



RADIATION PROTECTION APPAREL



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Bio-x is the authorized channel partner for Zittron Aprons, offering three distinct categories to meet diverse needs:

- ➔ **Minio:** A fully leaded protection material with an advanced formulation, ideal for modalities where healthcare professionals do not require prolonged and continuous wear.
- ➔ **Verde:** It is a lead-free, environmentally friendly material made from a blend of bismuth, tungsten, or antimony. It is one of the lightest materials available worldwide and is highly favored by surgeons for its lightweight properties, providing the same level of protection as lead.
- ➔ **Svelte:** Combining lead and lead-free elements like antimony, bismuth, and tungsten, Svelte is 20-30% lighter than most leaded materials, making it ideal for cath labs or any modality requiring extended apron use.

SKIRT VEST APRONS

The Skirt & Vest presents an ideal two-piece ensemble for surgeons and healthcare professionals who face prolonged exposure to X-ray radiation. Industry standards stipulate that such "enclosed" protective attire must offer a minimum of 0.35mm Pb protection in the front and 0.25mm Pb in the back.

Our Skirt & Vest collection offers two distinct designs: Merge and Cross. These options are available in Minio, Svelte and Verde, allowing healthcare professionals to choose according to their specific needs. Additionally, they can opt for versions with or without an inbuilt sleeve for added protection of the red bone marrow.

Model: Merge

The vest extends over the skirt and comes with the option of an inner belt or without one. This choice allows for personalized comfort and fit, accommodating different styling preferences while ensuring a secure and flattering look.



Model: Cross

The vest is available with or without elastic support, offering flexibility in comfort and fit. Similarly, the skirt comes with the option of lumbar back support or a standard design, catering to individual preferences for both style and functionality.

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DOUBLE-SIDED APRONS



The Double-Sided Apron, or Wrap, provides 0.35mm Pb front and 0.25mm Pb back X-ray protection adhering to IEC 61331-3:2014 standards. Available in Merge and Cross designs and four materials (Minio, Svelte, Verde), with an optional inbuilt sleeve for enhanced protection.

Model: Merge- This apron includes a 6-inch external belt to alleviate shoulder strain by distributing weight.



Model: Cross - This apron includes a 6-inch external belt to alleviate shoulder strain by distributing weight.

SURGICAL APRONS



Surgery Aprons, also known as "drop-off aprons", offer frontal protection for surgeons in operating theaters, allowing quick and straightforward change-overs. They are categorized as open aprons and provide protection levels starting from 0.25mm Pb. Customizable to meet healthcare professionals' preferences, they come in Minio, Svelte, and Verde materials.

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COAT APRONS

Coat Aprons shield the front body area, meeting IEC 61331-3:2014 standards, with options of velcro or buckle closure. Available in an innovative reversible design, Coat Aprons provide extended durability and improved hygiene for users, recommended with an integrated sleeve for shoulder joint protection.



Model: Velcro - The inclusion of elastic in the velcro fastener ensures a snug, comfortable fit. This design allows quick adjustments, accommodating various body sizes while providing flexibility and secure coverage, ideal for dynamic work environments.

Model: Buckle - For improved hygiene, this apron features a buckle closure instead of velcro for improved hygiene, ensuring easier cleaning and maintenance. Its adjustable buckle provides a secure fit, making it ideal for settings where cleanliness and safety are crucial. Made from durable, high-quality materials, this apron resists stains and withstands frequent washing, offering both long-lasting use and a professional appearance.



Introducing the first Reversible Apron, offering dual-side wear for enhanced hygiene and userconvenience, substantially prolonging the product's lifespan.

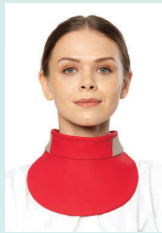
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UROLOGY APRONS

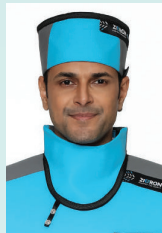
The Urology Protective Apron is specially designed for urology procedures, addressing the elevated risk of exposure for healthcare professionals in this field. With a recommended protection level of 0.5mm Pb, its design focuses on maximum protection for sensitive areas. Available in Minio, Svelte, and Verde materials.



THYROID SHIELD



**MODEL
UNIVERSAL**



**MODEL
SLEEK**



**REVERSIBLE
MODEL-UNIVERSAL**



**REVERSIBLE
MODEL-SLEEK**



Protective thyroid shields, have two variants both are available with Velcro or magnet closures, and are essential for healthcare personnel, meeting a minimum requirement of 0.5mm Pb per IEC 61331-3:2014 standards. Introducing the innovative reverse design for enhanced convenience and hygiene, offered in materials like Minio, Svelte, and Verde.

HEAD SHIELD



The "Topee," or Head Shield, has become essential in X-ray protection since 2017, safeguarding the frontal cortex with 0.25mm Pb protection. Offered in universal size with elastic closure, it can include Outlast fabric for comfort. Available in Minio, Svelte, and Verde materials, providing flexibility for healthcare professionals.

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OTHER SHIELD



DENTAL APRON



GONAD SHIELD



PATIENT SHIELD



PATIENT APRON

To create a complete set of protective gear, specialized shields are crucial for safeguarding both medical personnel and patients from scattered X-ray radiation. Gonad Shields offer 1.0mm Pb protection in a single design for all genders. The Patient Apron shields the abdomen and is used by both medical professionals and patients. Dental Aprons, available in various sizes, provide 0.25mm Pb protection for both patients and doctors.

EYEWEAR



FIT COVER



FITOVER FLIP



FRONT & SIDE



MAXX 30



AVIATOR



SPORTY



FRONT

The collection of eyewear blends elegance and functionality, offering stylish and lightweight options. Designed to accommodate prescription lenses, with certain limitations for curved frames, the lenses undergo rigorous testing to IEC 61331-1:2014 standards by LMG. They provide 0.8mm Pb protection with a 5% tolerance and resist yellowing over time for enhanced durability.

COLOUR OPTIONS FOR FABRIC

Our selected fabric for Radiation Protection Apparel is exceptional in comfort, water resistance, and stain protection. It meets safety standards and offers a variety of colors for versatile styling options. This fabric ensures durability and user satisfaction, making it an ideal choice for various needs.

PRIMARY COLOUR



SECONDARY COLOUR





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