

## **Rajiv Vijay Bhambare**

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**Contact:** +91-9766948228.

### **Challenging position in Product Development and Project Management, CAD Based Designing**

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#### **Professional Overview**

- A result oriented professional with **over 13 years** of experience in Design Engineering and Project Management.
- ***Currently working with V.R. Coatings Pvt. Ltd. Pune as Design Manager (Standard Equipment).***
- Project management & product development experience in development of Pneumatic operated Piston Type double acting pump ,Diaphragm pump, Four ball pump,2k Pump, Spraying gun , regulators , filters, Pressure relief valve, Back pressure valve , Drum press, Dispensing Dozers, Run way valve, Drum press & Lifters, Heated Disc & SPM etc.
- Interaction with management team & customers during development, technical evaluation and testing, assess validation tests on components and sub-systems.
- Understand customer requirement & produce products & systems that meet quality standards of Company & fulfil customer's satisfaction.
- Demonstrates a commitment to quality, completes the assignment in accurate, through and timely manner. Produces work that meets quality standards of company.
- Understanding & analysis of manufacturing process, good communicator & problem solving abilities.
- Will design / Conceptualize / Plan / Review / Motivate / train / guide / mentor the team.

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#### **Modelling software**

- **Solid Edges 2020** : Part Modelling, Assembly, and Drafting & Engineering analysis, XpresRoute
- **Auto CAD** : Quotation Drawing, Concept Drawing.
- **SAP** : Feeding Part Number & Bill of materials.

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#### **Career Conspectus**

**Since December 2007 with V.R.Coatings Pvt. Ltd., as a Design Manager , Pune.**

#### **Job Responsibility**

- Providing design inputs and designing new parts as per Technical specifications and company standard to meet requirement for new products, also study for communization for using existing part.
- Gathering product specifications; designing, modifying & upgrading designs using software, validating design by in house testing.
- Providing design drawing as per customer requirements. Approving with customer management and prototypes as per design, if required making necessary modifications and releasing for production. Assemble system & validate systems by in house testing.
- Monitoring product quality & impact of design modifications on product features.

- Prepare Manual of products & systems that describe features & working of it.
- Checking delivery note as per purchase order & release for manufacturing.
- Recruitment & selection of new joining engineering & given training to new joining regarding company products systems & standards.
- Maintaining record as per SAP and ISO documentation

### **Projects Executed**

In VR platform, I got following opportunity to Design various type of painting And dispensing related products & projects such as follows:-

- **Heated Disc** (24 Kw) for 100 Ltr. & 200 ltr. Barrel to transfer rubber material ( Customer - CEAT Tyre)
- Design Of Air assisted Airless **Spray Gun** .
- Design mini dozer (0.3 to 5gm.)
- **Multidisc Regulator** which operate 40-200bar pressure used in high pressure painting line.( Customer – Mercedes Benze , Maruti Etc)
- As per requirement Calculation of scfm for our pump & system to select the compressor HP.
- Design of Hydraulic operating high pressure (350bar) **CO2 pump** used in oil extracting purpose.
- Design of **Control block** including top, Middle & bottom Block For Pressure Die Casting.
- Reverse Engineering of Diaphragm pump housing.
- Design of Pneumatically driven **Four ball pump** 240cc, 430cc , 720cc & 920cc.
- Design Pneumatically operated **air motor** – Ø80 , Ø100, Ø125, Ø160, Ø200, Ø250, Ø300 & Ø350 for 120mm,70mm,200mm in stroke.
- Design of **Drum press** for viscous material – 5 ltr , 20ltr , 60ltr. & 200ltr.
- Design of Flame proof **enclosure heater** of 3.8kw as per "ATEX " Certification.
- External & Internal (20 & 200 LTR.)**Barrel Painting Systems**. (Customer- Unifab)
- Design & develop of Electrical driven **cam operated piston pump** .
- Design & develop various types of **grease Dozer** for bearing & hub greasing.
- Design of hydraulically Driven **Airless Spray Painting pump** for Road Marking Purpose . (Customer – Unimark , Nagpur)
- Design of new **control block** (50mm stroke).
- Design Radial Piston type **Pneumatic Motor**.
- Design of **2k four ball pump** ratio 2.33:1 , 1:1 & 2:1 ( Customer - Clean blast).
- **Dynamic Stirrer** for dia. meter Ø40, Ø70, Ø110, Ø150 & Ø180mm. for semisolid material.(Customer- Oriental Rubber)
- **Small Pump** Ratio 15:16, 25:16 & 15:30 of 50 mm stroke for small Application Like wooden furniture.
- **Slider in slider control block** of 120mm stroke.
- Design Of **Run way valve** to stop the pump when it run empty. (Customer - Mahindra )

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### **Training**

- Successfully completed 4 Weeks training in HY – Power Clamps Ltd , in Pirangut , Pune
- Training course on " **Hydraulic System Design for Machineries**" at Imtma design institute , Bangalore

### **Academic Credential**

**CAD** Cad Cam Guru Institute Pune, 2007 First Class.

**B.E.** W.I.T. Solapur, Shivaji University 2006. First class.

**H.S.C.** R.P.College, Osmanabad ,Latur University 2000 , First Class.

**S.S.C.** M.V.R.Shinde High School, Tuljapur, Latur University 1998 , Distinction.

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### **Personal Minutiae**

**Date of Birth:** 27<sup>th</sup> November 1982

**Address:** C 404, Aksha Swapnlok, Old Dehu Alandi Road, Moshi , PUNE - 412105

**Marital Status** - Married

**Linguistic Abilities:** English, Hindi and Marathi

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### **Declaration**

I hereby declare that the above-mentioned information is correct to the best of my knowledge and I bear the responsibility of the correctness of the mentioned details.

Place: PUNE

Date:

**RAJIV VIJAY BHAMBARE**