ISO 6 Cleanroom Class 1000 ESD Cleanroom Garment System

LEVEL 3 GROUNDABLE ESD GARMENT

Outstanding ESD Cleanroom Garment for Grounding Mobile Operators

Critical Connectivity Points for Grounding & Continuity

- 1. Hood to Coverall
- 2. Sleeve to Body
- 3. Cuff (BCP)* to Sleeve
- 4. Coverall to Boot
- 5. Boot Sole (BCP)* to Floor

*Body Contact Point

Complies with IEST-RP-CC052.1 & ANSI/ESD S20.20



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TX4000 Series ESD Cleanroom Garment System

Transforming Technologies TX4000 ESD Cleanroom Garment System protects the environment from the number one source of contamination and static found in cleanrooms people. Electrostatic charge is an invisible contaminant and has the potential to degrade or destroy both product and equipment, as well as attract unwanted particles. Controlling these charges with the TX4000 Garment System throughout the controlled environment is essential to a productive manufacturing process. Each component—hood, coverall, boots—are connected with a ground snap and a conductive sole on the boot eliminates static on the personnel through the ESD floor or mat in cleanrooms.

- Designed for mobile workers in cleanrooms and controlled environments when ESD
 protection is paramount
- Electrical continuity from hood-to-boot with dissipative fabric, conductive seams and snaps
- ISO 6, Cleanroom class 1,000
- Complies with IEST-RP-CC052.1 and ANSI/ESD S20.20





ESD-Safe Integrated Cleanroom Design

Groundable from head-to-boot, the TX4000 ESD Cleanroom Garment System is made with a reliable ISO 6 static dissipative fabric with each component hood, coverall, boots—connected with conductive thread and ground snaps. Conductive boot soles eliminate static from personnel through the cleanroom ESD floor or mat. The garments system's superior workmanship and reliable panel-to-panel continuity makes it compliant with IEST-RP-CC052 and ANSI ESDS.2020 standards. The TX4000 Garment System maintains consistent continuity readings for up to 100 wash cycles.

| Technical Data | | |
|------------------------------|--|--|
| ISO 6 | | |
| ANSI/ESD S20.20 | | |
| IEST-RP-CC052.1 | | |
| Reusable | | |
| Dissipative: 10 ⁷ | | |
| ESD Knit Cuff | | |
| Military Collar | | |
| 99% Polyester, 1% Carbon | | |
| Zipper with Snap | | |
| White, Navy Blue | | |
| | | |

ESD Hard Sole Boots

Key Attributes

- Eliminates static on personnel and garment in cleanrooms and controlled environments with static dissipative or conductive floors. Operators maintain less than 35meg ohms resistance to ground when used in conjunction with a dissipative or conductive floor.
- Electrical continuity from hood-to-boot through dissipative fabric, conductive seams, ground snaps and grounding ribbon. Also functions when worn with disposable conductive shoe covers.
- TX4000 cleanroom grid fabric (ISO 6, Class 1,000) provides a consistent 10⁷ surface resistance over 100 washes. The design is compatible with custom fabrics for ISO5 and ISO4 cleanrooms.
- The combination of the hood, coverall and boots create a level 3 ESD Garment, that is ideal for mobile operators, as static can be eliminated through the garment system without additional grounding methods when standing on a grounded floor.



ESD Soft Sole Boots

Typical System Resistance: <3.5x10⁷Ω

Personnel body voltage less than 100 volts on flooring systems designed for ESD control

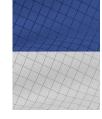
TX4000 Series ESD Cleanroom Garment System



ESD Coverall

- TX4000 ESD Grid Fabric—99% Polyester / 1% Carbon
- Raglan sleeves with ESD knit cuffs for body contact
- Military collar
- Snaps at top of zipper and bottom of leg hem and zipper closure for easy gowning
- Grounding snaps for connection to component (hood, boots)
- Seams sewn with conductive threads and grounding tape for reliable panel-to-panel electrical continuity
- Sizes: XS—5XL
- Product Type: Reusable / Launderable
- Color: White / Navy / Light Blue*
- ISO Cleanroom: ISO 6 (Class 1000)
- Meets standards required for ANSI/ESD S20.20 and STM9.1 Footwear Resistive Characterization

| Part Number | Size |
|-------------|------|
| TX40CRWH01 | XS |
| TX40CRWH02 | S |
| TX40CRWH03 | М |
| TX40CRWH04 | L |
| TX40CRWH05 | XL |
| TX40CRWH06 | 2XL |
| TX40CRWH07 | 3XL |
| TX40CRWH08 | 4XL |
| TX40CRWH09 | 5XL |



Replace "WH" with "NB" for Navy Blue Or "LB" for light blue*



ESD Hard Sole Boot

- TX4000 ESD Grid Fabric—99% Polyester / 1% Carbon
- PSTAT ESD hard sole with twill reinforcement
- Combination 1" elastic and webbing at top of closure with snap adjustment
- Replaceable 18" internal ground ribbon attachment included, with 24" long ground ribbon available for boots
- Internal snaps to electrically connect to coverall
- Color coded straps denote size
- Sizes: XS-2XL
- Product Type: Reusable / Launderable
- Color: White / Navy / Light Blue*
- ISO Cleanroom: ISO 6 (Class 1000)
- Meets standards required for ANSI/ESD S20.20 and STM9.1—Footwear— Resistive Characterization

Typical System Resistance: <3.5x10⁷Ω Personnel body voltage less than 100 volts on flooring systems designed for ESD control

| Part Number | Size |
|-------------|------|
| TX40BHWH01 | XS |
| TX40BHWH02 | S |
| TX40BHWH03 | М |
| TX40BHWH04 | L |
| TX40BHWH05 | XL |
| TX40BHWH06 | 2XL |

Replace "WH" with "NB" for Navy Blue Or "LB" for light blue*





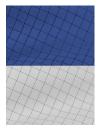
ESD Soft Sole Boot

- TX4000 ESD Grid Fabric—99% Polyester / 1% Carbon
- Three layer ESD rubber soft sole (non-marking rubber inside and outside
- Hypalon Side Wall
- Combination 1" elastic and webbing at top of closure with snap adjustment
- Replaceable 18" internal ground ribbon attachment included, with 24" long ground ribbon available for boots
- Internal snaps to electrically connect to coverall and ground ribbon
- Color coded straps denote size
- Sizes: XS—2XL
- Product Circularity: Reusable / Launderable
- Color: White / Navy / Light Blue*
- ISO Cleanroom: ISO 6 (Class 1000)
- Meets standards required for ANSI/ESD S20.20 and STM9.1—Footwear— Resistive Characterization

Typical System Resistance: <3.5x10⁷Ω

Personnel body voltage less than 100 volts on flooring systems designed for ESD control

| Part Number | Size |
|-------------|------|
| TX40BSWH01 | XS |
| TX40BSWH02 | S |
| TX40BSWH03 | М |
| TX40BSWH04 | L |
| TX40BSWH05 | XL |
| TX40BSWH06 | 2XL |
| | |



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ESD Hood

- TX4000 ESD Grid Fabric—99% Polyester / 1% Carbon
- Open face with snap-under-the-chin closures
- Two vertical snaps at each side of temples
- Roll hem
- Electrically connects to ESD coverall for ground continuity with two snaps
- Sizes: XS—2XL
- Product Type: Reusable / Launderable
- Color: White / Navy / Light Blue*
- ISO Cleanroom: ISO 6 (Class 1000)
- Meets standards required for ANSI/ESD S20.20



| Part Number | Size |
|-------------|------|
| TX40HFWH01 | XS |
| TX40HFWH02 | S |
| TX40HFWH03 | М |
| TX40HFWH04 | L |
| TX40HFWH05 | XL |
| TX40HFWH06 | 2XL |
| | |

Replace "WH" with "NB" for Navy Blue Or "LB" for light blue*

