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KUBT Battery Manufacturing Technology
www.KUBT.US 248-747-4700

KUBT, LLC. Battery Pack Final Assembly Systems

Flexible Assembly Volume * Battery Pack Dimensions

Flexible Components Off Line Assembly Indexed to Final Assembly and Testing

Robotic * Automation Part Assembly * Manual Assembly * Integrated System

KUBT Battery Pack Assembly System

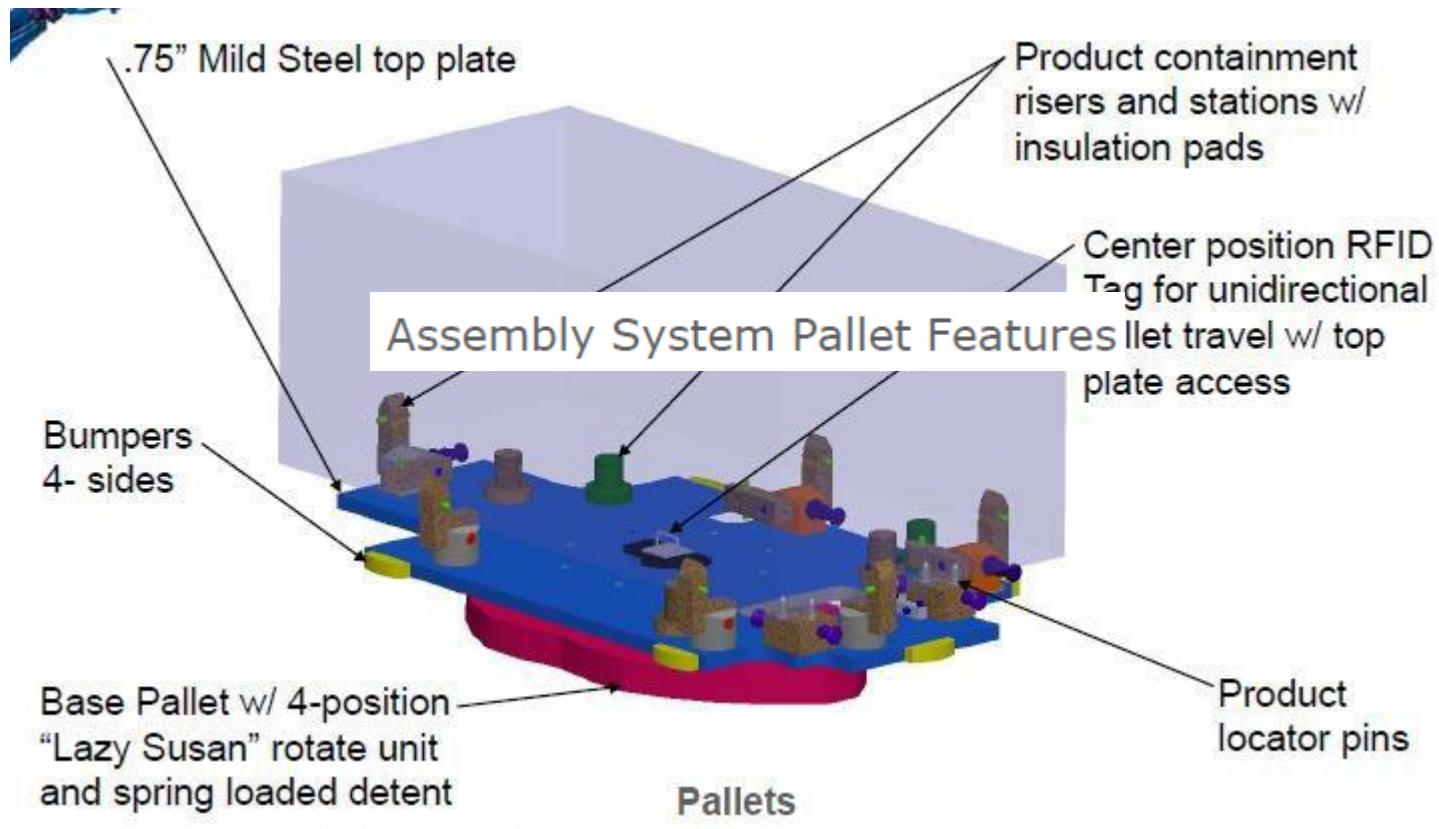
Scope of Work Description



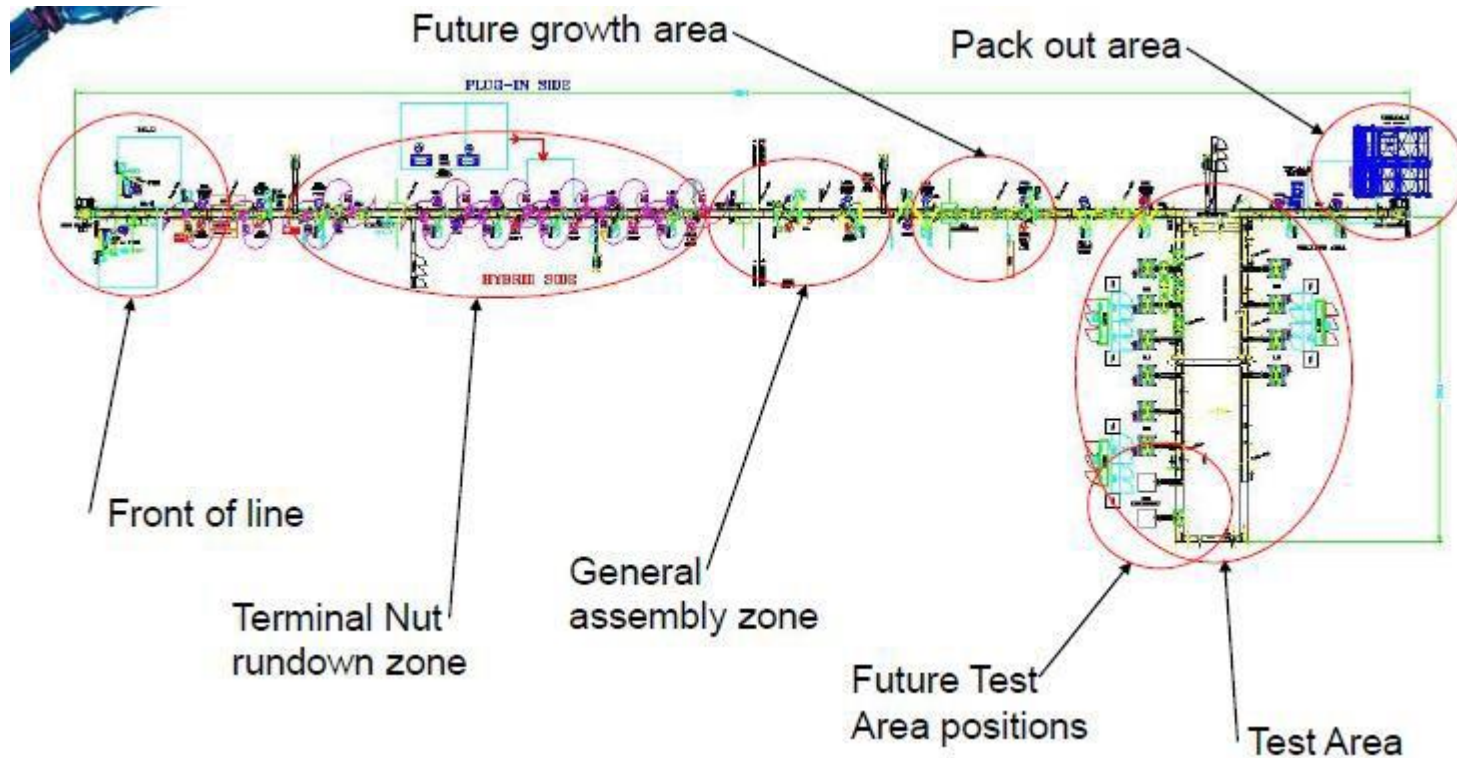
- Battery Pack Assembly for both Hybrid Vehicles & Plug-in Vehicles
- Volume: Over 75,000 total units / year
- Full Assembly and Final Test Systems
 - 5 Test Systems (2 stations each system, 2 positions each station)
- All manual assembly system
- Straight line configuration
 - Less total space allocation
 - Line side deliveries (both sides of line)
- High consideration for redundant error proofing, for high FFT (first time through) consideration.
- Plan for unskilled labor
- High consideration for Operator safety for high voltage.
- Delivery 34 weeks after completion of simultaneous engineering

KUBT Battery Pack Assembly System

Pallet Features

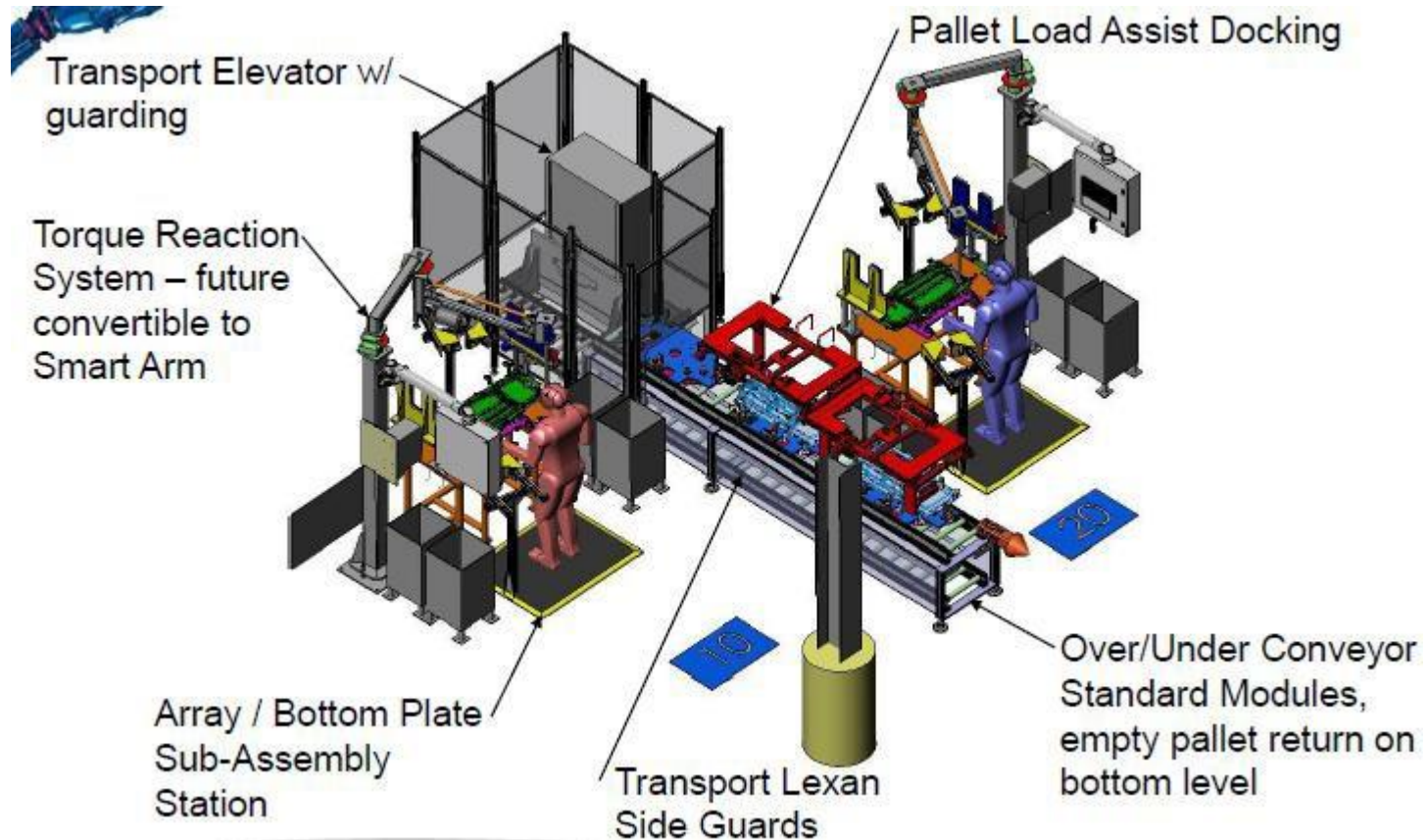


KUBT Battery Pack Assembly System Layout Configuration

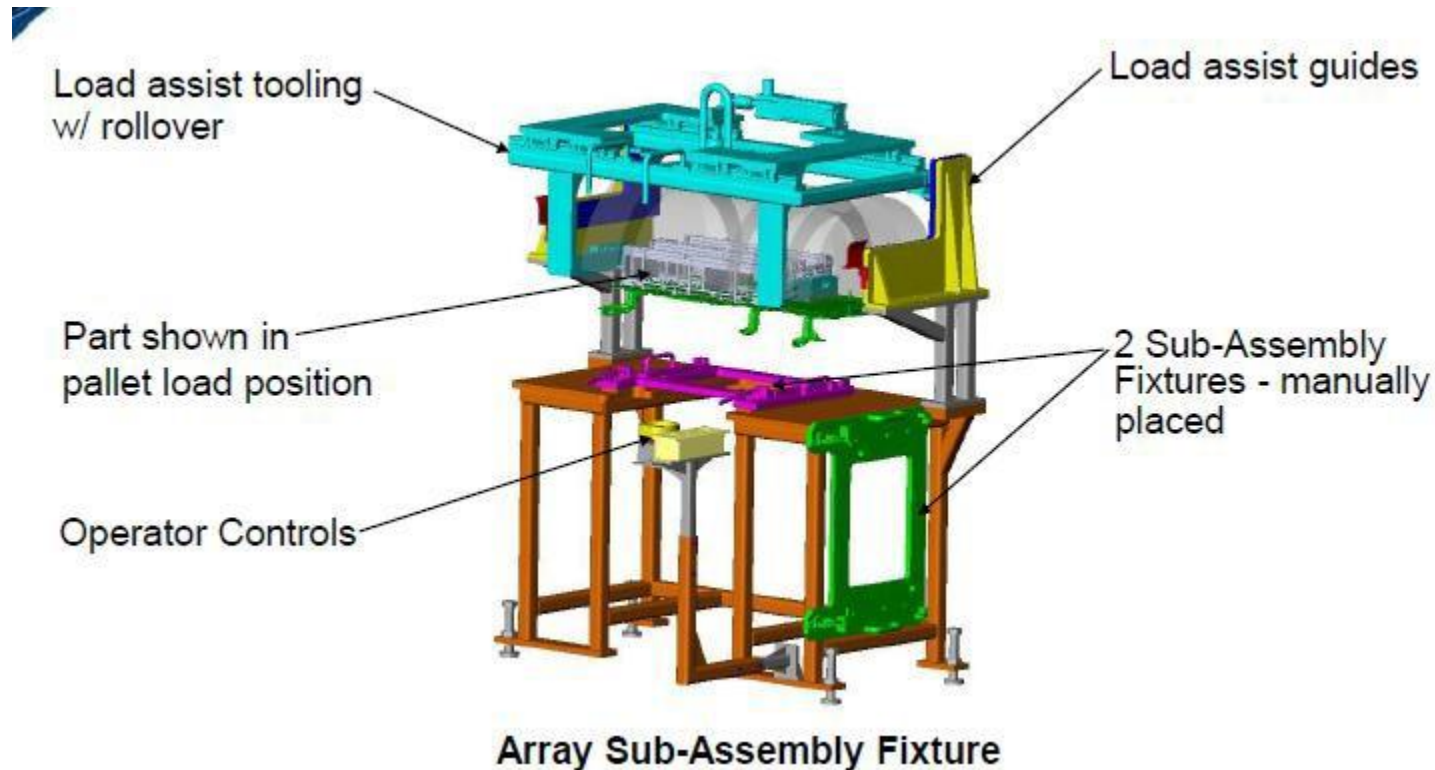


Battery Pack Assembly System

Front of Assembly Line

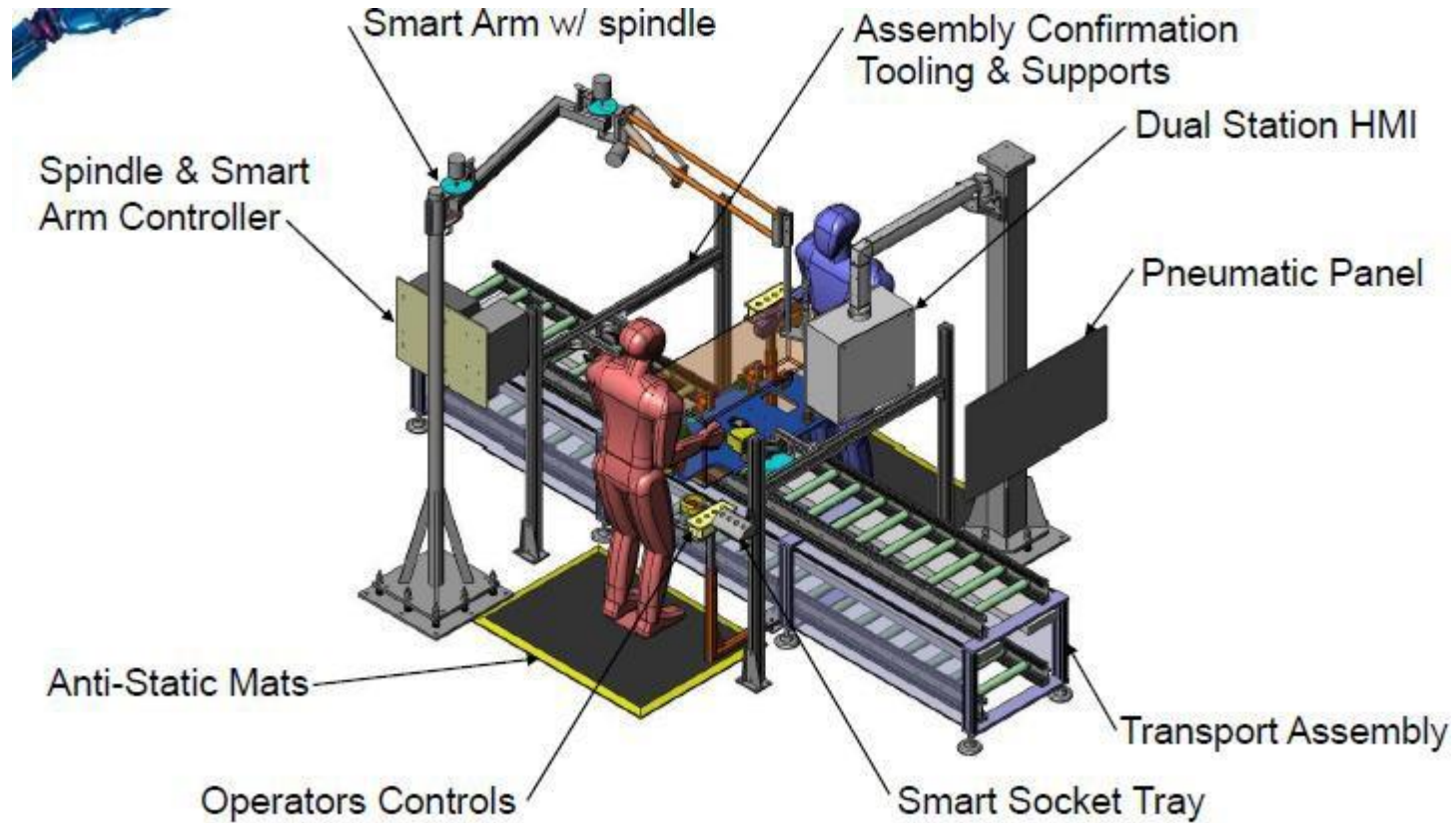


Battery Pack Assembly System Load Assist with Auto Roll Over

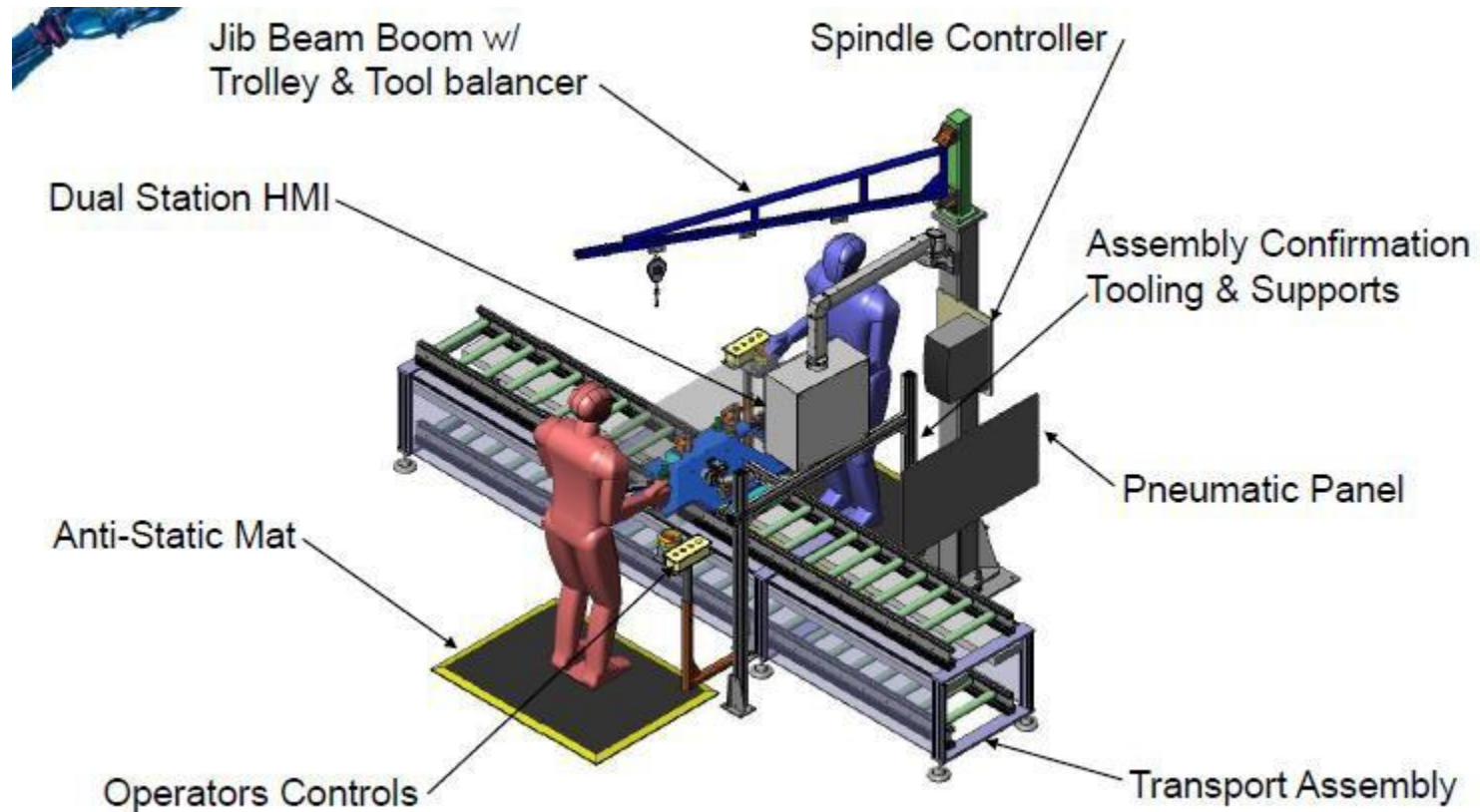


Battery Pack Assembly System

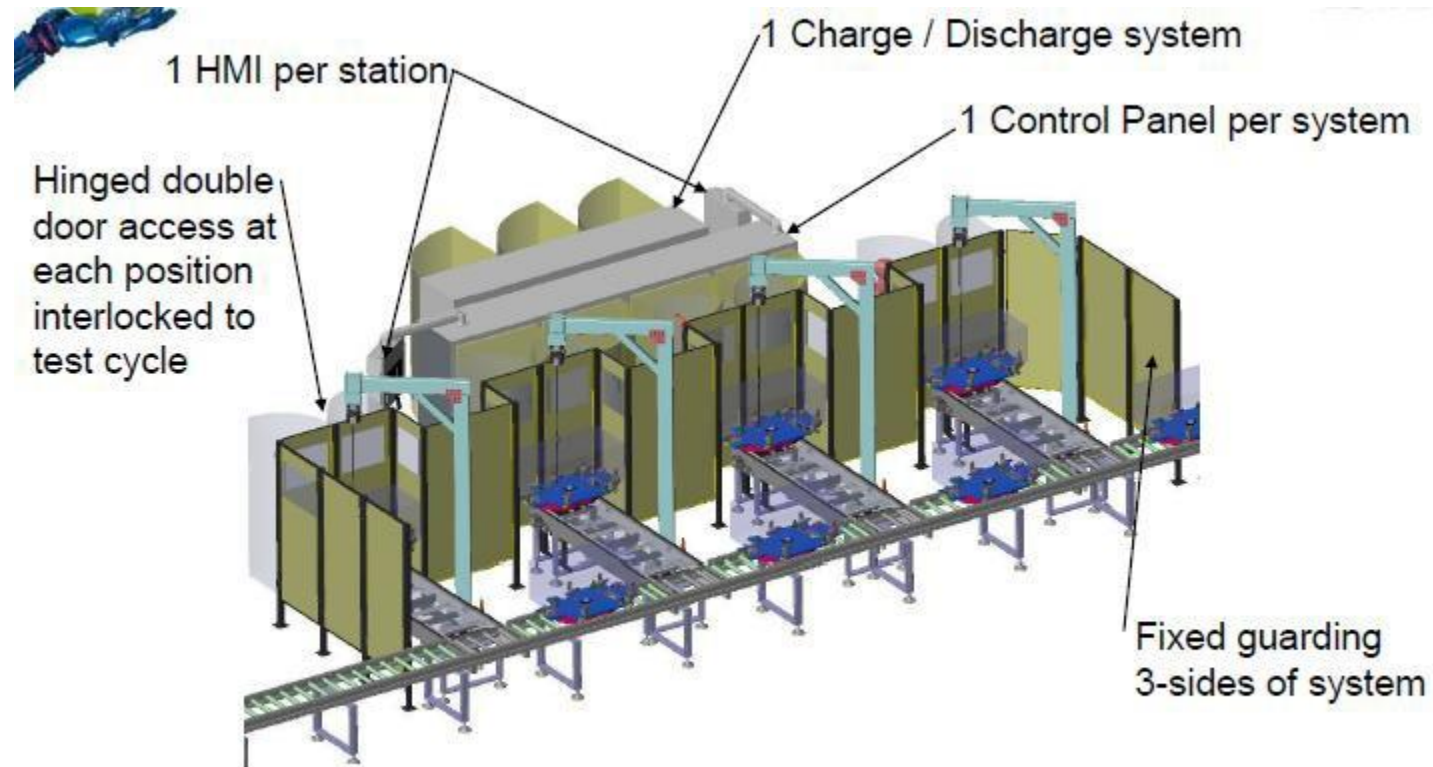
Battery Terminal Nut Secure SPC



Battery Pack Assembly Zone Manual - Robotic - Automatic

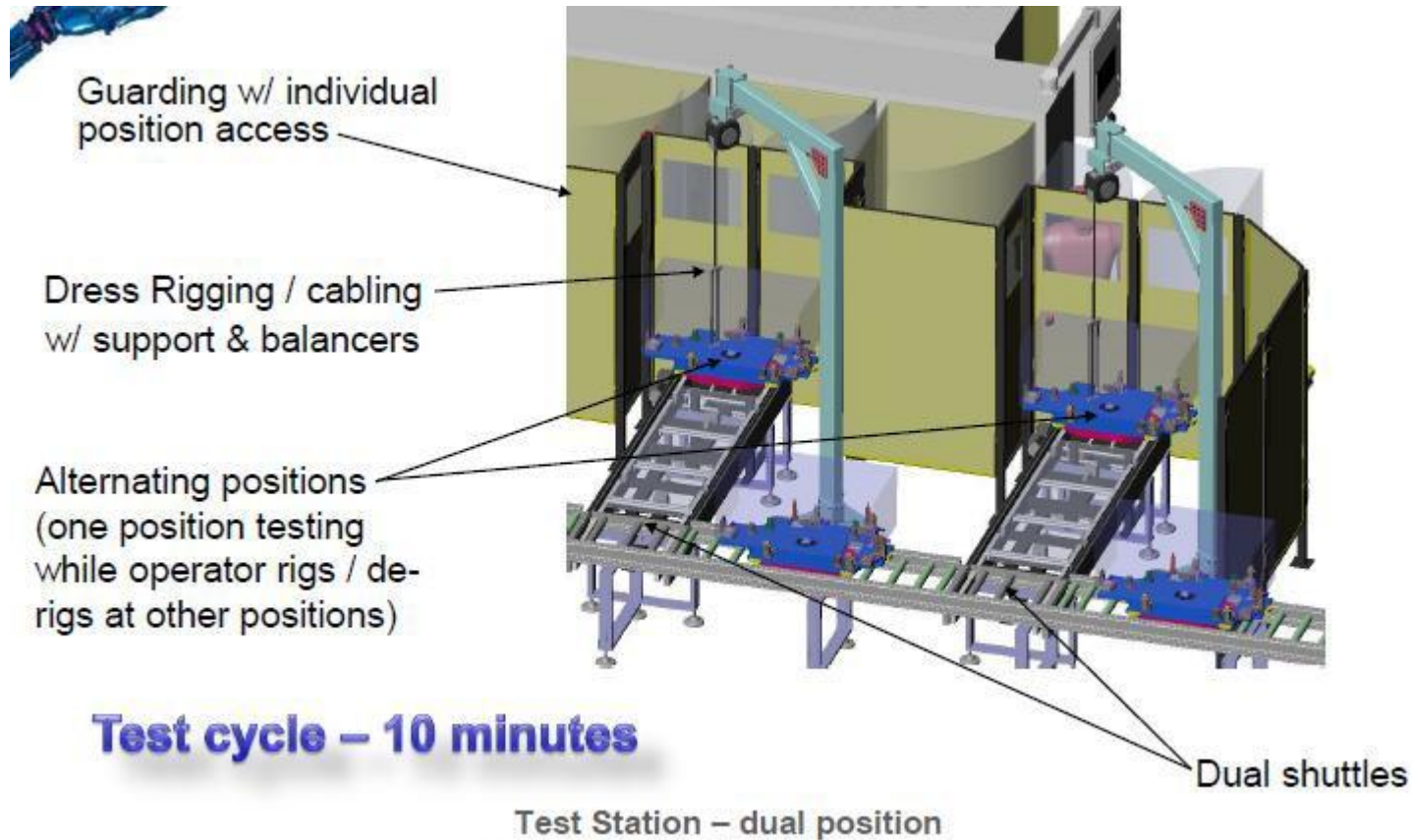


Battery Pack End of Assembly Line Testing



Battery Pack Test System

Battery Pack End of Line Testing



Battery End of Assembly Line Testing



● Battery Test

- Charge / Regenerative Discharge
- Controller Diagnostics
- Voltage, Current Measurements
- Leakage Tests
- High Pot Tests
- Thermal Monitoring

