

# **SM LINGARAJA**

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## **OBJECTIVE:**

Demonstrates conceptual and practical expertise in own discipline and basic knowledge of related disciplines.  
Seeking mechanical engineer position at an organization that will leverage my experience with adopted knowledge to innovate and improve company productivity.

## **FUNCTIONAL KNOWLEDGE:**

- Having 5+ years' experience responsible for the development of new and maintenance of existing crushing and screener machines within defined timescales.
- Provide engineered solutions for the development of new products and modifications to existing products.
- Experience in SPM designs as per customers' requirements (especially for fabrication components) from concept level to commissioning.

## **KEY SKILLS:**

- CREO 6.0, SOLID WORKS, AUTOCAD 2D. PLM Team center as PLUS extension.
- NPD, Process planning, Die-Casting, Simulation, Machining, Welding process for automobile components.
- To resolve problems at the root cause quickly and effectively and manage engineering change process relating to crushing chambers.
- Have an experience PFMEA, PPAP, APQP, DFA, DFM, DFMEA Documentations.

## **WORK EXPERIENCE:**

### **MECHANICAL DESIGN ENGINEER**

❖ TEREX INDIA PVT LTD, HOSUR [OEM company for crusher's mfg.] **[JUN 2022 to PRESENT]**

As Mechanical Engineer responsible to Design and Development of mining equipment's, create CAD models/ manufacturing drawings, BOM for sub-systems used in mining equipment's. Work responsible for providing engineering support in Current Product, New product Development and Order based Engineering activities.

- Creating a detailed design of the product, including any necessary drawings or schematics, using computer aided design (CAD) software.
- Produce full manufacturing specification package including Engineering BOMs.
- Understanding of ECN/ECO activities and the workflow involved in completion.
- Reduce manufacturing cost through improved design and consultation with the production department, purchasing and suppliers.

### **MECHANICAL DESIGN ENGINEER**

❖ ORBIT MACHINE TOOLS & TECHNOLOGIES – BANGALORE **[NOV 2017 to APR 2020]**

Responsible for design of welding manipulators, Welding fixtures, Machining fixtures, SPM's and produced Complete design specifications, drawings, cad data required for manufacturing, and productions.

- Create complementary documentation, like user guides, Bill of materials, technical files, Risk analysis.
- Experience with applying GD& T in accordance with ASME Y14.5-2009
- Cross check existing designs done internally or by third parties, stack-up analysis.

## **PROJECT HANDLED.**

❖ **FIXTURES AND MANIPULATOR.**

- Clamshell Turning Rotator Full Welding Fixture - **Caterpillar, USA**
- Boom Tack Welding Fixture (PC210, PC230, PC300, PC400) for - **Komatsu, Sriperumbudur( Chennai )**
- Chassis Full Welding Positioner for - **TATA Steel Processing and Distribution LTD,Tada.**

- 2-Axis Manipulator for Full Welding Cabin (EX-200, PC 210) - **Komatsu, Sriperumbudur (Chennai)**
- Boom Tack and Full Welding Hydraulic Fixture for - **Bobcat, Doosan,(Chennai)**

❖ DESIGN OF SPM:

- Boom Pin Pusher by Hydraulic cylinder. - **Volvo, Bengaluru.**
- Turn Over Stand for Crank Case Assembly - **Caterpillar, Shoolagiri.**
- Spring Can Welding Machine for - **Rotork, Chennai.**

MECHANICAL DESIGN AND DEVELOPMENT ENGINEER [NPD for oversea companies]

❖ **DMW CNC SOLUTIONS INDIA PVT.LTD - HOSUR [OCT 2020 to PRESENT]**

Design, develop and release product sub-systems through owning high complex projects and working closely with engineering teams in India and the Product Group in USA. These projects can originate as part of New Product Development (NPD), Continuous Improvement Program (CIP), Non-Standard Requests (NSR) and Cost Reduction

- Work with NPD teams to ensure the integrity and clarity of engineering drawing requirements and that all expectations are communicated by suppliers.
- Demonstrated strong Problem Solving and Decision-Making ability by applying structured process or tools such as 8Ds, Fishbone, 5 Whys, Pugh matrix, Pareto chart, etc.
- Collaborate with cross functional teams and vendors to develop robust design solutions that ensure functionality, safety, manufacturability, serviceability, cost advantage, etc.
- Experience in driving and managing projects in collaboration with CFT (Manufacturing, Supply chain, Electrical/controls engineering and Product safety) for project deliverables
- Generate sequence of events/work instruction PFD and PPAP, APQP documents.
- Assists with Engineering Change Order (ECO) procedure. Reviews Engineering Change Requests (ECRs) and Communicates engineering changes and implementation plan to other departments.
- Maintains item master, bill of materials, and configurator information in Exact ERP system.

**QUALIFICATIONS.**

- ❖ 2016 - B.E. in Mechanical with 66% from S.T.J.I. Ranebennur, Karnataka.
- ❖ 2012 - PUC with 60% from HIPU Dharwad, Karnataka.
- ❖ 2010 - S.S.L.C with 85% from Sathya.Sai.School, Alike, Karnataka.

**PERSONAL DETAILS:**

Nationality : Indian  
 DOB : 31/10/1993  
 Permanent address : Lingaraja S Muddappanavar  
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DATE 20/05/2022  
 PLACE - BANGALORE

yours faithfully  
 [LINGARAJ .S.M]