



Shieldex® conductive fabrics were used to create the first US based clean room acceptable EMI/RFI portable enclosure for NASA!!!

V Technical Textiles Inc. d/b/a Shieldex-U.S. (10/10/2008)

The first U.S. based clean room acceptable EMI/RFI portable shielded enclosure has been completed and deployed in a class 1000 clean room at NASA's Jet Propulsion Laboratory in Pasadena, CA, where it is now in service to test and run diagnostics on the Mars Science Laboratory rover and other spacecraft. This new EMI test chamber is 9,375 cubic feet in size with an inside dimension of 25' x 25' x 16' high, designed to give performance of 85db from 30 MHz to 1 GHz average. Made from state of the art plated textiles including the new Shieldex® Nora Dell CR (Part # 1401101S80CR), which can be cleaned to meet the requirement of a class 1000 clean room, it is designed to have no sloughing or particle release. The tent also has the latest in fire inhibiting outer layer Shieldex® Berlin (Part # 1200131127). This new product design for clean room use also addresses the issues of out gassing and particle content, and safety concerns. The inside of the EMI/RFI enclosure is specially designed with clean room ESD curtains to further add to the safety of the test components and personnel inside. Custom designed bolt in bulkheads manufactured by Action Systems Inc. allow for data and power to be accessed inside the test chamber, these panels are designed to be removable and interchangeable. Custom developed door design using NO magnets and a weighed floor seal also add to the performance of the test chamber. Many options and accessories are available to provide a full system solution to your application. V Technical Textiles Inc. d/b/a Shieldex-U.S. (Woman's Owned Small Business) is a custom fabricator of conductive textiles and the sole distributor of Shieldex® products in North America and other countries. Shieldex® products are manufactured by Statex, the world leader in innovative conductive fabric design and manufacturing.



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