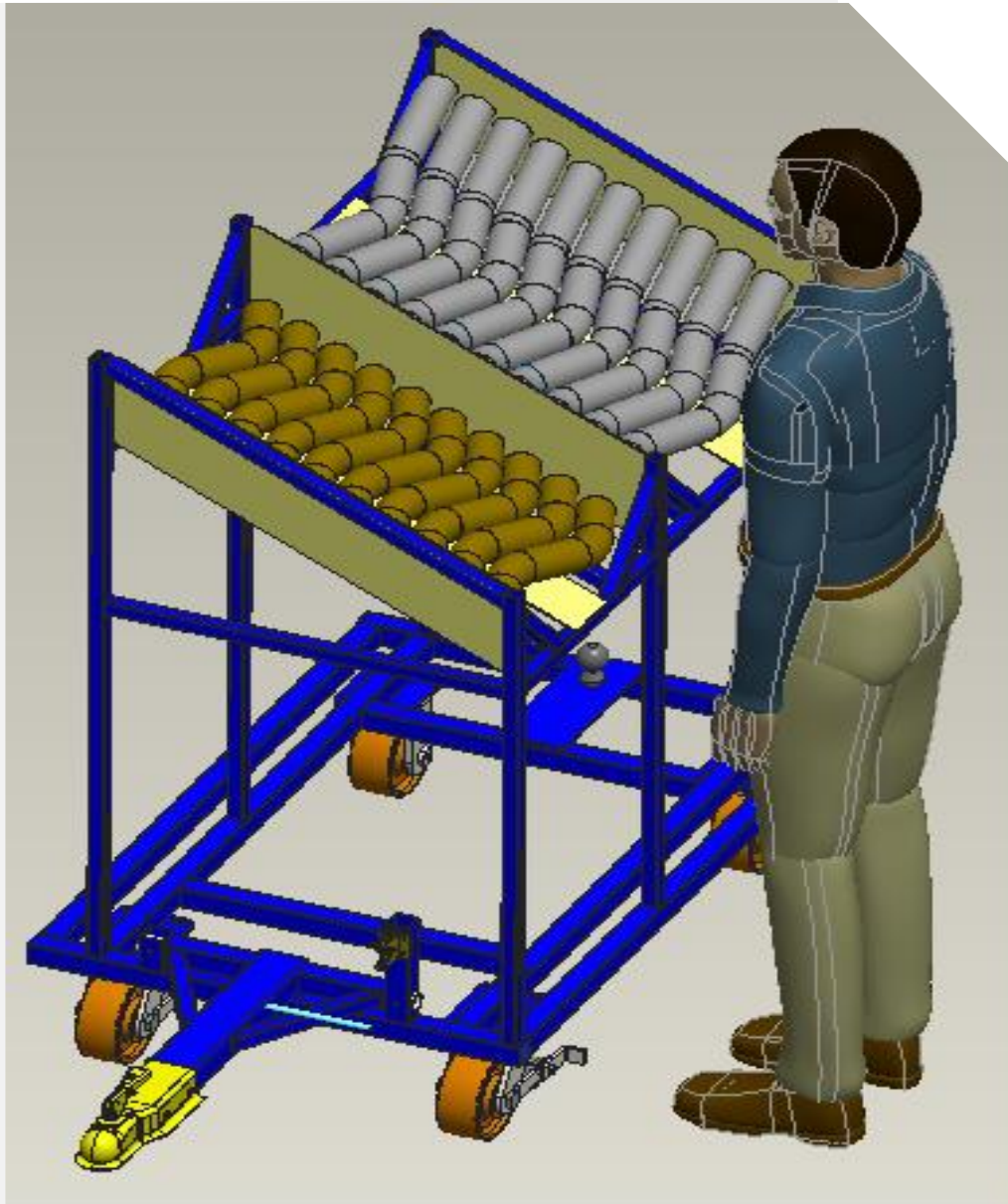


Kitting Cart Design



Scope

- Designing of special purpose kitting cart to move transport part within the facility and feed part to assembly lines.
- Raw part will unload from dock and transported to assembly line using forklift. Local material movement will be done manually & Cart will deliver material to stations

Deliverables:

- 3D Model & 2D Manufacturing drawings for Cart
- PTC Cre-o files for 3D cad & 2D manufacturing drawings
- 3D Step files, pdf drawings, AutoCAD DXF files
- Evaluate & Finalized various concepts proposed with Tenneco
- PowerPoint presentation for each cart
- 3d PDF files for visualization

Software Used

- Ergonomically cart design improve operator efficiency
- Lean structure design to reduce NVA time
- Less material usage with optimized design, reducing floor space
- Kit cart design have PTFE coverings, indulging safe loading & transporting for parts
- Provision for Tugger & castor wheel improves material flow process & reduce transporting time