Mitchel Rabsatt

Mechanical Design Engineer
Florida
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Authorized to work in the US for any employer

Work Experience

Mechanical Design Engineer

Polypack, Inc - Pinellas Park, FL
October 2017 to Present

- Manage CAD data within Solidworks PDM system to document and communicate production changes.

- Collaborate with a team of engineers to develop and manufacture packaging equipments for the pharmaceutical industry.
- Create and maintain ECOs to ensure timely approval and completions of ECOs using Solidworks' PDM system.
- Coordinate with suppliers and internal engineering resources to transition conceptual designs to production.
- Create and modify layouts, sheet metal part, and assembly drawings in accordance with department standards.
- Conduct design validation by defining functional, dimensional, and visual requirements for components.
- Determine required tolerances using GD&T and produce drawings to be release to suppliers.

Notable Accomplishments:
- Standardize sheet metal parts and assemblies in Solidworks and AutoCAD to streamline the production process.
- Increase sales and project completion percentages by solving fundamental issues within the manufacturing process.
- Incorporated parametric modeling features to parts and assemblies, using Solidworks' configuration features.

Mechanical Design Engineer

The University of Alabama - Tuscaloosa, AL
August 2016 to August 2017

- Worked as a member of a development team to design, build, and validate the performance of 3D printed prototypes.
- Actively ideate and refined ideas to reach creative solutions for product designs.
- Provided CAD support for the designing, assembling, and testing of prototypes.
- Developed integrated materials, processes, and machine manufacturing solutions using additive manufacturing.

- Maintained documentation of designs, test results, and operation instructions for the test fixtures and prototypes.

Notable Accomplishments:
- Served as a liaison with the engineering team and The National Science Foundation officials to facilitate the testing process.
- Wrote technical papers on additive manufacturing, and presented findings and prototypes to industry professionals.

Education

Bachelor of Science in Mechanical Engineering

The University of Alabama - Tuscaloosa, AL
May 2017

Skills

AUTO CAD (5 years), CAD (5 years), SOLIDWORKS (5 years), DESIGN FOR MANUFACTURING (3 years), Machine Design (3 years), Mechanical Engineering (3 years), Mechanical Design (3 years)

Additional Information

Key Skills:
- Computer Aided Design (CAD)
- 2D and 3D Modeling
- Sheet Metal Design
- Design For Manufacturability (DFM)
- Additive and Subtractive Manufacturing Design
- Solid and Parametric Modeling
- Geometric Dimensioning and Tolerancing (GD&T (ASME Y14.5))
- Bill of Materials (BOMs)
- Engineering Change Orders (ECOs)
- Product Data Management (PDM)