SUSHMA DAHIYA

E-Mail: sushmadahiya1@gmail.com

Mobile: +91 9728921669

Summary:

- 5+ Years of experience in Design and Development in sheet metal and Plastic parts.
- Experience in Design calculations and preparation of technical report.
- Cummins Automatic Transfer Switch, 3X & 4R Cabinet

Education:

- B. Tech in Mechanical Engineering, MDU, Rohtak, June 2012

Responsibilities:

- PPT (Product Preceding Technology), VPI (Value Package Introduction) & VPC (Value Package Change).
- New product Design & Development.
- Design and drawing review.
- Project tracking.
- ATS switch harness
- VA/VE (Value Analysis & Value Engineering).
- Customer complaint resolution- Internal & External.
- CFT co-ordination.

Skills:

- Creo
- Catia V5
- AutoCAD
- PTC Windchill/Matrix PLM
- Root Cause Analysis
- GD & T
- Sheet Metal & Plastic Part design
- Drawing Creation Assembly Level
- Project Schedulling

Professional Experience:

Cummins Power Systems **Aug 2017 till present**

Role: Product Configuration Management Engineer

Business Unit consists of Alternators, Automatic Transfer Switches, Commercial Power Systems, Consumer Systems, Engines, and Paralleling Systems. Cummins Power Systems is a global provider of power generation systems, components and services in standby power, distributed power generation, as well as auxiliary power in mobile applications to meet the needs of a diversified customer base.

Project: Design & Development of 1200 to 3000A Cummins Automatic Transfer Switch (ATS)

Software: Creo-3, Matric PLM, Windchill PDM

- Adhering to UL, CSA, ANSI and IEC standards.
- Creating Engineering change request (ECR) and Engineering change order (ECO) for the new creation of part, drawing / Revising the existing part, drawing in PLM
- Review of drawings, assembly, parts of team members.
- NEC Ground Lug Project

Major Projects Handled:

- Concept design to detailing of 1200A, 1600A & 2000A ATS for Cummins.
- 4X and 3R cabinet Design and detailing for 2000A ATS.
- VPC support for existing products.

C&S Electric Limited **Nov 2015 to Aug 2017**

Role: Design Engineer

It is amongst the leading manufacturers of electrical equipment in India and is India's largest exporter of industrial switchgear. Its wide range of electrical and electronic products find application in power generation, distribution, control, protection and final consumption.

Project: Worked for MCCB Winbreak1 & Accessories.

Software: Pro-E/Creo-3

Responsibilities:

- Preparing Child Parts and sub assembly Drawings from component's assembly drawings on/Creo/ Pro-E/AutoCAD.
- Reverse Engineering of MCCB parts when required.
- Responsible to design MCCB components.
- Part Modeling, Drafting & Assembly.
- BOM creation and parts release process.
- Hand calculations to validate the design

Goshi India Auto Parts Pvt. Ltd. **Aug 2012 to Nov 2015**

Role: Product Development Engineer

Client: Honda Motorcycle & Scooter India Pvt. Ltd, Hero Moto Corp Ltd.

It is an ISO 9000:2008, certified company & it is a Joint Venture of Honda Motorcycle and Scooter India Pvt. Ltd. & deals in Manufacturing of sheet metal and welded components as, Body Frame of two-wheeler, Catalytic convertor & Muffler of Activa Scooter, Brake pedal and link assy. It manufactures catalytic convertor for Hero Moto Corps as well.

Project: Bike Frame, Muffler & Honeycomb Design (Weld Shop – TIG welding)

Responsibilities:

- Maintaining drawings & their control. Customer drawings, child parts drawings, drawings are maintained customer wise and model wise in department.
- Work on ECN revisions and their control.
- Making product specification sheets, inspection sheets and plant layout or modification of the same.
- During Child part/Assembly manufacturing, Supplier and Customer coordination
- New Part Development as Per ISO 9001:2008 Certification
- Participation in 5s & kaizen activities.

Achievements:

- Cost saving Rs.5.00 lacs in year 2013 ~ 2014 on existing components by reducing sheet size.
- Cost saving Rs.2.16 lacs in year 2012 ~ 2013 on CNC bending machine.