



The V Technical Textiles, Inc. brand of Rack Cover Portable RF/EMI Shielded Enclosures is a self-contained portable enclosure designed to provide RF isolation of electronic equipment racks by covering the equipment racks with metalized fabric, creating a Faraday Cage Effect, blocking the presence of electromagnetic fields within the enclosure and allowing the enclosed devices to operate at maximum efficiency and eliminating the RF noise from the enclosed devices from the external environment. The size, weight, and ease of assembly make these Rack Covers very portable. The Rack Enclosures are available in a wide range of configurations and custom designed to suit our customer's specific wireless testing needs.



**Applications**

- Design Verification
- Performance Testing
- Pre-Certification Testing
- Production Line Measurements
- Quality Assurance Testing
- Any application requiring an Ambient Free Environment

**ISOLATED RF TESTING FOR MULTIPLE APPLICATIONS**

- |                |               |
|----------------|---------------|
| • 802.11       | • GPS         |
| • WLAN Testing | • Cellular    |
| • CDMA         | • Bluetooth   |
| • MIMO         | • RF Wireless |
| • Wi-Fi        | • Other       |

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Our Rack Enclosures are constructed using high quality Shieldex® shielded material provided by Statex Produktions und Vertriebs GmbH in Bremen, Germany. The enclosures are available in multiple sizes, layers, and configurations.

V Technical Textiles, Inc. (VTT) Rack Cover Portable Shielded Enclosures offer a variety of shielding performance levels depending on the series of enclosure:

- **8000 Series:** Two layer construction offering an average of 85 dB of shielding performance from 30 MHz - 18 GHz.
- **7000 Series:** Two layer construction offering an average of 65 dB of shielding performance from 30 MHz - 18 GHz.
- **6000 Series:** Single layer construction offering an average of 50 dB of shielding performance from 30 MHz - 18GHz

**Standard wireless applications typically employ our 8000 Series design.**

#### OPTIONS

- Single, Double, or Triple Layer Construction
- Permanent Bulkhead
- Removable Bulkhead
- Filtered Feed-Through Connections for Communications (Bulkhead Panel)
- SMA
- USB
- RS232
- D-Sub
- Fiber Optic
- Custom I/O Configurations
- Filtered Power Inputs
- Power Filter Box with Cable Sleeve Assembly
- Frequency Specific Notch Filters
- Band Pass Filters
- BNC or SMA Mounted Feed Through Wireless Antennas
- Honeycomb Ventilation
- Forced Air Fan Assembly
- Custom Configurations are available upon request

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Rack Cover



Our Engineering department will help you design the RF Shielded Rack Cover to meet your specific needs. Though we have standard designs for all of our enclosures, almost all of our enclosures are custom-designed to meet the unique challenges faced by our diverse clientele. Call us and see what makes us the world leader in RF/EMI enclosures and how we can satisfy your shielding challenges and needs!

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