

ISO 8 Cleanroom for Medical Device Manufacturing

Case Study

Application: ISO 8, Class 100,000 Vestibule and Cleanroom

Products:

- ✓ Series 300 Vinyl Fire and Sound
- ✓ Furring 500

Benefits Provided:

- ✓ Minimal Impact to Facility During Installation
- ✓ Environmental Control for Iso 8 Validation
- ✓ Coordination With Construction Trades for Efficient Construction Process



The Situation

Vesta is a medical device outsourcing partner that delivers innovative solutions in molding, extrusion and assembly of devices and packaging for the medical industry. Our client required complete environmental control with ISO 8 validation in order to completely contain one of their manufacturing processes.



The Challenge

As this was an operating facility, our client desired a construction solution that would not impact the rest of the manufacturing processes within their facility. In response, our distributor educated our client about the benefits of utilizing modular systems, including a quick installation project with minimal debris, noise and a reduced number of trades - all resulting in a minimized effect on the surrounding environment during the installation process.



The Solution

Our distributor utilized our Furring 500 wall system with vinyl gypsum panels to construct the vestibule leading into the main cleanroom which was constructed with our Series 300 system and a combination of both vinyl Fire and Sound and FRP panels. Due to the chemical use and storage needs inside of the cleanroom, our distributor incorporated an aluminum framework and FRP walls to minimize corrosion during repeated wash down procedures. A combination high speed doors and impact doors were also incorporated into the design in order to minimize cross-contamination while also maintaining the required level of environmental control.