware  
**B61304** 30" x 4' mat w/hardware
- B61250** 2' x 50' roll  
**B61350** 3' x 50' roll  
**B61450** 4' x 50' roll  
**B613050** 30" x 50' roll

**Features:** Type T2 rubber table mats dual layer design provide excellent electricals and durability and will withstand hot solder and chemical abrasion. It exceeds both EOS/ESD and Department of Defense requirements. All pre-cut mats come with attached snap and one B9703 common point ground.

- Gray 2-Layer ESD Rubber Mat**  
**B6423** 2' x 3' mat w/hardware  
**B6424** 2' x 4' mat w/hardware  
**B6425** 2' x 5' mat w/hardware  
**B64304** 30" x 4' mat w/hardware
- B64250** 2' x 50' roll  
**B64350** 3' x 50' roll  
**B64450** 4' x 50' roll  
**B643050** 30" x 50' roll

DISSIPATIVE RUBBER MAT  
**2 - LAYER T2+**



	Thickness	Top	Bottom	RTT	RTG
T2+	.080"	<10 <sup>9</sup>	<10 <sup>6</sup>	10 <sup>6</sup> - 10 <sup>8</sup>	10 <sup>6</sup> - 10 <sup>8</sup>

- Gray Premium 2-Layer ESD Mat**  
**B6623** 2' x 3' mat w/hardware  
**B6624** 2' x 4' mat w/hardware  
**B6625** 2' x 5' mat w/hardware  
**B66304** 30" x 4' mat w/hardware
- B66240** 2' x 40' roll  
**B66340** 3' x 40' roll  
**B66440** 4' x 40' roll  
**B663040** 30" x 40' roll

- Green Premium 2-Layer ESD Mat**  
**B62823** 2' x 3' mat w/hardware  
**B62824** 2' x 4' mat w/hardware  
**B62825** 2' x 5' mat w/hardware  
**B628304** 30" x 4' mat w/hardware
- B628240** 2' x 40' roll  
**B628340** 3' x 40' roll  
**B628440** 4' x 40' roll  
**B6283040** 30" x 40' roll

**Features:** Type T2+ premium rubber table mats dual layer design provide excellent electricals and durability and will withstand hot solder and chemical abrasion. It exceeds both EOS/ESD and Department of Defense requirements. All pre-cut mats come with attached snap and one B9703 common point ground.

- Blue Premium 2-Layer ESD Mat**  
**B6523** 2' x 3' mat w/hardware  
**B6524** 2' x 4' mat w/hardware  
**B6525** 2' x 5' mat w/hardware  
**B65304** 30" x 4' mat w/hardware
- B65240** 2' x 40' roll  
**B65340** 3' x 40' roll  
**B65440** 4' x 40' roll  
**B653040** 30" x 40' roll

DISSIPATIVE VINYL MAT  
**3 - LAYER TYPE Z**



	Thickness	Top	Bottom	RTT	RTG
Z	.120"	<10 <sup>7</sup>	<10 <sup>8</sup>	10 <sup>7</sup> - 10 <sup>8</sup>	10 <sup>6</sup> - 10 <sup>8</sup>

**Features:** Botron's Type Z vinyl ESD table mats feature a unique three layer design, provide excellent electricals, and ergonomic comfort that only a foam back material can provide. It exceeds both EOS/ESD and Department of Defense requirements. All pre-cut mats come with attached snap and one B9703 common point ground.

- Light Blue 3-Layer ESD Mat**  
**B4123** 2' x 3' mat w/hardware  
**B4124** 2' x 4' mat w/hardware  
**B4125** 2' x 5' mat w/hardware  
**B41304** 30" x 4' mat w/hardware
- B41250** 2' x 50' roll  
**B41350** 3' x 50' roll  
**B41450** 4' x 50' roll  
**B413050** 30" x 50' roll

**SEE PAGE 16 FOR  
GROUNDING**



STATIC SOLUTIONS WITH SAVINGS

DISSIPATIVE RUBBER MAT  
**3 - LAYER T3**

**Blue ESD Mat**

- B3123 2' x 3' mat w/hardware
- B3124 2' x 4' mat w/hardware
- B3125 2' x 5' mat w/hardware
- B31304 30" x 4' mat w/hardware

- B31250 2' x 50' roll
- B31350 3' x 50' roll
- B31450 4' x 50' roll
- B313050 30" x 50' roll

**Gray ESD Mat**

- B3423 2' x 3' mat w/hardware
- B3424 2' x 4' mat w/hardware
- B3425 2' x 5' mat w/hardware
- B34304 30" x 4' mat w/hardware

- B34250 2' x 50' roll
- B34350 3' x 50' roll
- B34450 4' x 50' roll
- B343050 30" x 50' roll

**Green ESD Mat**

- B3223 2' x 3' mat w/hardware
- B3224 2' x 4' mat w/hardware
- B3225 2' x 5' mat w/hardware
- B32304 30" x 4' mat w/hardware

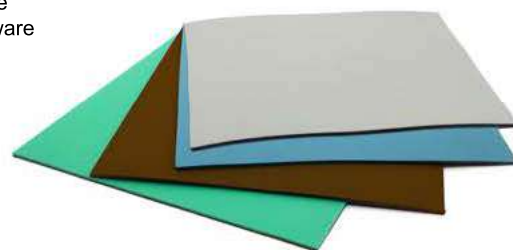
- B32250 2'x 50' roll
- B32350 3'x 50' roll
- B32450 4'x 50' roll
- B323050 30" x 50' roll

**Brown ESD Mat**

- B3623 2' x 3' mat w/hardware
- B3624 2' x 4' mat w/hardware
- B3625 2' x 5' mat w/hardware
- B36304 30" x 4' mat w/hardware

- B36250 2' x 50' roll
- B36350 3' x 50' roll
- B36450 4' x 50' roll
- B363050 30" x 50' roll

**BEST SELLER!**



**Features:** Type T3 dissipative three layer rubber table mat is .120" thick. It is reversible with a static dissipative top, foam center and black conductive underside. It will not burn and is chemical resistant. 50' long rolls are available in widths of 2', 30", 3' and 4'. It is also available in many pre-cut sizes with grounding hardware and common point ground. Choose from Blue, Gray, Green, and Brown colors. All mats meet EOS/ESD standards.

	Thickness	Top	Bottom	RTT	RTG
T3	.120"	<10 <sup>9</sup>	<10 <sup>6</sup>	10 <sup>6</sup> - 10 <sup>8</sup>	10 <sup>6</sup> - 10 <sup>8</sup>

**Blue ESD Mat**

- B5123 2' x 3' mat w/hardware
- B5124 2' x 4' mat w/hardware
- B5125 2' x 5' mat w/hardware
- B5126 2' x 6' mat w/hardware
- B51304 30" x 4' mat w/hardware

- B51250 2' x 50' roll
- B513050 30" x 50' roll
- B51350 3' x 50' roll
- B51450 4' x 50' roll

- Solid vinyl construction
- Excellent electricals
- Reversible
- Easy to clean

**Features:** Type B+ mat is a solid vinyl design that provides excellent electricals and superior durability. Being constructed of solid vinyl means it's not only durable but it is also reversible. Type B+ exceeds both EOS/ESD and Department of Defense requirements. All pre-cut mats come with attached snap and one B9703 common point ground.

DISSIPATIVE VINYL MAT  
**TYPE B+**



	Thickness	Top	Bottom	RTT	RTG
B+	.090"	<10 <sup>7</sup>	--	10 <sup>7</sup> - 10 <sup>8</sup>	10 <sup>6</sup> - 10 <sup>8</sup>

**Technical Operator Pad**

- B5518 18" x 23" x 1/4" blue mat
- B55240 2' x 40' x 1/4" blue roll

**Disk Drive Mat**

- B5418 18" x 23" x 3/8" blue mat
- B543060 30" x 60' x 3/8" blue roll
- B54360 3' x 60' x 3/8" blue roll

- Available in 2 thicknesses
- Dissipative top layer
- Ergonomic
- Meets ANSI/EOS/ESD S20.20 Standards

**Features:** Type E Technical Operator Pad (TOP) and Type E+ Disk Drive Mat (DDM) are a soft vinyl foam material. TOP and DDM mats come in two thicknesses, 1/4" and 3/8" respectively, and provide comfort and can protect parts susceptible to physical shock and damage. They can be used on benches, carts, inside trays, shelves or to provide a static safe work area. No grounding is needed when used over a hard dissipative surface.

DISSIPATIVE VINYL FOAM  
**TYPE E/TYPE E+**



	Thickness	Top	Bottom	RTT	RTG
E	1/4"	<10 <sup>10</sup>	--	10 <sup>8</sup> - 10 <sup>10</sup>	10 <sup>8</sup> - 10 <sup>10</sup>
E+	3/8"	<10 <sup>10</sup>	--	10 <sup>8</sup> - 10 <sup>10</sup>	10 <sup>8</sup> - 10 <sup>10</sup>



STATIC SOLUTIONS WITH SAVINGS

ANTI-FATIGUE FLOOR MATS  
**TYPE-SF**



- Durable 1/2" conductive vulcanized rubber
- Tapered edge
- Domed surface for added comfort
- Non-slip design
- Available in black

**Soft Foot Rubber Floor Mats**  
**B4423** 2' x 3' mat w/hardware  
**B4434** 3' x 4' mat w/hardware

**Features:** Conductive Soft Foot floor mats are designed to add comfort to hard surfaces. These slip and soil resistant mats are 1/2" thick. They exceed both EOS/ESD and Department of Defense requirements. Available in pre-cut floor mats with molded edges. Does not include grounding hardware.

	Thickness	Top	Bottom	RTT	RTG
SF	1/2"	<10 <sup>6</sup>	--	10 <sup>5</sup> - 10 <sup>5</sup>	10 <sup>5</sup> - 10 <sup>5</sup>

ANTI-FATIGUE FLOOR MATS  
**TYPE-DP**



- Durable vinyl top layer
- Non-slip design
- Easy to clean
- Anti-fatigue backing
- Long lasting

**9/16" Heavy Duty Anti-Fatigue Floor Mats**  
**B4023HD** 2' x 3' mat w/hardware  
**B4035HD** 3' x 5' mat w/hardware  
**B40325HD** 3' x 25' runner  
**B40375HD** 3' x 75' runner  
**B40475HD** 4' x 75' runner

**1" Super Duty Anti-Fatigue Floor Mats**  
**B4023SD** 2' x 3' mat w/hardware  
**B4035SD** 3' x 5' mat w/hardware  
**B40325SD** 3' x 25' runner  
**B40375SD** 3' x 75' runner  
**B40475SD** 4' x 75' runner

**Features:** Type DP diamond plate vinyl mats and runners are designed to reduce strain from standing on hard surfaces. These slip and soil resistant mats are available with or without foam anti-fatigue backing. They exceed both EOS/ESD and Department of Defense requirements. Available in black runners, and pre-cut floor mats with molded edges and grounding hardware.

	Thickness	Top	Bottom	RTT	RTG
DP	HD - 9/16" SD - 1"	<10 <sup>6</sup>	--	10 <sup>5</sup> - 10 <sup>6</sup>	10 <sup>5</sup> - 10 <sup>6</sup>

ANTI-FATIGUE FLOOR MATS  
**TYPE-CST**



- Durable 1/8" vinyl top layer
- Energy absorbing
- Reduces strain
- Non-slip design
- Lead-free RoHS compliant

**1/2" Heavy Duty Anti-Fatigue Floor Mats**  
**B5723HD** 2' x 3' mat w/hardware  
**B5735HD** 3' x 5' mat w/hardware  
**B57325HD** 3' x 25' runner  
**B57375HD** 3' x 75' runner  
**B57475HD** 4' x 75' runner

**7/8" Super Duty Anti-Fatigue Floor Mats**  
**B5723SD** 2' x 3' mat w/hardware  
**B5735SD** 3' x 5' mat w/hardware  
**B57325SD** 3' x 25' runner  
**B57375SD** 3' x 75' runner  
**B57475SD** 4' x 75' runner

**Features:** Type CST smooth top vinyl mats and runners designed to reduce strain from standing on hard surfaces. These soil resistant mats are 1/8" thick, available with or without foam anti-fatigue backing. They exceed both EOS/ESD and Department of Defense requirements. Available in black runners, and pre-cut floor mats with molded edges and grounding hardware.

	Thickness	Top	Bottom	RTT	RTG
CST	HD - 1/2" SD - 7/8"	<10 <sup>6</sup>	--	10 <sup>5</sup> - 10 <sup>6</sup>	10 <sup>5</sup> - 10 <sup>6</sup>



STATIC SOLUTIONS WITH SAVINGS

ANTI-FATIGUE FLOOR MATS  
**TYPE-VR**

**Type-VR Anti-Fatigue Floor Mats**

- B7023** 2' x 3' mat w/hardware
- B7035** 3' x 5' mat w/hardware
- B70360** 3' x 60' runner
- B70460** 4' x 60' runner

- Durable 3/8" thick vinyl/foam construction
- Beveled edge
- Anti-fatigue design
- Pebble embossed surface texture



**Features:** Type VR anti-fatigue floor mats provide excellent electricals, and durability. It exceeds both EOS/ESD and Department of Defense requirements. Available in gray runners, and pre-cut floor mats with hardware.

	Thickness	Top	Bottom	RTT	RTG
VR	3/8"	<10 <sup>10</sup>	--	<10 <sup>10</sup>	<10 <sup>10</sup>

ANTI-FATIGUE FLOOR MATS  
**TYPE-S**

**Type-S Anti-Fatigue Floor Mats**

- BF435** 3' x 5' gray mat w/hardware
- BF335** 3' x 5' brown mat w/hardware
- BF436** 3' x 60' gray runner
- BF3360** 3' x 60' brown runner
- BF460** 4' x 60' gray runner



**AVAILABLE IN THESE COLORS**



**Features:** Type S vinyl anti-fatigue floor mats provide excellent electricals, and durability. It exceeds both EOS/ESD and Department of Defense requirements. Available in gray and brown runners, and pre-cut floor mats with hardware.

	Thickness	Top	Bottom	RTT	RTG
TS	3/8"	<10 <sup>10</sup>	--	<10 <sup>10</sup>	<10 <sup>10</sup>

ANTI-FATIGUE FLOOR MATS  
**TYPE-EM**

**Type-EM Anti-Fatigue Floor Mats**

- BEM220** 20" x 3' mat w/hardware
- BEM35** 3' x 5' mat w/hardware
- BEM36** 3' x 6' mat w/hardware
- BEM320** 3' x 20' runner

- Durable 5/8" thick sponge rubber construction
- Cross hatch surface texture
- Reduces strain
- Dissipative top layer



**Features:** Type EM Conductive Sponge rubber mats and runners designed to reduce strain from standing on hard surfaces. These slip and soil resistant mats are 5/8" thick with beveled edges on all sides. It exceeds both EOS/ESD and Department of Defense requirements. Available in black runners, and pre-cut floor mats with hardware.

	Thickness	Top	Bottom	RTT	RTG
EM	5/8"	<10 <sup>6</sup>	--	10 <sup>5</sup> x 10 <sup>6</sup>	10 <sup>5</sup> x 10 <sup>6</sup>



STATIC SOLUTIONS WITH SAVINGS

ANTI-FATIGUE FLOOR MATS  
**TYPE-CRC**



- Comfort anti-fatigue support
- Non-slip design
- Reduces strain
- Easy to clean

**5/8" Heavy Duty Anti-Fatigue Floor Mats**

- B4723HD** 2' x 3' mat w/hardware
- B4735HD** 3' x 5' mat w/hardware
- B47325HD** 3' x 25' runner
- B47375HD** 3' x 75' runner

**1" Super Duty Anti-Fatigue Floor Mats**

- B4723SD** 2' x 3' mat w/hardware
- B4735SD** 3' x 5' mat w/hardware
- B47325SD** 3' x 25' runner
- B47375SD** 3' x 75' runner

**Features:** Conductive CRC anti-fatigue floor mats and runners are designed to add comfort to hard surfaces. They feature a slip and soil resistant top and an anti-fatigue bottom that will reduce standing fatigue in the work environment. They exceed both EOS/ESD and Department of Defense requirements. Available in runners, and pre-cut floor mats with beveled edges and grounding hardware.

	Thickness	Top	Bottom	RTT	RTG
CRC	HD - 5/8"	<10 <sup>6</sup>	--	10 <sup>5</sup> - 10 <sup>6</sup>	10 <sup>5</sup> - 10 <sup>6</sup>
	SD - 1"	<10 <sup>6</sup>	--	10 <sup>5</sup> - 10 <sup>6</sup>	10 <sup>5</sup> - 10 <sup>6</sup>

FLOOR MATS  
**TYPE-F**



- Durable 1/8" thick vinyl
- Dissipative top layer
- Non-slip design

**Solid Vinyl Floor Mats**

- BV435** 3' x 5' gray mat w/hardware
- BV4360** 3' x 60' gray runner
- BV4460** 4' x 60' gray runner

**Features:** V-Groove non-slip floor mats provide excellent electricals and durability. It exceeds both EOS/ESD and Department of Defense requirements. Available in Gray runners, and pre-cut floor mats with hardware.

	Thickness	Top	Bottom	RTT	RTG
TF	1/8"	<10 <sup>10</sup>	--	<10 <sup>10</sup>	<10 <sup>10</sup>

FLOOR MATS  
**TYPE-DPM**



- Durable 1/8" thick solid rubber
- Non-slip design
- Easy to clean

**Solid Rubber Floor Mats**

- B4223** 2' x 3' mat w/hardware
- B4235** 3' x 5' mat w/hardware
- B42325** 3' x 25' runner
- B42375** 3' x 75' runner
- B42475** 4' x 75' runner

**Features:** Type DPM diamond plate rubber mats and runners are slip and soil resistant mats, 1/8" thick and also available with or without 9/16" or 1" foam anti-fatigue backing (see p.11). They exceed both EOS/ESD and Department of Defense requirements. Available in Black runners, and pre-cut floor mats with molded edges and grounding hardware.

	Thickness	Top	Bottom	RTT	RTG
DPM	1/8"	<10 <sup>6</sup>	--	10 <sup>5</sup> - 10 <sup>6</sup>	10 <sup>5</sup> - 10 <sup>6</sup>

FLOOR MATS  
**TYPE-CS**



- Smooth top
- Easy to clean
- Soil resistant

**Solid Rubber Floor Mats**

- B4323** 2' x 3' conductive mat w/hardware
- B4335** 3' x 5' conductive mat w/hardware
- B43375** 3' x 75' conductive runner
- B43475** 4' x 75' conductive runner

**Features:** Type CS smooth top rubber mats and runners are soil resistant mats, 1/8" thick and also available with or without 1/2" or 7/8" foam anti-fatigue backing (see p.11). They exceed both EOS/ESD and Department of Defense requirements. Available in Black runners, and pre-cut floor mats with molded edges and grounding hardware.

	Thickness	Top	Bottom	RTT	RTG
CS	1/8"	<10 <sup>6</sup>	--	10 <sup>5</sup> - 10 <sup>6</sup>	10 <sup>5</sup> - 10 <sup>6</sup>



STATIC SOLUTIONS WITH SAVINGS

FIELD KIT  
**STANDARD**



**Standard Field Kit**  
**B1724** 24" x 24" red field kit  
**B1725** 24" x 24" blue field kit



**Pocket Field Kit**  
**B1715** 15" x 20" pocket field kit



**Field Kit w/ pouch**  
**B1822** 18" x 22" red field kit w/ pouch

**Features:** Designed as a portable ESD safe work surface, Botron's Field Kits come with adjustable ESD wrist strap and dual ground coil cord. Offered in three styles; the standard kit with two pouches, pocket kit for ultra portability, and the pouch kit for organized storage. All Field Kits are made of dissipative vinyl and meet S20.20, Mil -1686 & HDBK - 263 standards.

FK	Thickness	Top	Bottom	RTT	RTG
	.018"	<10 <sup>8</sup>	--	10 <sup>6</sup> - 10 <sup>8</sup>	--

**PORTABLE ESD  
SAFE SURFACE**

WORKSTATION KIT  
**ESD SAFE**

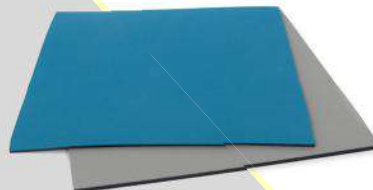
**Features:** Botron has made it easy to set up an ESD safe workstation with our new Workstation In A Box. Everything you need in one box, offered with either a 2' x 3' or 2' x 4' table mat and a 3' x 5' floor mat (available in three different materials). Choose from any type of the following floor matting: .080" two layer premium gray rubber, .080" solid black rubber or 1/8" V-Groove. Included in each kit is an adjustable wrist strap set (B9008), floor mat ground (B9701) and a 10' long common point ground (B9703).



**ESD Safe Workstation Kit**  
**B6423KIT** 2' X 3' gray .060 rubber table mat & 3' x 5' gray .080 rubber floor mat  
**B6424KIT** 2' X 4' gray .060 rubber table mat & 3' x 5' gray .080 rubber floor mat



**ESD Safe Workstation Kit**  
**B6123CKIT** 2' X 3' blue .060 rubber table mat & 3' x 5' black solid rubber .060 rubber floor mat  
**B6124CKIT** 2' X 4' blue .060 rubber table mat & 3' x 5' black solid rubber .060 rubber floor mat



**ESD Safe Workstation Kit**  
**B6123KIT** 2' X 3' blue .060 rubber table mat & 3' x 5' gray .080 rubber floor mat  
**B6124KIT** 2' X 4' blue .060 rubber table mat & 3' x 5' gray .080 rubber floor mat



**ESD Safe Workstation Kit**  
**B6123VKIT** 2' X 3' blue .060 rubber table mat & 3' x 5' V-Groove gray 1/8" floor mat  
**B6124VKIT** 2' X 4' blue .060 rubber table mat & 3' x 5' V-Groove gray 1/8" floor mat



STATIC SOLUTIONS WITH SAVINGS

WORK SURFACE  
**SNAPS & TOOL**



**Snap Tool**

**Features:** Simple and effective tool for attaching snaps or studs to table and floor mats. For use with B9848 and B9849 grounding sets.

**B9844** Snap tool



**3/8" Snaps & Rivets**

**Features:** 3/8" (10mm) studs for use with Snap Tool (B9844). An excellent way to be sure hardware is securely fastened to your ESD table mat. (100 sets per bag)

**B9848** 3/8" 10mm snaps & rivets - stud  
**B9849** 3/8" 10mm snaps & rivets - socket

GROUNDING  
**ADAPTERS**



**Alligator Clip**

**Features:** High quality clip for grounding wrist straps, connects to a standard banana plug. (20 per bag)

**B9841** Alligator Clip



**Push & Clinch w/ #10 Ring**

**Features:** Ring terminal to push & clinch accepts standard banana jack. For #8 wire, #10 ring (20 per bag)

**B9869** Push & Clinch w/ #10 ring



**Adapters & Ring Terminals**

**Features:** Molded snap adapters, banana ring terminals, wire ring terminals and push & clinch ring terminals. Various configurations available. (20 per bag)

**B9891** stacking snap w/#10 ring 3/8" female to 3/8" female to male

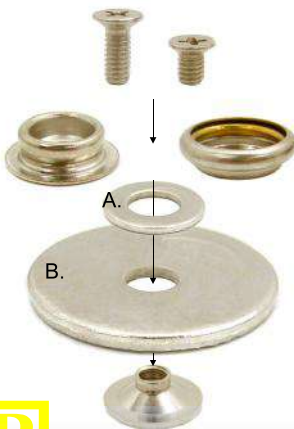


**Ring to Banana Jack**

**Features:** Ring terminal to banana jack accepts standard banana jack. (10 per bag)

**B9879** #12 wire/#10 ring to banana jack  
**B9880** #8 wire/#10 ring to banana jack

WORK SURFACE  
**SNAP KITS**



**Universal Snap Kit**

**Features:** Fast and easy way to install 10mm snaps or studs to soft work station materials such as matting. Includes 2 screws (floor and table mat lengths). 1 each: 10mm socket, 10mm stud, washer (figure A) and screw base. (20 per bag). The universal 3-layer snap kit also includes 2 - 1.25" washers. (figure B)

**B9865** Universal screw-in snap kit  
**B9866** Universal 3-layer snap kit



**Push & Clinch Snaps**

**Features:** Pronged 10mm sockets or 10mm studs. Easily installs onto multi-layer rubber or vinyl. Provides a strong contact for table matting. (20 per bag)

**B9867** Push & Clinch snaps - stud  
**B9868** Push & Clinch snaps - socket





STATIC SOLUTIONS WITH SAVINGS

**Table Mat Ground**

**B9703** Low Profile Common Point Ground 10'



**Features:** 10' long straight cable with molded in 1 Meg Ohm resistor. 3/8" (10mm) snap ensures secure connection to table mats. Includes two banana jack receptacles for wrist straps. #10 ring terminal for connection to ground.

**Bench Ground**

**B9742** Molded Bench Ground  
**B9743** Metal Bench Ground



**Features:** Molded enclosed box contains no metal edges and mounts under front edge of workstation. Includes a 10' long ground cable with #10 ring terminal connector. Two banana jack receptacles for secure ground connections. Two parking studs (4mm) for storing cords when not in use.

**Floor Mat Ground**

**B9701** Floor Mat Ground 10' 3/8"



**Features:** 10' long straight cable with no resistor and molded low profile mushroom cap. 3/8" (10mm) snap ensures secure connection to floor mats. #10 ring terminal for connection to ground.

**Quad Common Point Ground**

**B9704** Quad Ground No Resistor



**Features:** Low Profile molded enclosed box contains no metal edges and mounts under front edge of workstation. Includes a 10' long ground cable with #10 ring terminal connector. Four banana jack receptacles for secure ground connections.

**Straight Wire Ground**

**B9715** 10' Straight Wire Ground 1/4"  
Socket to Ring Terminal

**Features:** Black 10' long straight wire ground with 1/4" (7mm) snap to #10 ring terminal connections. No resistor.

GROUNDS  
**COMMON POINT**



GROUNDS  
**WORK BENCH**



GROUNDS  
**FLOOR MAT**



QUAD GROUNDS  
**COMMON POINT**

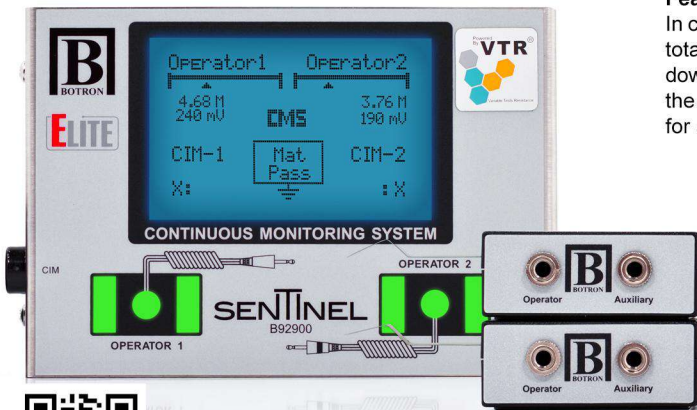


GROUNDS  
**STRAIGHT WIRE**



STATIC SOLUTIONS WITH SAVINGS

MONITORS  
**TWO OPERATOR**



**Features:** Total path to ground measurement is the apex of wrist strap constant monitoring. In contrast, resistance loop monitoring ignores the most vital part of an ESD Control Program, total resistance of a system. The Sentinel V2 measures the ESD device and the human body down a 2 conductor path to ground. This circuit differs from resistance loop monitoring in which the measurement is calculated with device resistors in a parallel path, halving the resistance for a truer more accurate reading.

- Data Recording
- ELITE WebApp UI
- 128 x 64 Graphical Display
- Network Capable
- Event Indicator
- Dual Wire System
- Relay Output Control
- 4 3/4" x 3 1/4" x 1"

**Test Voltage and Range**

Power input 12VDC, 500mA 2.5mm Barrel Plug  
 Operator Open test voltage: 1.25V  
 Operator Fail Low from 0 Ohm  
 Operator Fail High to 45M  
 Mat Open test voltage: 1.25V  
 Mat Fail Low from 100k  
 Mat Fail High to 20Meg  
 CIM Voltage from: 1V to 12V



**Continuous Monitor**  
B92900 ELITE Sentinel V2 Dual CMS

CONTINUOUS  
**MONITORS**



**Continuous Monitors**  
B9201 One Operator Continuous Monitor



**Continuous Monitors**  
B9202 One Operator & Mat Continuous Monitor



**Continuous Monitors**  
B9203 Two Operator & Mat Continuous Monitor



**Continuous Monitors**  
B92011 One Operator Continuous Monitor

**Features:** The Botron Continuous Monitors are designed to monitor resistance of both the work surface and the operator(s). They come with a LED and built in audible alarm, triggered when either the operator or work surface falls out of spec, becomes disconnected, or ground is lost. It is a fixed resistor system and is go no go, there is no calibration needed. A full time monitoring system is necessary to reduce latency on the assembly line.

CONTINUOUS  
**DUAL WIRE MONITORS**

**Features:** The Botron Dual Wire Monitors are designed for dual wire wrist strap applications and monitor resistance of both the work surface and the operator(s). They come with a LED and a built in audible alarm, triggered when either the operator or work surface falls out of spec, becomes disconnected, or ground is lost. These units can only be used with mono jack connectors. It is a fixed resistor system and is go no go, there is no calibration needed.

The B9203TB should be used to verify the B9201, B92011, B9202 and B9203 Constant Monitors.



**B9203TB Test Box for single wire monitors**



**Continuous Dual Wire Monitor**  
B92022 Dual Wire, Two Operator Monitor w/ two remotes



**Continuous Dual Wire Monitor**  
B92021 Dual Wire, One Operator Monitor w/ remote



**Resistive Dual Wire Monitor w/ Remote**  
B920724 Dual Wire Monitor  
B920733 Remote for Dual Wire Monitor  
B920732 Optional Dual Wire Remote



STATIC SOLUTIONS WITH SAVINGS

**Surface Resistivity Audit Kit**  
**B8572** Digital/Analog Audit Kit

**Features:** The most complete and accurate auditing tester on the market. Tests not only flooring and work surfaces, but grounds, garments, continuity and Ohms. Test voltages range from 10v - 500v. The large LCD displays not only real time test results but also test voltage. The B8572 Kit meets ANSI/ESD standards. It comes with probes and 2-5 lb weights packaged in a portable case.

- 3 Year Warranty
- Digital & Analog Readout
- 2 - 5lb Weights
- Displays Test Resistance & Ohm Meter
- Large Graphical Display
- Tests both A.C. & D.C. Voltage
- Meets ANSI/ESD S20.20
- Programmable Settings for Continuous Test

**Surface Resistivity Audit Kit**  
**B8582** Humidity & Temperature Survey Kit/Meter

**Features:** Botron's B8582 surface resistivity tester is used for measuring, but not limited to, work surfaces and flooring. It's easy to read LCD displays test results in scientific notation ranging from  $10^3 @ 10v$  to  $10^{12} @ 100v$ . It also records relative humidity and temperature which are important for accurate data recording and auditing. The B8582 can be used with or without the supplied electrodes, the back of the unit has built in leads that can be used to test any conductive or dissipative surface.

- Built-In Electrode Rails
- Digital Readout in Scientific Notation
- 2 - 5lb Weights
- Displays Temperature & Humidity
- Digital Display
- 10v - 100v Switch
- Meets ANSI/ESD S20.20
- Test Range from  $10^3$  to  $10^{12}$



**B8560** Surface Resistivity Tester



**B8563** Digital Surface Resistivity Tester  $10^3 - 12^1$

**Features:** Botron's series of surface resistivity testers are used for measuring, but not limited to, work surfaces and flooring. The testers' easy to read LEDs illuminate according to test results. These quick-test surface resistivity testers are light and portable and are ideal for on-the-spot testing of RTT and RTG (when using external probes).



**B8562** 100v Surface Resistivity Tester  
**B8562KIT** 100v Surface Resistivity Tester w/5lb weights and case.



**B85395** 15 Light Surface Resistivity Tester  
**B85395KIT** 15 Light Surface Resistivity Tester w/5lb weights and case.

**B8562 AVAILABLE WITH 5lb. WEIGHTS**

AUDIT TEST KITS  
**DIGITAL/ANALOG**



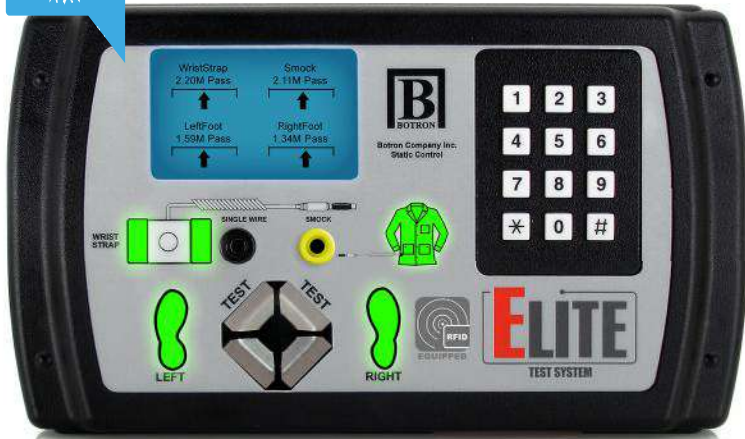
AUDIT TEST KIT  
**ESD SURVEY**



METERS  
**SURFACE RESISTIVITY**



STATIC SOLUTIONS WITH SAVINGS



**ELITE ESD Test Systems**

The ELITE ESD Test System is the most advanced data acquisition tester in the industry. Unparalleled in data management and technology, the robust features of the ELITE not only make it the most scalable but the number one preferred personal grounding tester by ESD coordinators.

**Sense Technology**

Sense Technology allows the ELITE to sense what testing item is being used. Smock, wrist strap, dual wire and even individual footwear.

**Browser Interface**

Control your ELITE from a Smartphone or Tablet or anything using a browser-based internet connection.

**Preventative Failure**

- Only available in the ELITE Test Systems
- Actively reduces failures on the line
- Fully adjustable resistance threshold from 100k to 1.5G
- Alerts personnel & supervisors of equipment nearing failures

**Smock Testing**

- Dedicated smock input
- Stores & polls smock test verification results
- User profile smock test selection
- Verify smocks at point of entry

**Software - ELITE DataSystem**

- Included
- Adjust Test Settings
- Automatic & Manual Polling
- Custom User/Employee Profiles
- Sortable Tables
- Controls test parameters and equipment

**Enterprise ELITE DataSystem**

- Includes everything from ELITE DataSystem
- More User Profile options
- Enables SQL Server Databases or Access Databases
- Decodes all HID bit formats
- & much more



**Flow management.**

Protect your ESD sensitive work areas with Botrons' all-new ELITE Access Control turnstile system. A very manageable way to ease and organize employee traffic both in and out of the work environment.

**Complete control.**

The ELITE has access control, therefore giving you total control. With all the features of the ELITE Test System standard, not only can you control who's entering your labs, but now you can control what resistance is required to enter your ESD sensitive environment.

**Bi-directional flow.**

The Bi-Directional flow of the ELITE Access Control bridges gaps in the work environment no other test system has been able to do before. We all know ESD labs often times contain within themselves areas with different EOS/ESD requirements. You can now set up test stations within your labs to control access to specific areas that may call for more stringent requirements.

**ELITE Access Control Turnstile System w/Footplate**

- B88015** ELITE Complete Access Control Turnstile - Barcode
- B88016** ELITE Complete Access Control Easy Pass - Barcode
- B88035** ELITE Complete Access Control Turnstile - HID
- B88036** ELITE Complete Access Control Easy Pass - HID
- B89015** ELITE On-Demand Access Control Turnstile
- B89016** ELITE On-Demand Access Control Easy Pass

**ELITE Wall Mount System w/Footplate**

- B88005** ELITE Complete Wall Station - Barcode
- B88025** ELITE Complete Wall Station - HID
- B89005** ELITE On-Demand Wall Station

**ELITE Accessories**

- B88100** ELITE Enterprise Software
- B88110** ELITE Wi-Fi Module



STATIC SOLUTIONS WITH SAVINGS



# SPEEDLANE

## Botron Elite SpeedLane ESD Test System

The most advanced access control for your ESD Protected Area. The SpeedLane can be configured as a single lane, or multi-lane system, depending on the number of workers that enter through each entrance. Rapid Solid State Technology speeds up personnel flow onto the production floor. Users are granted access only after all ESD Requirements are Met. Access is either granted or denied based upon our multi-factor verification protocol.

### Complete Control

With over 20 Selectable Test Combinations and full range adjustability, from 100K to 1.5 GigOhms, our Elite with VTR Technology gives you complete control.

### Access Control

Traffic flow is assisted by 3 sets of photo-electric sensors. An exit switch is provided to allow bi-directional flow.

Alarms are triggered on traffic faults, such as lane jumping, tailgating and reverse exit switch attempted entry.

### Accurate & Secure

Advanced Test Algorithms and Precision Analog hardware for the most reliable security and accuracy of any ESD Test System.

### Make a Statement

The SpeedLane's Acrylic gates are customizable with your company logo, providing a World-Class Quality Management Statement about your operation.

## Botron Elite SpeedLane ESD Test System

- B88140-L** Botron Stainless Steel ELITE SpeedLane Chassis - Left
- B88140-D** Botron Stainless Steel ELITE SpeedLane Chassis - Dual
- B88140-R** Botron Stainless Steel ELITE SpeedLane Chassis - Right

\*ELITE Options Form required to determine model.



# OMNIGND



## Multi-Ground Continuous Monitoring Automation System

The OMNIGND is the newest addition to the robust ELITE family of electronics from Botron Company Inc. With a rich feature set never before available, ESD facilities and sensitive component manufacturers can monitor critical grounds in real time in applications ranging from the benchtop to capital equipment.

Acting not only as a ground hub, the OMNIGND is analyzing, recording and storing crucial information about your facilities' grounds. Often overlooked and forgotten is the importance of verifying quality grounding points. More so, quality grounding paths.

## Multi-Ground Continuous Monitoring Automation System

**B92700** ELITE OMNIGND Monitor w/VTR

# GroundHog



## A Ground Hub & More

The G.E.M. B92500 GroundHog Monitoring System is a revolutionary new tool. Acting as a hub for up to 22 grounding points, you can now verify the quality of the ground point and the potential of each incoming ground.

## G.E.M. GroundHog Monitor Hub

**B92500** G.E.M. GroundHog Monitor



STATIC SOLUTIONS WITH SAVINGS

TEST STATION  
**ELITE TEST SYSTEM**



- 30 volt test
- Built in VTR Technology
- Tests both wrist straps and footwear
- Displays actual test resistance
- Network Capabilities
- HID and barcode reading
- Adjustable black stand
- Molded foot plate

- ELITE Test Station w/Footplate**  
**B88010** ELITE Complete TS - Barcode  
**B88030** ELITE Complete TS - HID  
**B88050** ELITE Complete Smock TS  
**B88070** ELITE Complete Smock TS - HID  
**B89010** ELITE On-Demand TS

- B88100** ELITE Enterprise Software  
**B88110** ELITE Wi-Fi Module



What happens if a worker grabs some equipment that is close to failure, tests and passes then heads out to the work area and fails on the line? Well that sounds like a costly oversight. Thankfully, these issues can now be avoided. Botron has developed a new test system, the ELITE, which can prevent those costly latent failures. Latency is the biggest problem in the ESD Industry. With the ELITE you have full control. Not only can its users test parameters be set internally, with our patented VTR Technology you can also set a preventative fixed test limit that informs both the worker and supervisor of equipment in danger of failure. Thus, avoiding latent failures.

Take full control of your facility with the ELITE test system. Customize each users test requirements (stores over 100k users), adjust test parameters, adjustable failure threshold (Failure Prevention Mode). The ELITE, unlike other data logging systems, is not computer dependant and will not lose data if the computer or power goes down.

TEST STATION  
**DUAL & COMBO**



**Features:** The B82450 Combo Test Station is made of the same high grade powered coated steel frame as the B82250. Standard equipment includes a single, solid aluminum foot plate and B8211 tester (see p.22). This combo test station will verify both wrist straps and footwear.

- 9 Volt Test
- Tests wrist straps
- Tests footwear
- Wrist strap - 750k - 10Meg
- Footwear - 750k - 100Meg
- Powder coated steel frame
- Solid aluminum foot plate

- Combo Test Station**  
**B82450** Combo Tester w/ Stand  
**B82452** Replacement plate 15" x 18"  
**B82451** Combo Tester & 7" x 18" plate



**Features:** Botron's Deluxe Dual Test Station features a sleek adjustable black frame and molded foot plate. Wires simply slip into the frame and are hidden and kept safe from snagging and interference. With the new dual tester, personnel can verify wrist straps and any type of footwear ranging from heel grounders to conductive shoes.

- 9 Volt Test
- Tests both right and left foot
- Wrist strap - 750k - 12Meg
- Footwear - 750k - 120Meg
- Hidden cord construction
- Molded foot plate
- Adjustable black frame

- Deluxe Test Station**  
**B8525** Deluxe Dual Test Station



- 30 volt test
- Built in VTR Technology
- Tests both wrist straps and footwear
- Displays actual test resistance
- Network Capabilities
- HID and barcode reading
- Molded foot plate

- ELITE Wall Mount System w/Footplate**  
**B88005** ELITE Complete Wall Station - Barcode  
**B88025** ELITE Complete Wall Station - HID  
**B89005** ELITE On-Demand Wall Station



**Features:** Botron's B8506 Wall Mount Test Station is an alternative to the B82450, for those that need wall hanging systems. It comes standard with a bright yellow back plate, a single solid aluminum foot plate, and B8211 tester.

- 9 Volt Test
- Tests wrist straps
- Tests footwear
- Wrist strap - 750k - 10Meg
- Footwear - 750k - 100Meg
- Bright yellow back plate
- Solid aluminum foot plate

- Wall Mount Test Station**  
**B8506** Wall Mount Test Station  
**B8506P** Replacement plate 7" x 18"



STATIC SOLUTIONS WITH SAVINGS

**FOR MORE INFO  
SEE PAGE 19 & 20**



- ELITE ESD Tester**  
**B88000** ELITE Complete - Barcode  
**B88020** ELITE Complete - HID  
**B88040** ELITE Complete Smock - Barcode  
**B88060** ELITE Complete Smock - HID  
**B89000** ELITE On-Demand

- B88100** ELITE Enterprise Software  
**B88110** ELITE Wi-Fi Module



- Verifies from 10k ohm - 1Gig ohm
- Portable
- Lightweight
- Easy to Use
- 4.6" x 3.4"
- includes 3' black & red test leads, (1) ground cord and (1) ethernet cable

**Decabox**  
**B88500** Decabox Calibrator for ELITE Testers



- Portable
- 9 volt battery
- LED light indicators
- Low cost
- 2.25" x 3"

**Portable Wrist Strap Tester**  
**B8203** Portable Wrist Tester

RESISTANCE TESTERS  
**WRIST & FOOTWEAR**

- Uses 9 volt battery
- Visual and audible alarms
- LED light indicators
- Large Test Plate
- Low battery indicator
- Wrist strap - 750k - 10Meg
- Footwear - 750k - 100Meg



**Wrist Strap Tester**  
**B8211** Touchplate Combo Tester

- Uses 9 volt battery
- Visual and audible alarms
- LED light indicators
- Large Test Plate
- Low battery indicator
- Wrist strap - 750k - 10Meg



**Wrist Strap Tester**  
**B8201** Touchplate Wrist Strap Tester

PORTABLE TESTERS  
**WRIST STRAP**

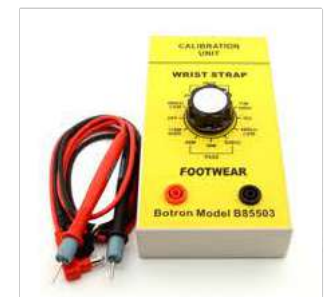
- Portable
- 9 volt battery
- LED light indicators
- Low cost
- 3" x 4.5"



**Portable Wrist Strap Tester**  
**B8202** Portable Wrist Tester

WRIST STRAP & FOOTWEAR  
**CALIBRATION UNIT**

- Verify wrist strap and footwear testers
- 2 test leads
- Selector dial
- Wrist strap range - 680k (low) - 11Meg (high)
- Footwear range - 680k (low) - 110Meg (high)



**Calibration Unit**  
**B85503** Calibration Unit

Botron recommends, in accordance with ANSI/ESD S20.20, to test all personal grounding equipment prior to entering a ESDS work environment. It is important to make sure all personal grounding equipment, including smocks, wrist strap systems, footwear and heel grounders do not exceed ANSI/ESD S20.20 requirements. All testers come with Calibration Certificates.

\*Calibration of all test equipment is an integral part to all ESD control programs. S20.20 7.3 suggest that a verification regimen shall be established and measurements are to be taken and documented to assure compliance with technical requirements.



STATIC SOLUTIONS WITH SAVINGS

IONIZER SYSTEM  
**INTELLIGENT**



**B496202** 6.3"H x 23.7"W x 3.4"D



**B496203** 6.3"H x 37"W x 3.4"D

**Over Head Intelligent Ionizers**  
**B496202** 2 Fan Overhead Intelligent Ionizer  
**B496203** 3 Fan Overhead Intelligent Ionizer

Botron's Intelligent Ionizer System comes in overhead and benchtop applications. Botron's DC ionizers are both incredibly accurate and effective at eliminating static charges. Coupled with the included software, our Intelligent Ionizers assure that your ionized areas are monitored and maintain an ESD safe environment.



- Real-Time Ion Balance Display
- Adjustable Alarm Level 5V - 50V
- Charge Sensing
- Self Cleaning
- Monitoring Software Available

**Bench Top Intelligent Ionizers**  
**B496201** Single Fan Intelligent Bench Top Ionizer - 9.8" x 6"

IONIZERS  
**HIGH FREQUENCY**



**B486102** 2.5"H x 26"W x 5.8"D



**B486103** 2.5"H x 39.4"W x 5.8"D

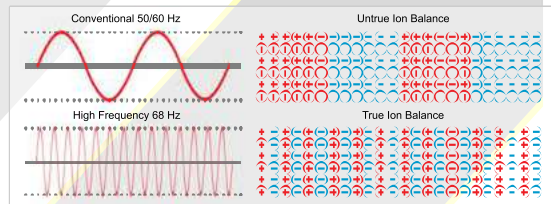


**B486104** 2.5"H x 47.3"W x 5.8"D

Botron's line of over head high frequency ionization equipment bring both performance and reliability to the workstation. The snap on fan grills make for stress free easy maintenance. There is no need to remove screws or use tools to access the fan blades and emitter pins.

- Decay < 2 sec @ 18"
- Slim Lightweight Design
- Abnormal HV alarm
- Adjustable Fan Speed
- Removable Fan Grills
- Does not need Calibration
- Green & Red LED Indicators
- Adjustable Air Flow Knob

**Over Head Ionizers**  
**B486102** 2 Fan Overhead Ionizer  
**B486103** 3 Fan Overhead Ionizer  
**B486104** 4 Fan Overhead Ionizer



- Decay < 1.5 sec @ 18"
- Dual Fans
- Abnormal HV alarm
- Adjustable blowing angle
- Adjustable fan speed

**Bench Top Ionizers**  
**B486150** Two fan high frequency bench top ionizer - 18.3" x 7"



- Decay < 1.5 sec @ 18"
- Light weight and compact design
- Abnormal HV alarm
- Adjustable blowing angle
- Adjustable fan speed

**Bench Top Ionizers**  
**B486121** Single fan high frequency bench top ionizer - 7.5" x 7"



- Adjustable Blowing Angle
- Quick Access Clip Design
- Green and Red LED Indicators
- Abnormal HV alarm
- Decay < 3 sec @ 18"

**Bench Top Ionizers**  
**B486110** Small high frequency bench top ionizer - 5.5" x 5.5"





STATIC SOLUTIONS WITH SAVINGS

HIGH FREQUENCY  
**IONIZING GUN**

**Features:** The B486710AG ionizing gun is the perfect solution for those who need pin point ionization of static sensitive parts. While eliminating static charge, it also removes any charged particles or debris that can collect on components. The hand held design also provides the freedom of use for operators.

**Blow-Off Gun**  
**B486710AG** Blow-Off Gun

- Modern Ergonomic Design
- Built-In Piezelectric Transformer
- Fast Descay Time
- Tungsten Alloy Ion Pins
- No High Voltage Cords



HIGH FREQUENCY  
**AIR SNAKE**

**Features:** The B48614SF ionizing Snake is the perfect solution for those who need pin point ionization of static sensitive components. While eliminating static charge, it also removes any charged particles or debris that can collect on components. The adjustable neck provides the freedom of use for operators as well as precision ionization.

**Ionizing Snake**  
**B48614SF** Ionizing Snake

- Auto ion balance
- Abnormal HV alarm
- Adjustable neck
- LED indicators
- Built in HV power supply
- Alloy discharge needle



HIGH FREQUENCY  
**AIR NOZZLE**

**Features:** The Botron piezoelectric ionization air nozzle is designed to eliminate static charge and other harmful contaminates. As with our other ionizers the B48NOP-S features an abnormal HV alarm and ionization indicator. It's uniquely compact design make this unit very versatile in tight areas that require ionization.

**Ion Air Nozzles**  
**B48NOP-S** Ion Air Nozzle w/ NOP-60S tip  
**B48NOP-P** Nozzle Tip  
**B48NOP-T** Nozzle Tip  
**B48NOP-D** Nozzle Tip  
**B48NOP-B** Nozzle Tip  
**B48NOP-60S** Nozzle Tip (shown on Ion Air Nozzle)



NEUTRALIZING  
**STATIC BAR**

**Features:** Botron's Neutralizing Static Bars are fixed, designed to eliminate static charging. Used in electronics, printing and other industries. Power supply sold separately.

- Cut to fit size
- Used with B487000 HV power supply
- Operating voltage 110 or 220V

**Static Bar**  
**B488000** Static Bar  
**High Voltage Power Supply**  
**B487000** HV Power Supply



STATIC SOLUTIONS WITH SAVINGS

ELECTROSTATIC  
FIELD METER



**ELITE AIM**  
B48382 Audit Ionization Meter



The Botron AIM Audit Ionization Meter is a compact, portable survey instrument for measuring electrostatic charge and ion balance. The AIM measures electrostatic charges up to 20 kV (20,000 V) at a distance of 1" (25 mm). Results are simultaneously displayed both numerically and in bar graph format on the large LCD. Also great for measuring ion balance on your workbench, the AIM will display ionization and polarity from -200V to +200V.

- Measures Static Charge and Ion Balance
- LCD with Digital Readout
- Dual Bar Graph Display for +/- Polarity
- Realtime Results
- Auto Shut Off
- Audible Alarm

**Measuring Range**

Static Voltage - 0 to ±1.49 kV (Lo range)  
Static Voltage - ± 1.0 kV to ± 20.0 kV (Hi range)  
Range hysteresis - ± 1.0kV to ± 1.5kV

Ion Balance - 0 to ± 200V

**Physical Properties**

Power Source - 9V Battery  
Size - 4 7/8" × 2 7/8" × 1"  
Weight - 6oz.

IONIZATION  
AUDIT EQUIPMENT



**Charge Plate Monitor**  
B486288 Charge Plate Monitor

**Features:** Botron's B486288 Charge Plate Monitor with data storage capabilities measures and stores positive and negative decay as well as ion balance and stamps temperature, humidity, time, and date. Fully programmable test functions, with ability to run a series of automated tests with the push of a button. The B486288 will not leave you limited like other charge plates on the market. Comes with bundled software for easy management of your equipment.

- Stores 1500 tests, 500 locations & 4 Protocols
- Manual & Automated Testing
- Fully Configurable Testing Parameters
- Software Included

**DATA STORAGE CAPABILITIES**



**Features:** Designed as an add-on for the B48282C (left) will charge the B48282 (right), permitting it to test and monitor the balance of ionization devices.

**Electrostatic Charger**  
B48282C Electrostatic Charger & Plate  
B48282KIT Charger, Meter & Plate



**Features:** The B48282 is a portable field meter used for detecting and measuring static potentials. Optional charge plate used to measure ionization.

**Electrostatic Field Meter**  
B48282 Electrostatic Field Meter



**Features:** The ultra-portable B48281 is a low cost alternative to the B48282, and is used to measure electrostatic charges.

**Digital Field Meter**  
B48281 Low Cost Digital Field Meter



STATIC SOLUTIONS WITH SAVINGS

Botron's BAVC20 and BAVCG20 are clean room compatible vacuum sealers that prevent particle generation and oil contamination. They feature one button touch sealing, preset vacuum controls and a large 22" x 22" x 4" stainless steel vacuum chamber that ensures clean, wrinkle-free seals without any bag distortion.

**Vacuum Sealers**

- BAVC20** 22" x 22" x 4" non gas
- BAVCG20** 22" x 22" x 4" w/ gas purge

**SEE PAGE 27 FOR VACUUM BAGS**

The BAVS20 was designed for heavy-duty applications. Side mounted heat and cool timers fitted to a powder coated steel chassis regulate seal parameters that are critical to obtaining airtight/watertight seals. Comes with a steel encased foot switch providing hands-free operation.

**Vacuum Sealers**

- BAVS20** 20" x 1/4" seal

Botron's BAVN series are foot pedal activated gas-flush vacuum systems. With a 1/4" (10mm optional) wide sealing element the BAVN series delivers a leak proof seal for electronic devices that require moisture barrier bags. The BAVN series are clean room compatible and it's gas-flush feature can be switched off for impulse heat only sealing.

**Vacuum Sealers**

- BAVN20** 20" x 1/4" seal
- BAVN25** 25" x 1/4" seal
- BAVN30** 30" x 1/4" seal
- BAVN35** 35" x 1/4" seal

**Conductive Bags**

- B17046** 4" x 6"
- B17610** 6" x 10"
- B17810** 8" x 10"
- B171012** 10" x 12"
- B171216** 12" x 16"



**Conductive Tubing**

- B17000/5** 5" x 500' 4mil
- B17000/8** 8" x 500' 4mil
- B17000/10** 10" x 500' 4mil
- B17000/12** 12" x 500' 4mil



Botron's Conductive Bags and Tubing are made of a volume conductive material designed for specialized storage or packaging. Both the conductive bags and tubing are heat-sealable and can be easily grounded. Botron's Conductive Liners and Waste Bins do not hold a static charge. Our liners are perfect for lining waste containers used for wet or dry chemicals that can be ignited by sparks created by static.

VACUUM SEALER  
**CHAMBER**

**BAVC**

- Seal Length: 20"
- Seal Width: 1/4" (10mm opt.)
- Vacuum Flow: 18 CFM
- Max. Vacuum Pressure: 28.5 inHg
- Air Requirements: 18 CFM@90PSI
- Amps @ 120 Volts A.C.: 6
- Unit Size (in): 28L x 24W x 9.5h
- Approx. Weight: 118 lbs



VACUUM SEALERS  
**IMPULSE**

**BAVS**

- Seal Length: 20"
- Seal Width: 1/4" (10mm opt.)
- Vacuum Flow: N/A
- Max. Vacuum Pressure: N/A
- Air Requirements: 1 CFM@90PSI
- Amps @ 120 Volts A.C.: 6
- Unit Size (in): 28L x 10W x 7h
- Approx. Weight: 29 lbs



**BAVN**

- Seal Length: 20", 25", 30", 35"
- Seal Width: 1/4" (10mm opt.)
- Vacuum Flow: 3 CFM
- Max. Vacuum Pressure: 27 inHg
- Air Requirements: 5 CFM@90PSI
- Amps @ 120 Volts A.C.: 6, 7, 12, 15
- Unit Size (in): 28,33,38,43 x 10 x 7
- Approx. Weight: 33, 40, 50, 54 lbs



CONDUCTIVE  
**BAGS & LINERS**

**Conductive Waste Bins**

- B17156** 8" x 11" 4.22gal
- B17157** 14.5" x 15" 7gal



**Conductive Liners**

- B161824** 18" x 24" pink 5gal
- B162424** 24" x 24" pink 10gal

**Conductive Liners**

- B171824** 18" x 24" black 5gal
- B172424** 24" x 24" black 10gal
- B173036** 30" x 36" black 30gal
- B173858** 38" x 58" black 55gal



STATIC SOLUTIONS WITH SAVINGS

ESD SHIELDING BAGS

**METAL-IN**



- Metal-In
- Longer Lasting
- 40% Light Transmission
- Puncture Resistant
- Outer Layer Dissipative

**Features:** Botron's antistatic shielding bags are metal-in and low tribocharging. Thus, ESD sensitive materials stored inside the bag will not generate a charge. The 3mil thick lining is puncture resistant and protects against corrosive materials. Comes with either zipper or flat applications.

**Metal-In Shielding Bag**

- B13035 3" x 5"
- B13046 4" x 6"
- B13048 4" x 8"
- B13424 4" x 24"
- B13058 5" x 8"
- B13068 6" x 8"
- B13610 6" x 10"
- B13624 6" x 24"
- B13630 6" x 30"
- B13812 8" x 12"
- B13816 8" x 16"
- B13824 8" x 24"
- B131012 10" x 12"
- B131014 10" x 14"
- B131016 10" x 16"
- B131218 12" x 18"
- B132430 24" x 30"

**Metal-In Shielding Zip**

- B12035 3" x 5"
- B12046 4" x 6"
- B12048 4" x 8"
- B12058 5" x 8"
- B12068 6" x 8"
- B12816 8" x 16"
- B12824 8" x 24"
- B121012 10" x 12"
- B12610 6" x 10"
- B12624 6" x 24"
- B12812 8" x 12"

MOISTURE BARRIER BAGS

**SEAL-IT**



**Features:** Botron's Moisture Barrier Bags are a 3.6 mil multi-layer construction specially formulated to provide a safe and effective package for your ESD and moisture sensitive products. This highly flexible structure is easy to vacuum and seal. Meets all IPC/JEDEC J-STD-033 standards and specification 6 mill also available .

**Moisture Barrier Bag**

- B14068 6" x 8"
- B14424 4" x 24"
- B14058 5" x 8"
- B14610 6" x 10"
- B14624 6" x 24"
- B14630 6" x 30"
- B14812 8" x 12"
- B141012 10" x 12"
- B141218 12" x 18"

**SEE PAGE 26 FOR VACUUM SEALERS**

PINK POLYETHYLENE

**ANTI-STATIC**



**Features:** Botron's antistatic polyethylene bags do not generate triboelectric charges under normal working conditions. They should be used to package non-static sensitive components in the work environment that may generate or carry static charge.

**Pink Anti-Static Bag**

- B16035 3" x 5"
- B16046 4" x 6"
- B16058 5" x 8"
- B16610 6" x 10"
- B16812 8" x 12"
- B13824 8" x 24"
- B161012 10" x 12"
- B161014 10" x 14"

**Pink Anti-Static Zip**

- B16035Z 3" x 5"
- B16046Z 4" x 6"
- B16058Z 5" x 8"
- B16610Z 6" x 10"
- B16812Z 8" x 12"

**Anti-static Bubble Bag**

- B15046 4" x 6"
- B15068 6" x 8"
- B15810 8" x 10"
- B151016 10" x 16"
- B151218 12" x 18"

ESD SHIELDING BAGS

**METAL-OUT**



**Features:** Botron's antistatic shielding bags are metal-out and low tribocharging. Thus, ESD sensitive materials stored inside the bag will not generate a charge. The 3mil thick lining is puncture resistant and protects against corrosive materials. Comes with either zipper or flat applications. Provides rapid charge dissipation and 30% light transmission.

**Metal-Out Shielding Bag**

- B24035 3" x 5"
- B24046 4" x 6"
- B24058 5" x 8"
- B24610 6" x 10"
- B24810 8" x 10"
- B24812 8" x 12"
- B241012 10" x 12"
- B241014 10" x 14"

**Metal-Out Shielding Zip**

- B24035Z 3" x 5"
- B24046Z 4" x 6"
- B24058Z 5" x 8"
- B24810Z 8" x 10"
- B24812Z 8" x 12"
- B241012Z 10" x 12"



STATIC SOLUTIONS WITH SAVINGS

ESD AWARENESS

**LABELS**



**Awareness Labels**  
**B6736** 4" x 4" Label 250/R  
**B6736/5** 4" x 4" Label 500/R  
**B6735** 2" x 2" Label 500/R  
**B6735R** 2" x 2" Label 500/R  
**B6734** 5/8" x 2" Label 500/R

**Awareness Labels**  
**B6728** 4" x 4" Label 250/R  
**B6728/5** 4" x 4" Label 500/R  
**B6727** 2" x 2" Label 500/R  
**B6725** 5/8" x 2" Label 500/R

**Writeable Labels**  
**B6712** 1-3/4" x 2-1/2" Writeable Label 500/R JEDC-1

**Reusable Labels**  
**B6713** 1-3/4" x 2-1/2" Reusable Label 500/R JEDC-1



**Lead Free Labels**  
**B67101** 3 color Lead Free 2" x 2" labels 500 per roll

**Lead Free Labels**  
**B67102** 1 color Lead Free 2" x 2" labels 500 per roll

**Label Dispenser**  
**B6702** Label Dispenser  
 Holds two 2" rolls or one 4" roll  
**B6702-3** Label Dispenser  
 Holds two 3" rolls or one 4" & 2" roll



**ANSI/ESD S20.20**  
**8.3 ESD Protected Areas (EPAs)**  
 Caution signs indicating the existence of the EPA shall be posted and clearly visible to the personnel prior to entry to the EPA.

ESD AWARENESS

**SIGNS**



**ESD Awareness Signs**  
**B6747** Sign RS-471 4" x 10" w/ Adhesive Backing 10/pk  
**B67410** Lead Free Area Sign 4" x 10" w/ Adhesive Backing 10/pk

**Bench Signs**  
**B6716** Bench Sign 1" x 6" w/ Adhesive Backing 10/pk  
**B67016** Lead Free Bench Sign 1" x 6" w/ Adhesive Backing 10/pk

**Hanging Signs**  
**B6720** 10" x 20" Double-sided Hanging Sign 3/pk

**Adhesive Signs**  
**B6717** 11" x 17" ESD Awareness Poster w/ Adhesive Backing 5/pk



STATIC SOLUTIONS WITH SAVINGS

CONDUCTIVE  
**BRUSHES**



**B09927** Conductive Brush 3.75" x 2.75"

**Features:** Botron conductive brushes are great for cleaning printed circuit boards (PCB) and other static sensitive components. Safely remove dust, dirt particles and static charge while grounded.



**B09920** 5" x 1/4"



**B09924** 7" x 1.5"



**B09921** 6" x 1/2"



**B09925** 7" x 2.25"



**B09922** 6" x 3/4"



**B09926** 9" x 3.5"



**B09622** 6" PCB Probe

**Features:** Botron's PCB probe is a multi-probe with a forming tip at one end used when soldering and at the other end a hooking tip for holding wires.



CARBON STEEL  
**CUTTERS/STRIPPERS**



**B09170G**

**B09170P**

**B09120**

**Features:** Micro Shears and Wire Strippers are used for making flush cuts and trimming wires on the production line in non-ESD applications.

- B09170G** 5" Micro Shear
- B09170P** 5" Micro Shear
- B09120** B-stripper 10-20 AWG
- B09125** B-stripper 20-30 AWG

ESD SAFE  
**CUTTERS/STRIPPERS**



**B0915**

**B0901**

**B0924**

**Features:** Botron's Conductive Micro Shears and Wire Strippers are used for making flush cuts and trimming wires on the production line in ESD sensitive applications.

- B0901** 5" Micro Cutters 16 AWG
- B0910/50** 5" 50 Micro Cutters 16 AWG
- B0915** 6" Long nose slim pliers
- B0920** 6" Bent nose pliers
- B0923** 6" Wire stripper 10-20 AWG
- B0924** 6" Wire stripper 20-30 AWG

CONDUCTIVE  
**TWEEZERS**



**01**

**02**

**03**

**04**

**05**

**06**

**08**

**Features:** Conductive Tweezers are ideal for handling small delicate components. They are also cleanroom safe and make a great solution when assembly needs both care and precision.

- B09901** 4.7" Tweezers
- B09902** 4.6" Tweezers
- B09903** 4.8" Tweezers
- B09904** 4.7" Tweezers
- B09905** 4.8" Tweezers
- B09906** 4.7" Tweezers
- B09908** 4.7" Tweezers



STATIC SOLUTIONS WITH SAVINGS

CONDUCTIVE TRAYS/BOARD HOLDERS



**Conductive Trays**  
**B09501** 14.5" x 11.8" x .06" lip  
**B09506** 25.75" x 17.8" x 1.125" lip



**Conductive Trays**  
**B09502** 14.5" x 9.8" x 2.6" lip



**Conductive Trays**  
**B09503** 12.4" x 9" x 1.6" lip



**Conductive Trays**  
**B09504** 17.7" x 11.4" x 2.3" lip

**Features:** Botron's conductive trays and board holders are for handling and storage of electronic components and board assemblies. Both the B19026 and B19025 come with 25 slots. They have excellent resistance to abrasion. Conductive trays and boards provide effective ESD protection at <math>10^6</math> for handling static sensitive products and equipment. All trays and boards meet ANSI/ESD S20.20.



**Conductive Board Holders**  
**B19026** 10.2" x 8" x 3.7"



**Conductive Board Holders**  
**B19025** 19" x 6.8"

**Features:** Botron's conductive foam is used to protect static sensitive devices and components in a variety of manufacturing and packaging applications. This polyurethane open cell foam comes in both high density 3.1lb and low density 1.9lb. Our conductive foam comes in a variety of different thicknesses in a 24" x 36" sheet size.

- Conductive Foam**  
**B1208** 1/8" Low Density  
**B1204** 1/4" Low Density  
**B1238** 3/8" Low Density  
**B1205** 1/2" Low Density  
**B1275** 3/4" Low Density  
**B1201** 1" Low Density

- Conductive Foam**  
**B1308** 1/8" High Density  
**B1304** 1/4" High Density  
**B1338** 3/8" High Density  
**B1305** 1/2" High Density  
**B1375** 3/4" High Density  
**B1301** 1" High Density

**Features:** Botron's Conductive and Non-Conductive IC Tube and Tray strap designed to group together IC products. Comes with an adjustable D-rings that are ideal for bundling.

- IC Tube Straps**  
**BSTP20** 1" x 20" hook & loop  
**BSTP24** 1" x 24" hook & loop  
**BSTPC23** 1" x 23" conductive hook & loop  
**BSTPC30** 1" x 30" conductive hook & loop

**Features:** Designed to remove and filter soldering smoke at the workstation, Botron's Fume Extractor provides a clean air environment for personnel on the assembly line. The carbon filter system effectively absorbs noxious gasses from lead and flux.

- Fume Extractor**  
**B1930** Fume Extractor  
**B1931** Filter Pack - 5ct.

CONDUCTIVE FOAM



TUBE STRAPS



FUME EXTRACTOR



STATIC SOLUTIONS WITH SAVINGS

CLEANSTAT  
FLOOR CARE



Botron's new Premier Static Dissipative ESD Polymer Floor Finish is designed to dissipate static charges and eliminate static generation. Coverage of 1500-2000 sq feet per gallon.

- ESD Floor Finish**  
**B8101** ESD floor finish 1gal  
**B8105** ESD floor finish 5gal  
**B8155** ESD floor finish 55gal



Routine maintenance of ESD treated floors with Botron's Easy Clean is recommended to uphold the integrity and longevity of your ESD floor. Coverage when diluted 10-1 ratio over 2000 sq. feet per gallon.

- ESD Floor Cleaner**  
**B8301** ESD floor cleaner 1gal  
**B8305** ESD floor cleaner 5gal



Botron Easy Buff should be used in spot applications to remove scuff marks and other blemishes on your ESD floor.

- StatCare Spray Buff**  
**B8400** Spray Buff 1qt  
**B8401** Spray Buff 1gal

STATCARE  
EPOXY CONCRETE FINISH



**AVAILABLE IN THESE COLORS**



**Meets Standards:**  
 Resistivity-ASTM D257

**Electricals:**  
 Resistance Top to Top <108  
 108-9 Ohms 2 Max/Cm2 @ 40% Relative Humidity

StatCare Static Dissipative Concrete Finish is designed to dissipate static charges and stop static generation. It will provide a durable, UL approved, slip resistant finish and can be applied on sealed concrete. It's water-based epoxy/acrylate formula is extremely resistant to chemicals and solvents. Our ESD Concrete Finish is superior to and will outlast latex and urethane floor paints. Coverage of 300-400 sq. feet per gallon. Recommended 3 coats.

- StatCare ESD Epoxy Floor Paint**  
**B8771G** Gray Concrete Finish 1 gallon  
**B8775G** Gray Concrete Finish 5 gallon

- B8771LG** Light Gray Concrete Finish 1 gallon  
**B8775LG** Light Gray Concrete Finish 5 gallon

- B8771B** Beige Concrete Finish 1 gallon  
**B8775B** Beige Concrete Finish 5 gallon

RUBBER & VINYL  
MAT CLEANER



Botron's Cleanstat rubber & vinyl cleaner can be used on, but not limited to, ESD table mats and floor mats to remove blemishes and dirt as well as enhance ESD properties. It is recommended to clean test weights and mats during audits for the most accurate readings.

- Rubber & Vinyl Mat Cleaner**  
**B8011** 6oz  
**B8018** 1qt (32oz)



Botron's anti static hand lotion is specially formulated to improve contact between personnel and grounding devices.

- Non-contaminating
- Contains no silicone
- Moisturizing aloe vera
- 8 oz. Bottle

- ESD Safe Hand Lotion**  
**B8008** 8oz Squeeze Bottle





STATIC SOLUTIONS WITH SAVINGS

TACKY MATS  
**STANDARD**

**Standard Tacky Mats**  
**B6923** 24" x 36"  
**B6945** 26" x 45"

**Features:** Botron's Standard Tacky Mats are designed to significantly reduce foot and wheel contamination. The residue free mats use a tacky adhesive to remove particles from shoes and wheels. Tacky mats are low profile to be used without a frame and feature numbered peel tabs on each sheet for easy to remove layers.



CLEANROOM  
**WEAR**

**Bouffant Caps**  
**B20012** 24" Bouffant caps - 1000ct

**Features:** Botron's breathable, low linting bouffant caps are used to protect the environment from the shedding of hair, and are constructed of lightweight, non-woven spunbond polypropylene fabric.

**Face Masks**  
**B20005** 7" Face mask 3ply - 1000ct

**Features:** The disposable B20005 is a non-linting and non-woven face mask. It features a floss covered elastic ear loop for comfort and support as well as a flexible sewn-in nose adjustment for a secure fit. With a high 95% BFE( Bacteria Filtration Efficiency) and low breathing resistance the B20005 offers great protection against airborne particles.



**BLOCKS 95%  
OF BACTERIA**

**Cleanroom Paper**  
**B201117-W** 8.5" x 11" 250 sheets 10 reams/case  
**B201117-B** 8.5" x 11" 250 sheets 10 reams/case  
**B201117-G** 8.5" x 11" 250 sheets 10 reams/case  
**B201117-Y** 8.5" x 11" 250 sheets 10 reams/case

**Features:** Uniquely formulated to reduce particulation and smudging. Ideal for controlled environments such as clean rooms and other static free zones. Lays flat and works great in mechanical printing machines. Available in (W)white, (B)blue, (Y)yellow, and (G)green.

CLEANROOM  
**PRODUCTS**



**Cleanroom Wipes**  
**B20099** Polyester/Cellulose Non-woven  
 9" x 9" - 300 per pack/12 packs per case  
**B201212** Polyester/Cellulose Non-woven  
 12" x 12" - 150 per pack/10 packs per case  
**B20199** 100% Polyester Clean Room Safe  
 9" x 9" - 150 per pack/8 packs per case

**Features:** Botron's Cleanroom safe wipes are offered in 100% polyester as well as a non-woven 55% cellulose/45% polyester blend. Both wipes are ideal for class 100 cleanroom environments. Our 100% polyester wipes feature laser sealed edges for maximum fiber retention. The Non-woven wipes are chemical resistant to most cleaning agents and are ideal for wiping ESD sensitive components.



STATIC SOLUTIONS WITH SAVINGS

PROTECTIVE  
**GLOVES**



White lint free ESD safe gloves are made of 100% polyester. Features a conductive weave every 10 millimeters for a reliable path to ground. Available in small, medium and large. (packs of 10 pairs).

- ESD Lint Free Gloves**  
**B6851** Lint Free - Sml  
**B6852** Lint Free - Med  
**B6853** Lint Free - Lrg



Nitrile gloves are made from 100% nitrile which resists punctures and are Class 100 cleanroom ready. They offer amazing sensitivity and reduces hand fatigue. This unique formulation makes these disposable gloves last much longer than latex or vinyl, and are ambidextrous. Both 5 mil or 6 mil available in sizes of small, medium, large and X-large. 100 per box.

- Nitrile Gloves**  
**B6861** Nitrile - Sml/ 5mil  
**B6862** Nitrile - Med/ 5mil  
**B6863** Nitrile - Lrg/ 5mil  
**B6864** Nitrile - XL/ 5mil



Static dissipative gloves with sure grip PVC dots provide a non-slip grip when handling electronic components. Available in small, medium and large. (packs of 10 pairs).

- ESD Safe PVC Dot Gloves**  
**B6821** PVC Dot - Sml  
**B6822** PVC Dot - Med  
**B6823** PVC Dot - Lrg



Botron's powder free vinyl gloves are ambidextrous and come with a beaded cuff. This glove is an ideal solution for industrial applications powder free vinyl glove. (packs of 100)

- Powder Free Vinyl Gloves**  
**B20007-9** Powder Free - 9"



Botron's lint free inspection gloves are to protect non ESD sensitive components from contamination. Helps prevent the transfer of finger prints, oils, and salts when handling materials in the work environment.

- Inspection Gloves**  
**B6831** Lint Free nylon inspection/liners  
**B6832** Half finger nylon liners  
**B6836** 100 % cotton inspection/liners



Botron's ESD Safe Cut Resistant gloves are designed to protect the wearer from injury when using sharp tools and blades. Available in 3 sizes.

- ESD Safe Cut Resistant Gloves**  
**B6856** ESD Safe Cut Resistant - Small  
**B6857** ESD Safe Cut Resistant - Medium  
**B6858** ESD Safe Cut Resistant - Large

PROTECTIVE  
**FINGER COTS**



Botron offers 3 different kinds of finger cots; anti static, dissipative and clean room safe. They are all designed to protect electronic components from skin salts, flakes, oils and other particulates that may cause contamination.

**REDUCES RISK  
OF CONTAMINATION**

- Finger Cots**  
**B6841** Black Dissipative - Sml/5 gross  
**B6842** Black Dissipative - Med/5 gross  
**B6843** Black Dissipative - Lrg/5 gross  
**B6844** Black Dissipative- XL/5 gross  
**B6845** Pink Anti Static - Sml/10 gross  
**B6846** Pink Anti Static - Med/10 gross  
**B6847** Pink Anti Static - Lrg/10 gross



STATIC SOLUTIONS WITH SAVINGS

ESD WEAR  
**SMOCKS**

**Lightweight Smocks**

**Features:** Botron's Lightweight 3/4 length jackets with snap cuffs features our NEW Tuck-Strap design. Our ESD safe lightweight smocks are made of 88% polyester/12% conductive carbon fibers and will shield your workers from charge generation. (Special Orders/Colors, Minimums Apply)

Size	XS	S	M	L	XL	2XL	3XL	4XL
Blue	B7300LW	B7302LW	B7303LW	B7304LW	B7305LW	B7306LW	S/O	S/O
Chest	30"- 32"	34"- 36"	38"- 40"	42"- 44"	46"- 48"	50"- 52"	S/O	S/O
Length	33.5"	33.5"	33.5"	33.5"	33.5"	33.5"	S/O	S/O

**Standard Smocks**

**Features:** Botron offers smocks in 3/4 length jackets and pullovers featuring our NEW Tuck-Strap design. Our ESD safe garments are made of 87% polyester/13% carbon and will shield your workers from charge generation. Most fabric will generate a charge when not protected with an ESD garment. Botron B7300 series provides a Faraday cage effect.

Size	XS	S	M	L	XL	2XL	3XL	4XL
Snap Cuffs								
Blue	B7300	B7302	B7303	B7304	B7305	B7306	B7307*	B7308*
White	S/O	B7332	B7333	B7334	B7335	B7336	B7337*	B7338*
Black	S/O	B7322	B7323	B7324	B7325	B7326	B7327*	B7328*
Conductive Cuffs								
Blue	B7300C	B7302C	B7303C	B7304C	B7305C	B7306C	B7307C*	B7308C*
White	S/O	B7332C	B7333C	B7334C	B7335C	B7336C	B7337C*	B7338C*
Black	S/O	B7322C	B7323C	B7324C	B7325C	B7326C	B7327C*	B7328C*
Measurements								
Chest	30"- 32"	34"- 36"	38"- 40"	42"- 44"	46"- 48"	50"- 52"	54"- 56"	58"- 60"
Length	34"- 36"	34"- 36"	34"- 36"	34"- 36"	34"- 36"	34"- 36"	34"- 36"	34"- 36"

\*denotes custom ordered items

**Pullovers**

**Features:** Botron offers pullovers featuring our NEW Tuck-Strap design. Our ESD safe garments are made of 87% polyester/13% carbon and will shield your workers from charge generation.

Size	XS	S	M	L	XL	2XL	3XL	4XL
Blue	S/O	B7352	B7353	B7354	B7355	B7356	B7357	B7358
Chest	S/O	34"- 36"	38"- 40"	42"- 44"	46"- 48"	50"- 52"	54"- 56"	58"- 60"
Length	S/O	34"- 36"	34"- 36"	34"- 36"	34"- 36"	34"- 36"	34"- 36"	34"- 36"



**SEE PAGE 19 FOR ELITE SMOCK TESTER**



Blue Lightweight Smock with Snap Cuffs

It should be noted that most cotton, polyester and linen clothing can act as insulators and although personnel can be grounded by a wrist strap and/or footwear system it does not mean that their clothing will dissipate static charges through the skin. Botron recommends wearing a properly grounded ESD smock when handling static sensitive materials to reduce the chance of transferring static charge and damaging components.



Blue Smock with Snap Cuffs



White Smock with Snap Cuffs



Blue Smock with Conductive Cuffs



Blue Pullover



STATIC SOLUTIONS WITH SAVINGS

ESD SAFE TAPES

CELLULOSE



Colored Striped Tapes

- B1613BS** Blue 1" x 3" 72YDS
- B1633BS** Blue 3/4" x 3" 72YDS
- B1653BS** Blue 1/2" x 3" 72YDS
- B1613RS** Red 1" x 3" 72YDS
- B1633RS** Red 3/4" x 3" 72YDS
- B1653RS** Red 1/2" x 3" 72YDS
- B1613YS** Yellow 1" x 3" 72YDS
- B1633YS** Yellow 3/4" x 3" 72YDS
- B1653YS** Yellow 1/2" x 3" 72YDS
- B1613GS** Green 1" x 3" 72YDS
- B1633GS** Green 3/4" x 3" 72YDS
- B1653GS** Green 1/2" x 3" 72YDS



Colored Printed Tapes

- B1613BPS** Blue 1" x 3" 72YDS
- B1633BPS** Blue 3/4" x 3" 72YDS
- B1653BPS** Blue 1/2" x 3" 72YDS
- B1613RPS** Red 1" x 3" 72YDS
- B1633RPS** Red 3/4" x 3" 72YDS
- B1653RPS** Red 1/2" x 3" 72YDS
- B1613YPS** Yellow 1" x 3" 72YDS
- B1633YPS** Yellow 3/4" x 3" 72YDS
- B1653YPS** Yellow 1/2" x 3" 72YDS
- B1613GPS** Green 1" x 3" 72YDS
- B1633GPS** Green 3/4" x 3" 72YDS
- B1653GPS** Green 1/2" x 3" 72YDS



Clear Tapes

- B1651** 1/2" x 1" 36YDS
- B1653** 1/2" x 3" 72YDS
- B1631** 3/4" x 1" 36YDS
- B1633** 3/4" x 3" 72YDS
- B1611** 1" x 1" 36YDS
- B1613** 1" x 3" 72YDS
- B1623** 2" x 3" 72YDS



Printed Tapes

- B1653P** 1/2" x 3" 72YDS
- B1633P** 3/4" x 3" 72YDS
- B1613P** 1" x 3" 72YDS
- B1623P** 2" x 3" 72YDS
- B1651P** 1/2" x 1" 36YDS
- B1631P** 3/4" x 1" 36YDS

ESD safe cellulose tape is 2.4 mil thick with a charge decay of <.014 seconds. Botron's anti-static tape is perfect for sealing ESD bags. It can also be used for a wide range of workstation applications such as binding, edging and securing.

TAPES

PROTECTIVE



Polymide Hi-Temp Tapes

- BK1643** 1/4" x 3" 36YDS
- BK1653** 1/2" x 3" 36YDS
- BK1633** 3/4" x 3" 36YDS
- BK1613** 1" x 3" 36YDS
- BK1653D** DUB/SIDE 1/2" x 3" A/S 36YDS



Low Static Hi-Temp Tapes

- BKA1608** 1/8" x 3" A/S 36YDS
- BKA1638** 3/8" x 3" A/S 36YDS
- BKA1643** 1/4" x 3" A/S 36YDS
- BKA1653** 1/2" x 3" A/S 36YDS
- BKA1678** 7/8" x 3" A/S 36YDS
- BKA1633** 3/4" x 3" A/S 36YDS
- BKA1613** 1" x 3" A/S 36YDS
- BKA1623** 2" x 3" A/S 36YDS



Conductive Grid Tapes

- B1605** 1/2" x 3" 118'
- B1635** 3/4" x 3" 118'
- B1615** 1" x 3" 118'
- B1620** 2" x 3" 118'



Hi-Temp Masking Tapes

- BHT53** 1/2" x 3" 60YDS
- BHT34** 3/4" x 3" 60YDS
- BHT13** 1" x 3" 60YDS
- BHT23** 2" x 3" 60YDS
- BHT33** 3" x 3" 60YDS

TAPES

AISLE MARKING



Aisle Marking Tapes

- B1618M** 3" x 54' Aisle Tape
- B1636M** 3" x 108' Aisle Tape



Lead Free Aisle Marking Tapes

- B1618L** 3" x 54' Two Color Aisle Tape

Hi-Temp polyimide tape will withstand temperatures up to 500F / 260C. Designed to minimize the effects of static generation during stripping and peeling. It is also highly resistant to heat and chemicals, puncture and tear resistant at high temperatures and offers optimal performance in electrical and thermal insulation.

Botron's anti-static grid tape most common usages are for electromagnetic interference (EMI) shielding and covering pins, connectors and plugs on electronic equipment during storage or transportation.

Hi-Temp masking tape withstands 275°F for 45 minutes. Designed for wave solder applications. It's rubber adhesive leaves virtually no residue and is stain free.

Botron's high visibility aisle marking tapes are perfect for marking off ESD safe areas and lead free zones.



STATIC SOLUTIONS WITH SAVINGS

**ESD Safe Tape Dispensers**

- B1601** Holds one roll 1" wide
- B1602** Holds two rolls 1" wide
- B1603** Holds three rolls 1" wide

ESD safe manual tape dispensers for 3" core tapes offer a slip resistant ESD rubber base. Available in 3 sizes: 1", 2" and 3" wide. Each holding 3" diameter rolls.

- Blade Guard
- Dissipative Body
- ESD Safe
- 3 Sizes Available

TAPE DISPENSERS  
**ESD SAFE**



**Electronic Tape Dispensers**

**B1000** Automatic Tape Dispenser

Three digit LED and soft touch keypad for easy programming. Digital auto advance and cut electric eye sensor as well as full manual controls. Program up to three different tape sizes in manual or auto mode. Available cutting lengths of .20" up to 39". Unit can handle multiple styles of tape and widths ranging from .28" to 2" by 3" cores.

- LED Display
- Steel Blades
- Manual Override
- Photocell Control
- Replacement Blades

TAPE DISPENSERS  
**ELECTRONIC**



**Automatic Tape Dispensers**

**B5000** Automated Tape Dispenser

Three digit LED and soft touch keypad for easy programming. Digital auto advance and cut electric eye sensor as well as full manual controls. Can cut two rolls at the same time and program up to three sizes. With its unique roll area you can cut oversized rolls up to 11" diameter and any size core.

- LED Display
- Steel Blades
- Manual Override
- Auto Pressure Adjustable
- Photocell Control

AUTOMATIC DISPENSERS  
**PROGRAMMABLE**



**Automatic Tape Dispensers**

**B2000** Automatic Carousel Tape Dispenser

Auto-feeds and cuts tape at the touch of a button, placing cut pieces on its carousel for easy removal. Accepts a variety of tapes from .12" to .99" wide. Carousel holds up to 10 pieces with consistent lengths ranging from .51" to 2.37".

- LED Display
- Steel Blades
- Top Touch Start Button
- Photocell Control

AUTOMATIC DISPENSERS  
**CAROUSEL**



SOLVENT DISPENSERS

**TAP-IT**



**Features:** The TAP-IT antistatic solvent dispensers with stainless steel cap come in three sizes. Just "TAP-IT" to release the solvent. Closeable caps reduce fumes and evaporation.

**Blue TAP-IT Solvent Dispensers**

- B19004B** 4oz antistatic dispenser
- B19006B** 6oz antistatic dispenser
- B19008B** 8oz antistatic dispenser
- B19010** Replacement cap

**Yellow TAP-IT Solvent Dispensers**

- B19004Y** 4oz antistatic dispenser
- B19006Y** 6oz antistatic dispenser
- B19008Y** 8oz antistatic dispenser

**Pink TAP-IT Solvent Dispensers**

- B19004P** 4oz antistatic dispenser
- B19006P** 6oz antistatic dispenser
- B19008P** 8oz antistatic dispenser

SPRAY BOTTLES



**Features:** Botron's Blue Dissipative Bottles are for use in ESD Protected Areas. Made from molded antistatic polyethylene and free of ethoxylated amines and BPA, these bottles have a good resistance to alcohol, solvents and other chemicals. It's special antistatic properties will not generate or hold a charge like a typical plastic insulated bottle.

**Spray Bottles**

- B192008** 5.25" 8oz/250ml Spray Bottle
- B1920016** 7.5" 16oz/500ml Spray Bottle

**Wash Bottles**

- B191008** 5.25" 8oz/250ml Wash Bottle
- B1910016** 7.5" 16oz/500ml Wash Bottle

**Water Bottles**

- B193008** 5.25" 8oz/250ml Water Bottle
- B1930016** 7.5" 16oz/500ml Water Bottle

**Needle Bottles**

- B1940016** 3" 2oz/60ml 16 gauge
- B1940020** 3" 2oz/60ml 20 gauge
- B1940026** 3" 2oz/60ml 26 gauge

ESD SAFE RUBBER BANDS



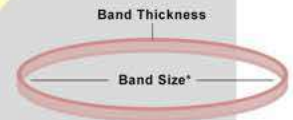
**Features:** Conductive Rubber Bands and Anti Static Rubber Bands are used to protect, but are not limited to, static sensitive components, and bundling IC tubes and Trays. \*Band size measured by diameter as shown.

**Dissipative Rubber Bands**

- BE3016** 3" x 1/16" black (apx. 1550 pcs.)
- BE4518** 4.5" x 1/8" black (apx. 420 pcs.)
- BE5114** 5" x 1/4" black (apx. 210 pcs.)
- BE7518** 7.5" x 1/8" black (apx. 315 pcs.)

**Antistatic Rubber Bands**

- BE2018** 2" x 1/8" pink (apx. 1650 pcs.)
- BE3512** 3.5" x 1/8" pink (apx. 600 pcs.)
- BE5014** 5" x 1/4" pink (apx. 210 pcs.)
- BE8014** 8" x 1/4" pink (apx. 120 pcs.)



ESD SAFE CART COVERS



**Features:** All Botron cart covers are made to protect ESD sensitive components when being transported or stored from static charges and contaminants such as dust and dirt. The B171836G and B171848G both feature a dual layer design, constructed of a solid green static dissipative vinyl 10<sup>9</sup> (outer layer) and a black conductive vinyl <10<sup>8</sup> (inner layer). Both the B171836B (blue) and B171836C (clear) are transparent static dissipative vinyl with a surface resistivity of 10<sup>10</sup> - 10<sup>11</sup>.

**ESD Safe Cart Covers**

- B171836G** Green 18" x 36" x 63"
- B171848G** Green 18" x 48" x 63"
- B171836B** Blue 18" x 36" x 63"
- B171836C** Clear 18" x 36" x 63"



**ESD Safe Card Holders**

- BH120** Clear ID w/out clip 2.5"x4"
- BH120C** Clear ID w/clip 2.5"x4"
- BH121** Clear ID w/clip 4"x2.25"
- BH121N** Clear ID w/out clip 4"x2.25"
- BH124** Clip
- BH130** Blue ID w/clip 2.5"x4"
- BH131** Blue ID w/out clip 2.5"x4"
- BH132** Blue ID w/out clip 4"x2.25"
- BH133C** Blue ID w/clip 4"x 2.25"



STATIC SOLUTIONS WITH SAVINGS

**Static Dissipative Binders**

- B7405** 1/2" Three Ring
- B7401** 1" Three Ring
- B7415** 1.5" Three Ring
- B7402** 2" Three Ring
- B7403** 3" Three Ring

Botron's static dissipative vinyl binders with printed ESD symbol on front cover are available in 1/2", 1", 1.5", 2" and 3" spine widths.

- Blue vinyl with dissipative overlay
- Heat sealed edges
- Nickel plated steel rings

**CUSTOM COLORS AVAILABLE**

**ESD Safe Clipboard**

**B7602** 9" x 12" Blue static dissipative vinyl clipboard

Botron's ESD Safe clipboard is made of blue vinyl with a printed ESD symbol, measuring 9" x 12" with a 5" wide metal clip.

- Static Decay <1.0 sec
- Surface Resistivity 10<sup>11</sup>
- Size fits standard 8.5" x 11" stock
- Humidity independent

**Sheet Protectors**

- B7406** 8.5" x 11" Sheet Protectors 3mil, 100pk
- B7411** 8.5" x 11" Sheet Protectors 6mil, 25pk
- B7412** 8.5" x 11" Shop Travelers 6mil, 25pk
- B7417** 11" x 17" Drawing Holder 6mil, 25pk

Botron's antistatic sheet protectors are designed for use in ESD controlled areas and can be cleaned to conform to Class 100 clean room standards. The B7406 and B7411 come 3 hole punched for storage in ESD safe binders. Available in 8.5" x 11" and 11" x 17" sizes.

- Humidity independent
- N-Octanoic acid free
- Does not promote corrosion
- No measurable outgassing

**ESD Safe Paper**

**B8511** 8.5" x 11" 500/ream

Botron's ESD safe paper is uniquely formulated to reduce particulation and smudging. Ideal for controlled environments such as clean rooms and other static free zones. Lays flat and works great in mechanical printing machines.

- High tear and tensile strength
- Ultra low particulation
- 500 page ream
- Burst strength 50lbs per inch

STATIC DISSIPATIVE  
**BINDERS**



STATIC DISSIPATIVE  
**CLIPBOARDS**



ESD SAFE  
**SHEET PROTECTORS**



STATIC DISSIPATIVE  
**PRINTER PAPER**



STATIC SOLUTIONS WITH SAVINGS

CUSTOM ESD  
**FABRIC CHAIRS**



**ESD Safe Chair**  
B070062 Standard Tall Chair w/Nylon Base



**ESD Safe Chair**  
B070061 Standard Chair w/Nylon Base



**ESD Safe Stool**  
B070067 Tall Stool w/Nylon Base

Many colors to choose from.



Botron offers a complete line of full customizable ESD safe chairs and stools. Mix, match, combine and build the chair that is right for you and the workstation. Choose from any of the options seen on this page. Simply start with either our 21" - 31" B070062 Adjustable Tall Chair, our 17" - 21" B070061 Adjustable Standard Chair or ESD Safe Stool.

- 5 year warranty
- Meets ANSI/ESD S20.20
- Tear Strength ASTM-D-2262
- 300lb - 450lb capacity



**BUILD  
& CUSTOMIZE**

a. Single Lever



c. Nylon Base



b. Three Lever



d. Aluminum Base



e. No Foot Ring



f. Standard Foot Ring



g. Heavy Duty Foot Ring



h. No Arm Rest



i. Fixed Arm Rest



j. Adjustable Arm Rest



k. Immobile Glides



l. Standard Casters



m. ESD Casters



POLYURETHANE  
**ESD CHAIRS**



- Molded polyurethane
- Adjustable height
- Optional foot ring
- Available in black
- ESD Safe

**Features:** Botron's B070071 molded polyurethane Ergonomic Chair with five star metal base comes with a standard 4" adjustment. Also available is our taller B070072 Ergonomic Chair with foot ring and 8" adjustment.

**Ergonomic Chair**  
B070071 Chair - Black - 4" Adjustment  
B070072 Chair - Black w/Foot ring - 8" Adjustment

**NON-ESD CHAIRS  
AVAILABLE ONLINE**





**STATIC SOLUTIONS WITH SAVINGS**

**FOOTWEAR**/ Disposable Heel Grounders.5/ Disposable Shoe Covers.5/ Full Coverage Sole Grounders.5/ Heel Grounders.3,4/ Toe Grounders.5/ **COIL CORDS**/ Coil Cords.6/ G.E.M. Coil Cords.6/ **WRISTSTRAPS**/ Disposable.8/ Dual Wire.8/ G.E.M. Wrist Straps.7/ Metal Band.8/ Standard.7/ **TABLEMATS**/ Cleaner.31/ Rubber Mats.9,10/ Vinyl Mats.9,10/ Workstation Kits.14/ **FLOOR MATS**/ Anti-Fatigue Mats.11,12,13/ Floor Mats.13/ Cleaner.31/ **FIELD KITS**/ Pocket Field Kits.14/ Pouch Field Kits.14/ Standard Field Kits.14/ **HARDWARE**/ Snap Tools.15/ Grounding Adapters.15/ Work Surface Snap Kits.15/ **GROUNDING**/ Floor Mat.16/ Table Mat.16/ Work Bench.16/ **CONTINUOUS MONITORS**/ ELITE.17/ Dual Operator.17/ Dual Wire.17/ Single Operator.17/ **TEST EQUIPMENT**/ Calibration Units.22/ ELITE Test Systems.19,20,21,22/ Footwear Testers.22/ Resistivity Audit Kits.18/ Resistivity Meters.18/ Test Stations.21/ Wrist Strap Testers.22/ **IONIZATION**/ Benchtop Ionizers.23/ Compressed Air Ionizers.24/ Ionization Bars.24/ Overhead Ionizers.23/ **IONIZATION AUDIT EQUIPMENT**/ Charge Plate Monitor.25/ Electrostatic Field Meters.25/ ELITE Electrostatic Field Meter.25/ **VACCUUM SEALERS**/ Chamber Sealer.26/ Impulse Sealer.26/ **BAGS**/ Conductive Bags.26/ ESD Shielding Bags.27/ Moisture Barrier Bags.27/ Pink Antistatic Bags.27/ **LABELS AND SIGNS**/ Awareness Labels.28/ ESD Awareness Labels.28/ ESD Awareness Signs.28/ Label Dispenser.28/ Lead Free Labels.28/ Lead Free Signs.28/ **PRODUCTION TOOLS**/ Conductive Brushes.29/ Cutters.29/ Strippers.29/ Tweezers.29/ **MATERIAL HANDLING**/ Board Holders.30/ Trays.30/ **FOAM**/ Conductive.30/ Cross-Link.30/ **FLOOR CARE**/ Floor Care.31/ Floor Finish.31/ Floor Paint.31/ **CLEAN ROOM**/ Tacky Mats.32/ Bouffant Caps.32/ Face Masks.32/ Printer Paper.32/ ESD Wipes.32/ **GLOVES**/ Conductive.33/ Dissipative.33/ Finger Cots.33/ Latex.33/ Nitrile.33/ **GARMENTS**/ Smocks.34/ Card Holders.34/ **TAPE**/ Aisle Marking Tape.35/ Antistatic Tape.35/ Grid Tape.35/ Hi-Temp Tape.35/ Polyimide Tape.35/ **TAPE DISPENSERS**/ Electronic.36/ Manual.36/ **ACCESSORIES**/ Badge Holders.34/ Binders.38/ Cart Covers.37/ Clipboards.38/ ESD Paper.38/ Hand Lotion.31/ IC Straps.37/ Rubber Bands.37/ Fume Extractor.39/ Sheet Protectors.38/ Solvent Dispensers.37/ **ESD SAFE CHAIRS**/ Chairs.39





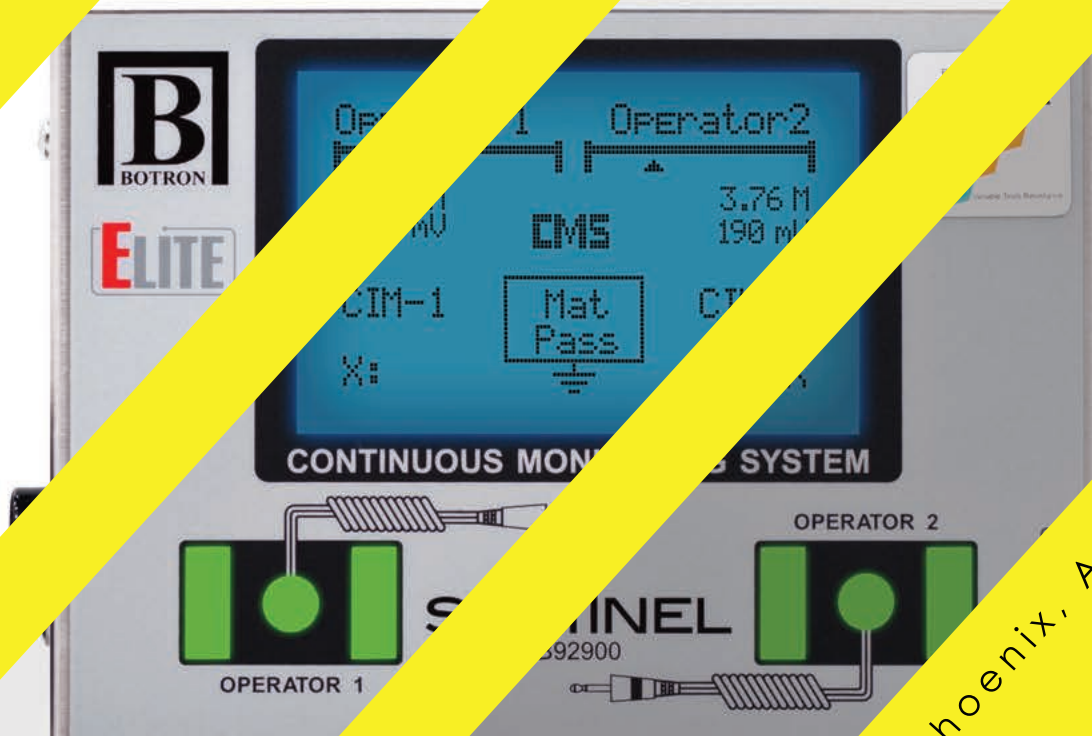
STATIC SOLUTIONS WITH SAVINGS

2020



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