

SMT MANUFACTURING FOR ELECTRIC VEHICLE (EV) COMPONENTS

LOCATION

Alberta, Canada

INDUSTRY

Semiconductors /
Automobile

APPLICATION

SMT Manufacturing

DIMENSIONS

9,000 sq. ft.

CLEANROOM CLASS

Class 10,000 (ISO 7)



To scale up production capacity, our client needed high-quality cleanroom spaces for their surface-mount technology (SMT) and printed circuit board (PCB) assembly lines.

MECART provided a 9,000-square-foot class 10,000 clean room (ISO 7) for PCB and SMT manufacturing.

KEY FEATURES OF THIS PROJECT

- ✓ ballroom design with no dividing wall and no columns
- ✓ large bay window glass wall
- ✓ outlet columns in the middle of the room to connect equipment
- ✓ freestanding cleanroom structure
- ✓ qualification for LEED certification



Picking a Greener Cleanroom Solution

To revolutionize the electric vehicle industry, our client built a world-class, state-of-the-art automotive component facility.

The Net-Zero building is powered by a solar roof and equipped to ensure water conservation and zero waste products.

Selecting a modular cleanroom was compatible with the company's values and culture, as they were seeking a green building. By not opting for stick-built cleanrooms, our client will be eligible for LEED certification.



Large Glass Bay Window Wall

This room is not only used for manufacturing, it also serves as an elegant showroom for investors, employees, and customers. Production along the surface mount technology (SMT) assembly line can be clearly seen from outside the cleanroom.

