

Muniyappan Veerappan

Mechanical Design Engineer, Project Engineer

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Results-driven Mechanical Design Engineer with 14+ years of experience and engineering design creation. Leverages mechanical engineering techniques, drafting designs and industry best practices to consistently accomplish project goals. Determines feasibility, analyzes end-user experiences and assesses long-term objectives and costs when devising solutions. Talented in transforming detailed technical specifications into efficient, effective and quality designs. Collaborates well with teammates to complete technical projects on time and within budget.

Software and Skills

SOLID WORKS, AUTO CAD, AUTODESK INVENTOR, PRO-E, AUTO CAD PLANT 3D.

Enovia, Engineering vault-PDMworks, Documentum, Sap Cadd , Wrench & Microsoft NAV, Smart team, DFMEA/FEA.

MS Office, Diploma in Microsoft Office (Word, Excel, PowerPoint and Outlook)

Assistant Manager-Design, Senior Technical Specialist, Mechanical Design Engineer, Project Engineer, Senior Lead Design Engineer, Draftsman

Work History



Global Experience: Denmark 1 year deputed by FLSMIDTH-New product development (Crushers and feeder)



Assistant Manager-Design -2022-02 - Current

Kadant Fiber Processing, Chennai

- Discussing and bring ideas to introduce innovation in processes and products
- Defining requirements for new design projects together with Global Specialist Team and R&D
- Responsible for equipment standardization and design updating
- Stage wise machine drawings and assembly drawings preparation
- Preparation of assembly drawings, detail drawings & 3D models by using Solid works.
- Introduced new products or services, increased marketing activities and improved customer service to drive sales.
- Recruited and hired top performers to add talent and value to department.
- Calculated energy savings to promote environmental sustainability and energy conservation to meet aggressive project LEED requirements.

Kadant Products: Foundations product, Float Purger™ Stock Cleaning System Periscreen™ Low Pulse screen ultra-v™ vertical pressure screen xx-clone™ through-flow cleaner liquid cyclone™ cleaner xtreme™ reverse cleaner, Piping, tank, piping layout.



Senior Technical Specialist -2019-08 - 2022-03

Orion India Systems Pvt Ltd, Chennai

- Client <https://www.infiniteelectronics.com/> with <http://www.l-com.com/>
- Development Complete Source for Wired, Wireless and Industrial Infrastructure Connectivity Products
- Helped with planning schedules and delegating assignments to meet coverage and service demands.
- Introduced new products or services, increased marketing activities and improved customer service to drive sales.
- Reviewed project specifications and drawings prior to assembling complex components to better understand assignments and expected deadlines.

(Orion) Infinite electronics products: rf interconnects, rf components, wired connectivity, wireless connectivity, industrial optical components, adapters amplifiers antennas attenuators racks, cabinets & enclosures cable assemblies, couplers & connectors etc..



Senior Lead Engineer -2011-12 - 2019-07

FLSmidth India pvt Ltd, Chennai

- Deputed to FLSmidth A/s Copenhagen, Denmark for project related and development work (Crusher feeder & mill)
- Preparation of "As sold basic data" referring contract documents such as BDD, procurement / purchase manual, equipment data sheet etc
- Planning preliminary constrain dates
- Finalizing the equipment structure based on proposed equipment information
- Preparation of equipment's BOM for new design and standard type range
- Preparation of equipment outline & requisition line notes
- Creating engineering requisition according to project requirement and meeting the deadline
- Receiving and verifying the vendor drawings and documents
- Tagging and routing instruction manuals, outline & load drawings, vendor manuals, site assembly drawings for making transmittals
- Preparation of instruction manuals for Crusher, Feeders and cement mill products.
- Preparing the layout drawings as per the equipment specifications
- Responsible for equipment standardization and design updating
- Stage wise machine drawings and assembly drawings preparation
- Preparation of Packaging Specifications with Drawings Prepare safety condition to the equipment's, like safety guards, top cover.
- Provided input to team lead regarding areas for process and procedural improvement.
- Assisted drafters in developing structural design of products using drafting tools or computer-assisted design (CAD) or drafting equipment and software.
- Handling of site, shop issues and troubleshooting, checking the specification of Vendor equipment's and components.

FLsmidth : material handling equipment (crusher, sizers , apron feeders , stacker and reclaimer and belt conveyor) Piping, tank, piping layout.



Junior CADD, Engineer -2010-04 - 2011-11

Metso Minerals & FLSmidth (Winza Solution), Delhi

- Project handled: Stacker,Reclaimer (machine and product design)
- Preparation of assembly drawings & detail drawings
- Creating and checking of drawing for manufacturing as per GD&T
- Preparing Bill of material for Sub-assemblies
- Preparation of Packaging Specifications with Drawings Prepare safety condition to the equipments, like safety guards, top cover.
- Updated designs with latest feedback from customers.
- Incorporated text comments and instructions to finalize drawings and guide installers or production staff.
- Developed CAD drawings to support prototype designs.

Metso products: material handling equipment (crushers, sizers, apron feeders, stacker and reclaimer and belt conveyor)



Assistant Supervisor R &D-2009-07 - 2010-04

L&T Plastics Machinery Ltd, Chennai

- Project handled: INJECTION MOULDING MACHINE & MOULDS
- Handled very large assembly machines such as D-TECH 200TON PET Machine
- Built 3D models with pro_e to outline machinery designs for production teams.
- Developed detailed design drawings and specifications for mechanical equipment, dies and controls using computer-assisted drafting (CAD) equipment.

L&t-demag plastics machinery pvt. Ltd l&t : high quality precision injection moulding machines in a wide range of clamping force range. The machines are ace genxt, aswa and detech series.



Draftsman-2007-04 - 2009-07

lbex Engineering Pvt Ltd, Bangalore

- Preparing drawing for Die casting mold and tool
- Partial working as milling and drilling machine operator for tool and die products
- Modified designs to correct operating deficiencies and reduce production problems.
- Interpreted technical drawings, schematics and computer-generated reports to make revisions to CAD drawings.
- Calculated dimensions and allowances with accurate precision for project specifications.

lbexengineering products : aluminium pressure die casting / aluminium gravity die casting / magnesium die casting and precision machining needs.

Education

Bachelor of Science: Mechanical Engineering- Marks: 87 % 2011-04/2015-12

SRM Institute of Science And Technology - Chennai, India

Diploma : Mechanical Engineering - Marks: 80 % 2004-06/2007-04

DDCSM Polytechnic College - Dharmapuri , India

Accomplishments

- Ensured products met requirements for Design for Manufacturing (DFMEA/FEA).
- Introduced new machine impact crusher and Box feeder to cement industry.
- Sales of new products increased company revenue in the domestic market.
- Supervised team of 7 staff members.
- Collaborated with team of 4 in the development of impact crusher.
- Reduced projects handling time 20% by standardizing products and BOMs.
- Trained more then 100 professional in solid works and autocad.

Projects:

- Denmark projects: Khukh Tsav-Mongolia, Akoga- Equatorial Guinea, Al Khalij- Qatar, Nyumba-Kenya, Xuan Thanh- Vietnam, Tan Thanh- Vietnam, Power cement- Pakistan, Relizane- Algeria, Bayah-Indonesia, Djelfa- Algeria, Santiago- Cuba & Concepcion-Paraguay.
- USA projects: Cimpor Caxitu-Brazil, Margem-Colombia, CCP Paraiba-Brazil, Sete Lagoas-Brazil, Cemex Maceo- Colombia, GCC Dachota-USA, ECO Cementos- Colombia & Fancesa-Bolivia.

Additional Information

Language Known: English, Tamil, Hindi & Kannada.

Gender : Male, / Marital Status : Married