

Ankit Patel

Electrical Engineer

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Profile

Possesses a unique blend of abilities and creativeness, resulting in the development of a highly skilled, clear thinking and practical professional whose ideas, talents and knowledge are portable and versatile in unlimited manufacturing and corporate company environments.

High capacity to learn new skills in objectively seeking new challenges, responsibilities and ways to develop and extend knowledge and experience.

Strong ability to work in team environments and autonomously.

Objective

To become a successful and trusted professional in a field of engineering and to work in an innovative and competitive world.

Professional Experience

Windsor Machines Ltd

Jan 2015 – Present

Company Profile: Windsor is a global plastics processing machinery manufacturer based in India. Windsor is one of the few domestic companies engaged in manufacturing Injection Moulding, Pipe Extrusion and Blown Film machineries under one roof.

Role: As an Electrical design Head.

Designation: Assistant Manager

Duties:

- Develop and implement electrical design best practices, processes, and procedures within the Standard framework.
- Manage a small team of professionals and coordinate workload and output.
- Provide input into strategic direction of the company within the engineering responsibility.
- Prepare design controlled documentation, product documentation, performance specifications, and write technical performance verification reports.
- Handled responsibilities of providing preliminary layouts like general arrangement, load calculation, single line diagram.
- Work closely with sales team and customers on product issues related to electronics and electrical components and represent the company in a positive manner.
- Selection and sizing of Electrical component for Extrusion machines (Pipe and Blown film): Selection of enclosure, Switchgear, CT, Transformer, Variable frequency drive, SSR, Contactor, Temperature controller, Line choke and many more.

- Performed the tasks of responding to customer proposal requests in a timely and accurate manner.
- Comparison of competitor machine specs and features.
- Development of direct torque servo motor for pipe plant machine, which was 10% lower energy consumed compared to induction motor with VFD.
- Handling Design Department by Developing new Panels and Making BOM (Bill of Material), Wiring Diagram for machines and also Testing of Panel.
- Preparation of machine manual and document related electrical designing & servicing.

Ferromatik Milacron India Private Ltd

Oct 2010 – Dec 2014

Company Profile: A global manufacturer of injection molding machines from USA; based in India at Ahmedabad.

Role: As a Design and Development Engineer.

Designation: Engineer

Duties:

- Validation of new developed injection molding machine as per Euromap standard: Injection Efficiency (Euromap 4), Machine energy consumption (Euromap 60), Plasticizing capacity (Euromap 19), and Machine dry cycle time (Euromap 6).
- Machine performance related trial like Accuracy, pressure linearity, time consistency, vibration of motor and machine, noise level and harmonics level of machine.
- R&D work at component level as well as machine level: Development work in electrical and hydraulic side like validation of new make Servo drive, Servo motor, thermocouple, Pressure transducer, barrel heaters, pump, direction control valve.
- Comparison of competitor machine specs and features.
- Solving problems in the shop floor by working closely with production people involved in fabrication, machining, assembly and testing areas.
- Analyzing the engineering attentions raised by Quality dept. and taking an appropriate action to resolve it.
- Helping the service team in trouble shooting for field machines.
- Finding possible replacements for bought out or imported components for cost reductions in order to be competitive in market.
- Documentation for ISO audits.
- Active member of 'Kaizen' & '5S' activity.

Achievements

- Worked on organizations very crucial project i.e. Energy audit project of Whole factory and save 100,000 lakh rupees per month by giving suggestion of area where we can save energy.
- Identified cost reduction areas in machine with implementation of solution which resulted in great cost savings also worked in 'Kaizen' activity to make better designs than existing.

Company Profile: A franchisee of MSEDCL at Bhiwandi from supreme service o contract basis.

Role: As an Engineer in distribution.

Duties:

- Attending breakdown (fault) at 22kV HT (High tension) line which include both overhead and underground.
- Maintenance work for both overhead and underground line for system reliability.

Education

Degree	Year Of Passing	University/Board	Grade
B.E.(Electrical)	June 2008	Saurashtra university	First class with distinction
S.S.C	April 2002	GSEB	First class with distinction
H.S.C	Mar 2004	GHSEB	Pass class

Languages

- English (Read, Write, Speak)
- Hindi (Read, Write, Speak)
- Gujarati (Read, Write, Speak)

Interests and Hobbies

- Reading
- Playing cricket and watching sports
- Listening music

References: Available on Request.