



Five Reasons Why You Should Choose Cross Company to Build Your Mobile Panel



When designing a mobile control panel, there are a number of special considerations that make them different from an industrial panel. This is primarily because mobile panels are just that – mobile. They are exposed to the elements, subjected to heavy vibration, have unique space limitations, and are required to mate up to vehicle wire harnesses. For this reason, it is important to work with a company that has experience in building control panels specifically for on and off-road mobile applications.

1. Vibration Requirements

Due to the nature of mobile environments, vibration is a big factor when building control panels. All the connections within the panel have to hold up to continuous movement. At Cross, we install ferrules on all wiring to terminal blocks, switches, lights, and push-buttons. Any wire end that would usually be bare stranded copper is now required to have a ferrule installed. In addition, we utilize spring terminals so as the panel vibrates the terminals do not work themselves loose.

2. Custom Panel Design

When building a panel for a mobile application, the typical rules don't apply. Mobile panels tend to be more compact so they can fit into the space available on the equipment, meaning that standard panel sizes will not work. For this reason, the free space requirements of a normal industrial panel are not relevant. Additionally, when building a panel you need to consider where it will be located on the equipment, and how that affects the location of components and the need for intrusion protection. Our engineering team works directly with a custom panel shop to make sure that every panel enclosure is perfectly made for the application.

Click continue reading below to see reasons three, four and five for why you should trust Cross Company to build the control panel for your mobile equipment.

[Continue Reading](#)

We have years of experience in building control panels specifically for on and off-road mobile applications. Tap into our mobile expertise to improve your efficiency!



Coming Soon - Mobile Technology Center Expansion

Our 8,000 square foot Mobile Technology Center is coming along! We are looking forward to getting into this new facility that gives us much more production room - we expect to be in this Spring.

The Mobile Technology Center, located close-by to our corporate headquarters, has twin hi-boy roll-up doors to host our customers' machines, plus an extra large section where our technicians build the custom panels and hose kits.

Cross Company is focused on serving you, our customer, with the best mobile OEM equipment solutions. Tap into our expertise today to see how we can help you build more efficient equipment.

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