# NAME: VIJAYARAJ.T

# QUALIFICATION: B,E MECHANICAL ENGINEERING

# EXPERIENCE: 7.5 YEARS – MANUFACTURING ENGINEER

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**Contact: +91 9597448086, 98655 87808**

**PROFESSIONAL SUMMARY:**

A skilled manufacturing engineer with the education and professional experience. To boost morale and productivity within a manufacturing team with an analytical mind and detail oriented focus, strives to improve profitability lead machinists and engineers to maximum productivity and enforce six sigma principles within all major process. Continuous process improvement technique such as 5S and kaizen.

**CORE SKILLS**.

* Proficient work experience in Solid works, 3D-Modeling, Assembly & Drafting. Comprehensive knowledge of Y14.5M Geometric dimensions and tolerencing.
* Knowledge and experience in precision components machining fixture design, Sheet metal components tool design & development and manufacturing.
* New product assembly line automations & solutions.NPD assembly line machine design and development implementation of new facilities and adherence of company standards.
* Jigs and fixture design and manufacturing, maintaining the spare tools stock also maintaining the tools & fixture drawings.
* Continual kaizen improvement process an ongoing effort to improve products.
* Poke yoke implementations in assembly process fixtures.
* Product assembly process layout design, PPAP documents, PFD, PFMEA,

Work instructions sheet, work standard sheet process preparation.

* Existing assembly line jigs &fixture implementation and assembly process improvement
* Knowledge and experience in structural fabrication, equipments enclose manufacturing process and Visual and dimensional inspection.
* Adopt in working as a team and interact with the colleagues & customers.
* Collaborate with engineering department in the design and production factors for new products.
* Knowledge in press tool and pressure die casting, injection mold tool design and jigs & fixture design.
* Knowledge in SAP, word, Excel and power point.
* Knowledge in design software Solid works, AutoCAD.
* RFQ for Machines and process cost

**PROFESSIONAL EXPERIENCE PRICOL,** June 2019 to Present  **MANUFATURING ENGINEER-NPD PROJECTS**

* Responsible for NPD project assembly line facility creation and existing assembly line continues process improvements.
* New product assembly process planning, process layout design, robust process and control of equipment and tooling design**.**
* NPD Product assembly line machine, fixtures, tools designing & manufacturing/machine body design and fabrications,assembly follow-up. Assembly line critical spares and jigs and fixtures stock and drawing maintaining.
* Jigs and fixtures calibration drawing preparing and maintaining as per pricol standard format.
* Responsible for safety, Poke yoke, kaizen continuoval improvements in NPD and existing assembly line jigs & fixtures.
* Responsible for conducting manufacturing feasibility assessment on assembly process and provide capital and change over tools requirements on new product by coordinating with cross functional team.
* Responsible for PPAP documents. Process flow diagram,PFMEA preparations of Process control documents in authorized formats for new products product ionization in production assembly lines and hand over to respect teams.
* Responsible for adherence of forecasted capital, tooling and startup spending.
* Responsible assembly line and carryout installations, conduct runoff trials, monitor results and handover.
* Preparation of set up/ Work standard procedures and developing for new machines and process.
* Extend technical support for production and quality on Critical line stoppages and Customer complaint issues related to assembly process.
* Conducting assembly trails with CFT members. New facilities line hand over to Production team along with CFT members.
* Collaborate with design team and production factories for new product.

**FICUS CONSULTING INDIA PVT LTD**-**April 2018 to March 2019**,

**MANUFATURING ENGINEER**

**Project-Cement plant Pulsejet bagfilter dust collector**

* Responsible for Pulse jet bag filter dust collector system structural fabrication and precision part processing.
* Fabrication process requirements &work instruction guidance to work teams. Final dimensional & visual inspection as per drawing standard.
* Manufacturing process drawings preparations and fabrications follow-up, visual and dimensions inspections.
* Responsible for Pulse jet bag filter dust collector system structural fabrication inspection report submitting to client.

**SHYAM CONTROL DEVICES, March 2015 to March 2018,**

**DESIGN & PROCESS ENGINEER**

* Responsible for NPD project process planning, Jigs & fixture designing and 3D modeling, detailing, GD&T, Fixture drawing maintaining. Designing tool- Solid works and AutoCAD.
* Responsible for jigs& fixture Material planning, processing and assembly follow-up.
* NPD product Process trial conducting and tooling’s hand over to production.
* Reverse engineering for compressor spares, single plunger car washer pump, and triple plunger car washer pump, grease pump. Responsible for machining fixtures and pipe bending fixtures design.
* Responsible for form tools, Sheet metal, press tool design, forging tool design and developments and first sample proving.
* Responsible for Pressure die casting and Injection mold tool design and development and first sample trial proving.
* Responsible for Gravity die casting tool design and tool trial samples taken.
* Jigs & fixture design for various types of engineering products for the machines VMC, CNC and conventional machines.
* Responsible for 3D modeling & drafting, GD&T, calibration drawings, fixtures & tools drawings maintain.

**ELMECH AUTOMATION,** **Aug 2013 to March 2015**

**ASSISTANT PRODUCTION ENGINEER**

* NPD project material planning, purchasing, tooling manufacturing follow up, Machine elements in-house machining process planning and vendor processing follow-up.
* Responsible Machine table fabrication follow-up and dimensional inspection.
* Special process machine, jigs and fixture design, 3D modeling, drafting using GD&T
* Designing software Solid works and AutoCAD.

# EDUCATION

BE-Mechanical Engg. 8CGPA, April.2013, Kumaraguru College of technology, cbe. Diploma in Automobile Engg 90%, April 2010,NLPTC, Mettupalyam HSC,Govt high, secondary school, State Board, 61%,March 2008,Sirumugai, SSLC,Govt High school, State Board, 69%,March 2006.S.Pungampalyam. **PERSONAL DETAILS:** Date of Birth : 8/01/1990 Languages known : English,Tamil&Kannada Nationality : Indian Sex : Male Marital Status : Unmarried Passport : Yes, valid 2026 **DECLARATION:**

I hereby declare that the information’s given above are true to the best of my knowledge. Place: Coimbatore Yours sincerely

(VIJAYARAJ.T)