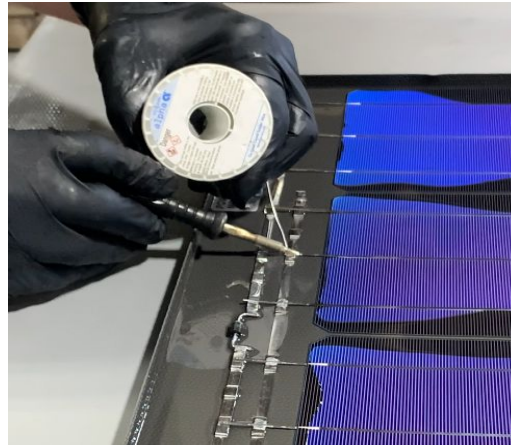


PV Insert – Encapsulant Dispense application for Solar Panel



Robot applies adhesive in flat aluminized panel before solar cell placement



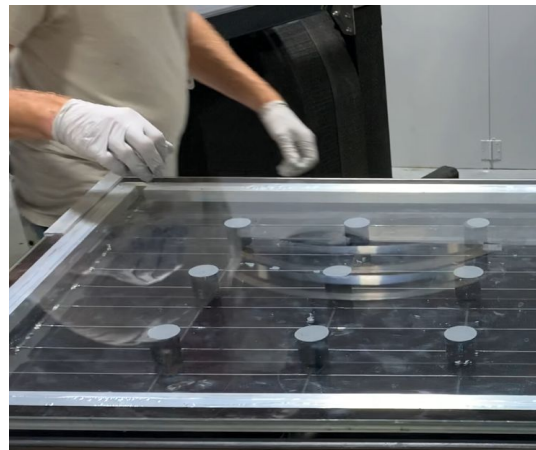
Manual soldering of Solar panels



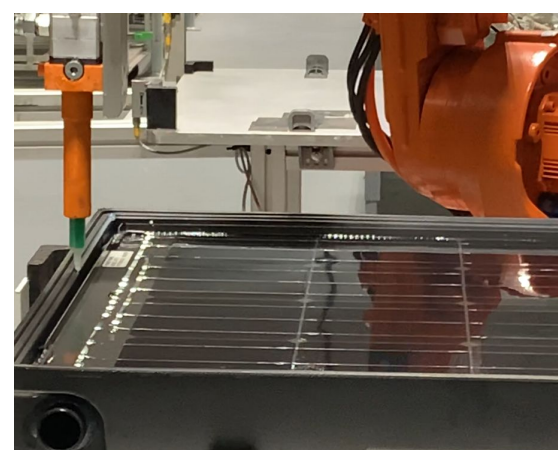
Adhesive application again



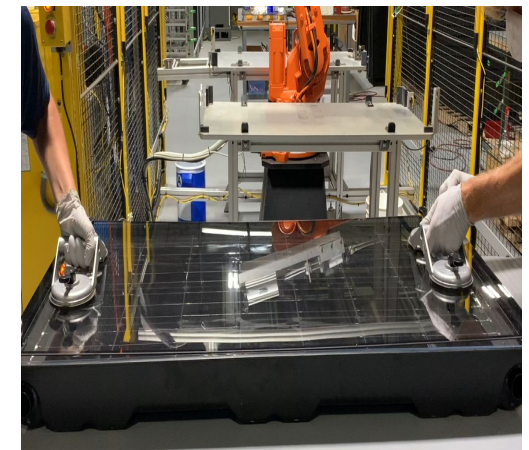
Gluing application



Glass Fixing application



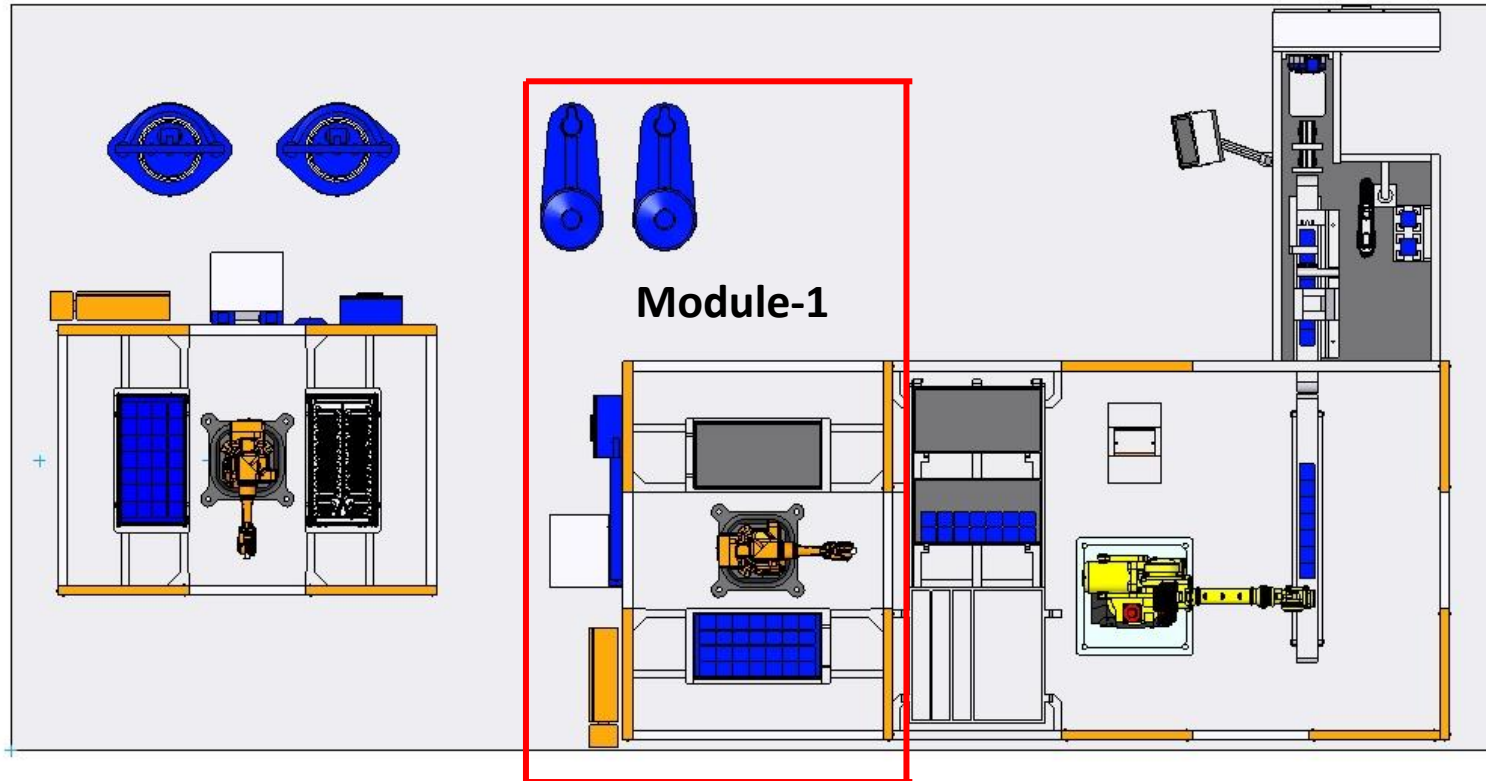
Gluing application



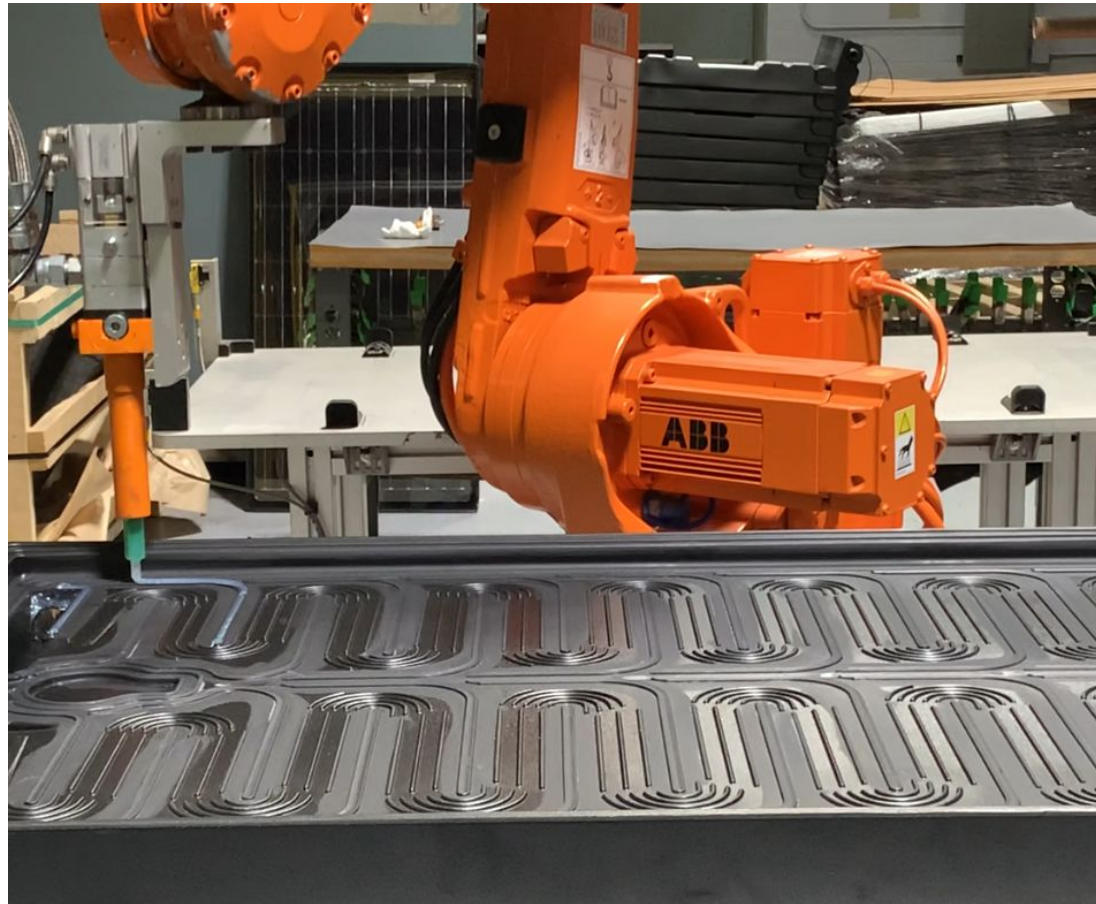
Glass Fixing

Manufacturing Module – Encapsulant Dispense – Part of PVInsert Build

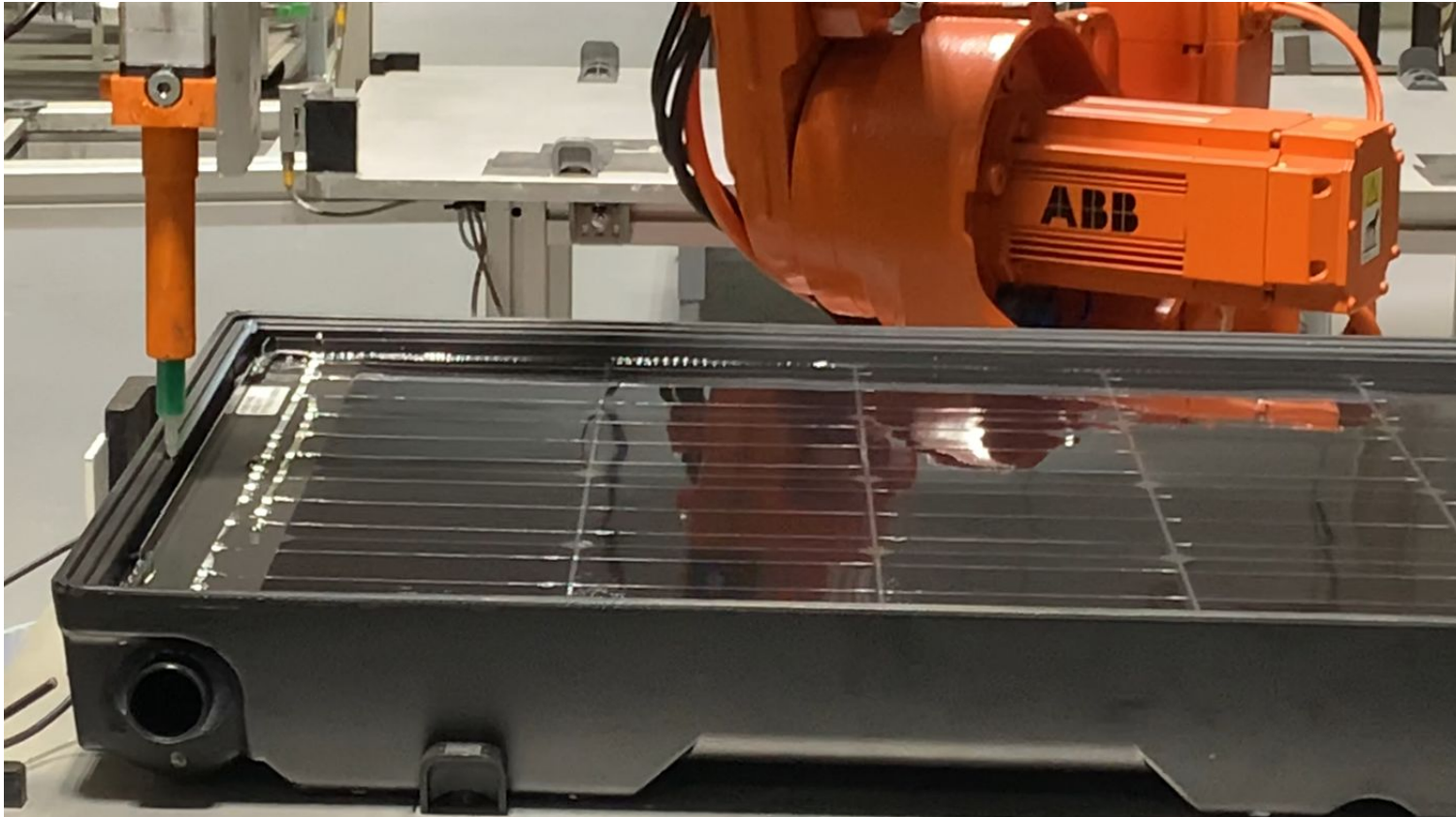
- Module Functions:**
- 1) Dispense 0.6mm thick base layer onto hard coat anodized aluminum sheet
 - 2) Dispense 0.6mm thick top coat layer on to completed/soldered PV insert



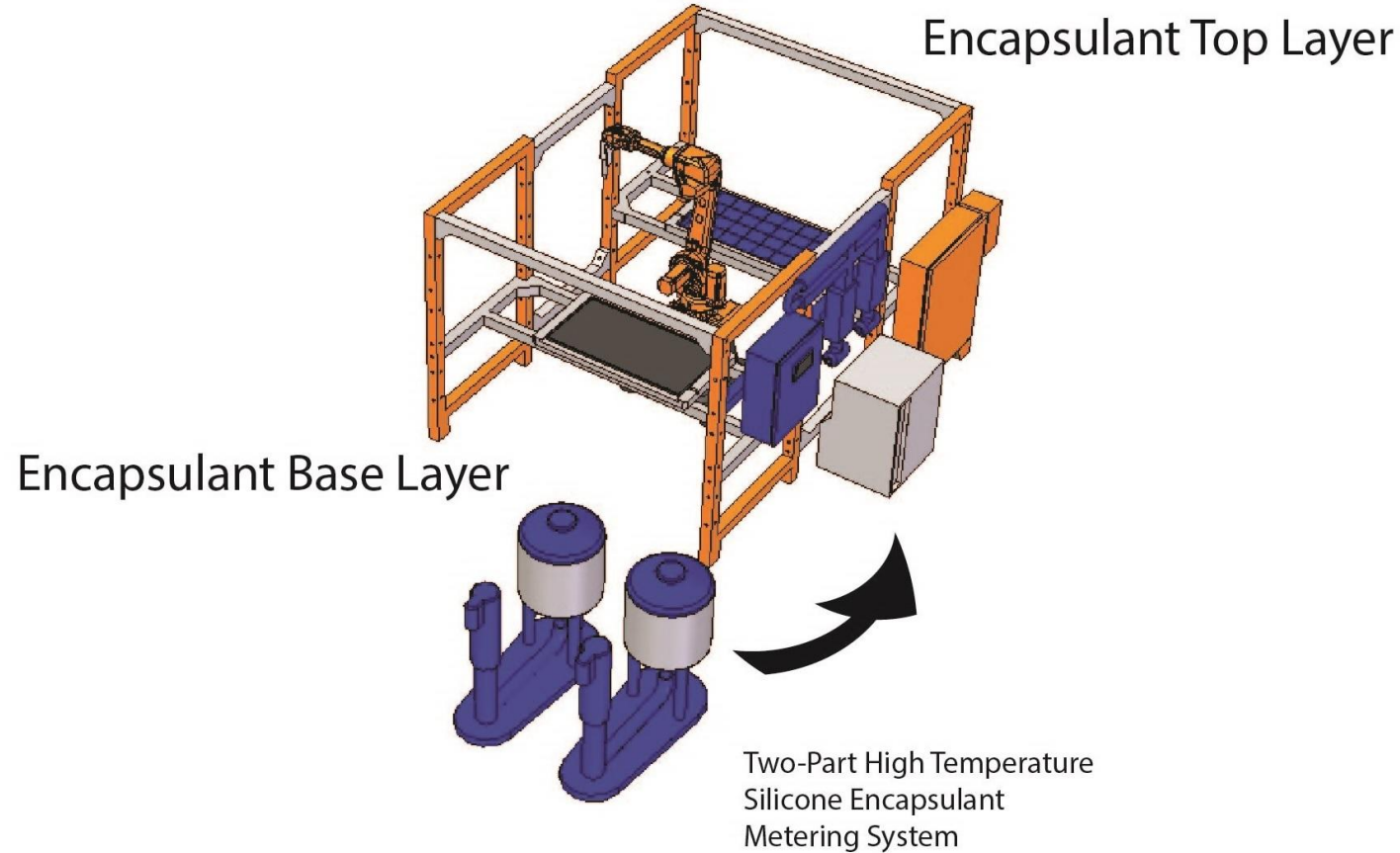
Application: 1 Dispense 0.6mm thick base layer onto hard coat anodized aluminum sheet



2) Dispense 0.6mm thick top coat layer on to completed/soldered PV insert



Encapsulation Robotics Operation





Robotic Equipment

ABB IRB 2400 Six Axis Robot

The IRB 2400 is a compact robot with high payload capacity. The design has been optimized for targeted applications such as arc welding, material handling, machine tending, and dispense operations. The IRB is available in three variants, with options for floor, wall, shelf, tilted, or inverted mounting configurations.



