

Thermal-Controlled CMM Equipment Enclosure

Case Study

Application: Thermal-Controlled CMM Room

Product: OmniFlex Fire & Sound (16-foot tall)

Benefits Provided:

- ✓ Building Constructed to Withstand Tight Tolerances for Measuring
- ✓ Roll-up Doors to Allow Safe Passage of Large Equipment While Maintaining Environmental Control
- ✓ Integrated Wall System With Bridge Crane for Use in Transferring Large Equipment



The Situation

A major manufacturer of down-hole motor equipment for the oil and gas industry turned to one of PortaFab's distributors for help in relocating an existing CMM enclosure to their new manufacturing headquarters. Our distributor, who originally installed the enclosure, was contacted based on the quality of work they provided during the original installation to ensure the building was accurately controlled and properly specified.



The Challenge

During the initial conversations with the client, our dealer realized the potential opportunity to increase throughput by installing a second enclosure – an exact replica of the existing building – which would allow two precision testing and measuring processes to be conducted at the same time.

The client saw the potential advantages of utilizing two enclosures, and our distributor was awarded the bid to build a second enclosure in addition to relocating the existing building.



The Solution

The final enclosure features wide quick roll-up doors to accommodate the safe entry and exit of large-scale drill bit manufacturing equipment, while also maintaining environmental conditions through quick open/close features. The building also integrates with the existing bridge crane to enable proper handling of heavy drills and equipment.

Due to the working relationship with this client, our distributor was called for repeat business through the relocation of a modular building. Our distributor went above and beyond by recommending additional modular solutions for this client, which ultimately resulted in the sale of an additional modular enclosure to enhance the operation's throughput.

Due to the ever-changing needs within the oil and gas industry, our distributor is consistently meeting and exceeding the demands of this client – and ultimately creating plenty of down-the-road potential for future opportunities and modular expansions.