



What CET Material Handling Can Do

System Design & Configuration

- Design teardrop and structural pallet racking systems using dimensionally accurate Speedrack materials and standard accessories (crossbars, backstops, fork entry bars, etc.).
- Create generic cantilever, deep-rack, and shelving layouts.
- Integrate conveyors, mezzanines, AGVs, and guarding into designs.
- Use snap-to-fit logic for intuitive assembly.

2D & 3D Visualization

- Import CAD or PDF layouts as design templates.
- Generate accurate 2D and real-time 3D layouts.
- Create photo-realistic renders for presentations.

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Quote Generation

- Auto-generate BOMs with Speedrack part numbers (for pallet racking).
- Export quotes and proposals.
- Apply pricing rules, discounts, and freight estimates.

Project Documentation

- Produce technical drawings, section views, and elevations.
- Export in DWG, DXF, or PDF formats.

Error Reduction

- Built-in validation for part compatibility and clearances.
- Accurate material counts and quantities.





What CET Material Handling Can't Do

Structural Calculations

- No engineering-grade structural or seismic analysis.

Flow & Capacity Simulation

- Doesn't simulate product movement, bottlenecks, or throughput.
- No animation or queue logic; use tools like Emulate3D, FlexSim, or AutoMod for simulation.

Code Compliance

- Doesn't check for fire codes, OSHA, egress, or forklift safety zones.
- Requires manual or external validation.

Lighting & Environmental Design

- No tools for lighting, HVAC, or cold storage zoning.
- Use Revit or AutoCAD MEP for these needs.

Automated Optimization

- No layout optimization by SKU velocity or pick logic.
- Placement is manual or rule-driven; use software like Optricity or FortnaWES for optimization.

Dynamic Interference Checks

- Basic collision detection only.
- No real-time space conflict alerts during layout changes.

