

Harshal Narendra Malode
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MECHANICAL DESIGN ENGINEER

Aspiring to work with a growing organization in Design Field that offers a challenging environment where I can carve a niche for myself & effectively deliver towards contributing to the organization's target & aspirations.

SUMMARY

Around 6.8 Years Exp | Product Design | NPD | UG NX | CAD | PLM | GD&T | BOM | SAP | Bench Marking

AREA OF KNOWLEDGE

- Generation of concept Designs based on strength, cost, fit, benchmark & function.
- Experience on sheet metal, casting & Forging part design for structural components as well as plastic part design.
- Good knowledge and exposure of doing DFMEA, DFM and DFA.
- Exposure in Engineering calculation, Industrial & drawing standards, GD&T, Tolerance selection & Stack-up.
- BOM preparation and ECN preparation.
- Releasing drawing in PDM & PLM for production through EN process.
- Tool Process – Casting, Forging, Machining, Moulding, Proprietary, Stamping, Plastic Product Development & Fasteners Development.
- Supplier interaction for specification finalization and follow up to delivery.
- Cross-functional team Coordination, Product Testing, Homologation.
- Wiring Harness routing & cabling of electrical components.
- Expertise in UG NX with integration with Team center.

PROFESSIONAL EXPERIENCE

IMA PG INDIA PVT LTD THRU PRISTINE
15th July 2019 – Till (2 Year 2 Months)

- Machine concepts to be design as per customer's requirements.
- Selection of various motor, gear box, ball screw, LM rail, coupling.
- Machine concepts to be converted in mechanical GA drawings / DAP & sub-assembly.
- Get the detailing of sub-assemblies from next level designers & check the detail design BOM & release for manufacturing.
- Designing & costing of mechanical arrangements for new quotations.
- Solve the problem & provide solutions during manufacturing process of the components & machine.
- Co-ordinate with all relevant departments during machine building.

Project Handled

- Blister packaging Machine.
- Cartoning packaging Machine.

RN Design and Manufacturing.

01th Jan 2017– 30th June 2019 (2 Year 6 Months)

- Successfully created 3D Model and participated in detailing
- Led the design of :
 - Machining Fixtures, Mechanical & Hydraulic fixture, Welding Fixture & Checking Fixture (gauges), Press Tool and Dies for Sheet Metal Operations.
 - Fixtures in line with the customer needs.
 - Performed an in-depth quality assessment of the drawing consistent with customer standards/norms.
 - Efficiently coordinated & communicated with the customers and performed comprehensive reviews in keeping with the requirement.
- Gained insightful technical knowledge on manufacturing components & parts, machined component tool room parts as well as machine knowledge of Milling, Drilling, VMC, CNC and Lathe.
- Engaged in performing development of Mechanical Fixture, Jigs & Checking Fixture (Gauges).
- Steered efforts towards ensuring significant improvement in product based on trial analysis
- Performed :
 - Cost Estimation for jig fixtures and manufacturing part.
 - Cost-effective material procurement for fixtures.
 - Successfully performed Dimension Analysis on CMM.
 - Conducted frequent visits to customer & vendors.

PEARL POLYMER LTD.

15th Jan 2015 to 30th Dec 2016 (2 Years)

- **Designation - Tool Room Engg.**

PROFESSIONAL AND EDUCATIONAL DEVELOPMENT

- Bachelor of Technology in Mechanical Engineering from monad University, (2014).
- Diploma in plastic and polymer Engineering (2010).
- Diploma in CAD –CAM with CNC Technology (2009).
- Matriculation from Amravati Board.(2002)

PERSONAL DETAILS

- Address : Samarth Chauk Tiosa Ta Tiosa Dist Amravati 444903
- PAN No : CFQPM8981R
- Passport No : T9532829
- Marital status : Married