

# VeriShield® Industrial Shielding

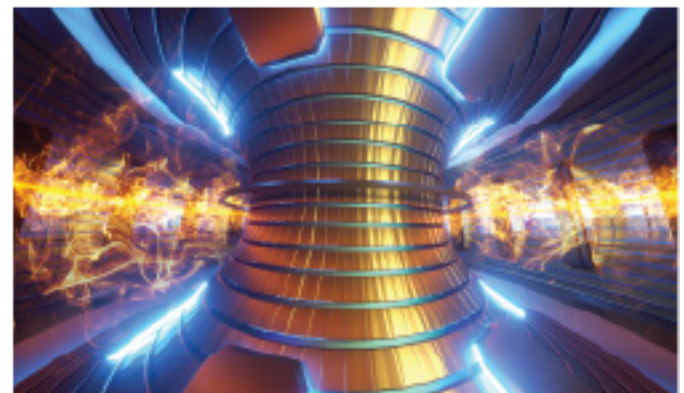
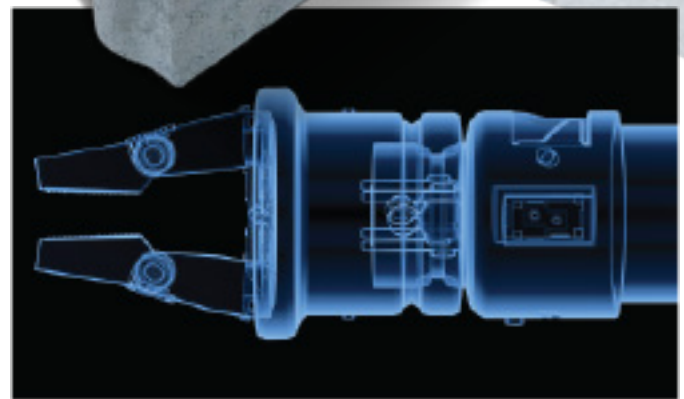
## HIGH DENSITY MODULAR SHIELDING SOLUTIONS

Radiation can be a serious concern with industrial or medical x-ray systems, radioisotope production, particle accelerators, nuclear power facilities and a wide range of other non-medical applications. To provide a safe workplace environment Veritas manufactures a range of modular shielding and radiation-protective door systems suitable for industrial applications.

Designed to meet job-specific requirements Veritas shielding solutions are suitable for use in:

- Nuclear Medicine
- Non-Destructive X-Ray Inspection
- Fission/Fusion Research
- Energy Production

VeriShield radiation shielding components are individual modules combined together to form a composite structure to create the required radiation attenuating environment. The constructed system retains the ability to be deconstructed and reused. VeriShield products are manufactured in a controlled environment and provide both photon and neutron attenuation. The VeriShield modules feature a design that presents a full 100% inter-locking edge, and the shielding attenuation performance is backed by a 100% guarantee.



# Veritas VeriShield modular shielding system

Veritas VeriShield is a system of dry stacked modules that can be easily configured into any size, shape or type of radiation shielded structure. Individual shielding requirements are met by tailoring the density and number of layers of VeriShield as needed. Shielding is easily installed, in even the most confined work site, and can be easily upgraded, reconfigured or removed if needed.

Compared to concrete, VeriShield requires less than half the space and is installed much faster. Modules are easily transported to the worksite and can be stored indoors or out, as installation is unaffected by weather. Their compact size allows for convenient delivery with fast and easy installation without disrupting surrounding services.

No other shielding method provides a comparable blend of attenuation performance, convenience and affordability.



## FRACTIONAL MODULES

In addition to standard full-sized modules, VeriShield is available in half thicknesses (HT), which allow layers to be offset, effectively locking the overall shielding structure firmly together.



## SIZE

Standard VeriShield modules are 5" x 5" x 10" (127mm x 127mm x 254mm). Their compact size allows for easier handling along with increased worker safety and a dramatic reduction in installation times.

## DENSITY

VeriShield is available in a variety of densities ranging from 150/lbs/ft<sup>3</sup> (2.4 g/cm<sup>3</sup>), to 313 lbs/f t<sup>3</sup> (5.0 g/cm<sup>3</sup>).

## INTERLOCKING RIDGES

The smoothly curved faces of the VeriShield modules provide a tight fit between individual pieces (top to bottom and on both ends), for a solid, leak-free interlock.

## ATTENUATION

VeriShield provides superior neutron and photon attenuation for all types and energies of equipment.

The groundbreaking interlocking curves of VeriShield introduce an extra measure of radiation protection. By eliminating any chance of straight line passage of radiation between the modules, VeriShield provides enhanced attenuation levels—by a factor of two times at the joints—unmatched by other existing shielding methods.

Veritas systems guarantee 100% radiation protection.

#### Commercial Radionuclide Producers and Research Institutions

Accelerator and cyclotron-produced diagnostic and therapeutic radiopharmaceuticals to meet critical patient healthcare needs and help advance clinical research. Veritas shielded rooms, door systems, structures and peripheral shielding.

#### High Energy X-Ray Inspection Services

Non-destructive testing of critical parts such as those in aerospace, medical device, electronic, automotive and defense applications. Also cargo inspection and product screening facilities. Veritas shielded rooms, door systems and peripheral shielding.

#### Fission / Fusion Energy Generation and Research

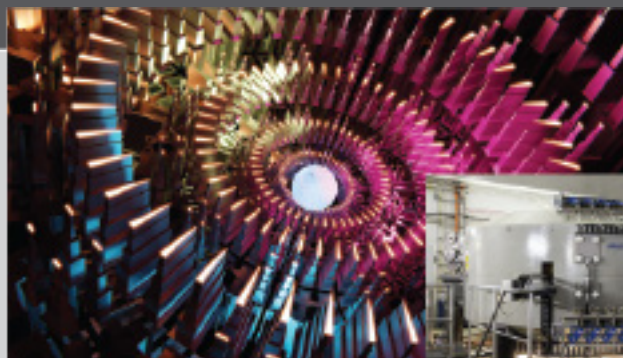
Production of reliable nuclear power through advanced technologies. Development of innovative bio-shield designs and components to retain strength and attenuation levels under neutron loads and high temperatures. Veritas designs maximize shielding attenuation while assisting with activation/waste/recyclability issues associated with nuclear facilities. Veritas exterior vessel shielding, storage bunkers and bio-shield stockpiles.

#### Small Modular Reactors (SMR)

Veritas is actively exploring VeriShield options for incorporation in modular shielding designs as part of the IAEC Nuclear Harmonization and Standardization Initiative (NHSI), with the goal of facilitating the safe and secure deployment of SMRs and other advanced nuclear technologies.



VeriShield construction allows for unmatched flexibility in designing details to accommodate virtually any installation. The VeriShield modules and shapes can be configured to produce the very best in shielding strength and effectiveness.





Veritas SmartDoors® feature a stream-lined design, which gives you optimal space, and the energy-efficient drive system is quiet, fast and ultra-reliable. Integral VeriShield® Modules provide 100% guaranteed radiation shielding, and standard designer finishes and optional custom surfaces add beauty to the mechanical brawn of the system.

**Doors to be seen, not heard.**

Smooth linear movement and Whisper Technology provides quiet operation.

**We're testing to failure and are still waiting.**

**No failures in over 12 years of typical operation, and still counting.**

The use of robust high capacity components provide the system with a 4x safety factor, which ensures performance that lasts. High maintenance components such as wear strips, rollers and multiplesupport rails have been eliminated.

**Rapid-Open technology speeds access.**

6-8 second open/close speeds eliminate the need for partial-opening switches and unproductive wait times. The electronic drive system is infinitely adjustable and can be modified to suit facility preferences. Personnel safety is ensured with the use of industrys foremost electronic safety system and emergency mechanical backup.

**Interactive computer control with peripheral connectivity.**

Upgraded HMI electronics provide precise door operation with comprehensive data collection/reporting and remote troubleshooting capabilities. The system is easily connected to optional security card readers, fingerprint scanners and voice actuated components.

**Eliminate the inconvenience of process interruptions.**

Redesigned and upgraded mechanics minimize wear-related parts, simplify maintenance and increase protection of the unique linear drive. The new design allows for faster installation and a reduced height profile, perfect for limited height spaces. All Veritas Providence® doors come with a 2 year warranty.

*"Veritas provides what I would consider a comprehensive, turnkey solution that meets or exceeds their customers' requirements and expectations, even if their customers throw them fast curve balls."*

-Dean Beebe,  
Supplier Integration Manager  
NorthStar Medical Radioisotopes LLC

For more information on Veritas Providence Door Systems  
or how Veritas Medical Solutions can benefit your next project,  
contact us at 888-242-6760 or visit [veritas-medicalsolutions.com](http://veritas-medicalsolutions.com)



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