

Prashant Pandya

Ahmedabad, Gujarat 380061
prashant.rpandya@yahoo.com
+91 70966 06678

Experienced Special Purpose Machine Designer with over 10 years of experience. Expertise in designing challenging projects with complex function and movement integration. Goal-driven leader committed to driving growth and profitability through strategic planning and effective leadership. Leads a team of trained design engineers providing cloud design department. Portfolio Available on Website.

Personal Details

Date of Birth: 1991-04-26

Eligible to work in: India

Highest Career Level: 10+ years experience , with Master's Degree in CAD/CAM

Industry: Industrial Engineering, Information Design & Documentation, Management, Mechanical Engineering, Production & Manufacturing, Project Management

Total years of experience: 10

Work Experience

Owner, Working on challenging machine design projects as the Sole Proprietor taking all the responsibility

P & M House of Solutions - Ahmedabad, Gujarat
August 2022 to Present

As a highly experienced Special Purpose Machine Designer with an M.Tech in CAD/CAM, I am eager to leverage my expertise to lead an innovative and dynamic organization. With over 10 years of experience in designing challenging projects with complex function and movement integration, I have honed my skills in problem-solving and strategic planning. My goal is to drive growth and profitability through effective leadership and a commitment to excellence in all aspects of the business. I currently lead a team of trained design engineers providing a cloud design department, and I am eager to take on new challenges and unique projects.

Assistant Design Manager, Worked on many projects independently from scratch to final machine for Design Department

MAMATA MACHINERY PVT. LTD. - Ahmedabad, Gujarat
May 2019 to August 2022

Such enriching experience to create such a great value for myself and for the company. I designed complete PFS packaging machine, several attachments for market leading EFS packaging machine, dual unwinder auto switching system, complete secondary packaging to fill boxes with pouches, futuristic design concepts including fastest walking beam EFS machine, duplex EFS machine, palletizing system and a lot more.

Director Technical , Guiding Design Department to make innovative design and Handling Sales

Techknowsensations Pvt Ltd - Ahmedabad, Gujarat

September 2016 to January 2022

As the Technical Director of Techknowsensations Pvt. Ltd., I led various projects in different industries, including energy production, machinery and manufacturing, forging, automation, and waste management.

One of our significant achievements was the productivity improvement and maintenance project for B.A.R.C. Extrusion Press, a 35 MN Rod extrusion press used in the nuclear fuel division of BARC. By changing the sequence of the process and using a special apparatus to place uranium in a copper jacket, we were able to save 3% uranium. We also optimized the process by organizing raw material, creating a cleaner and less radioactive workspace for workers. Our team of 15+ skilled workers carried out press preventive maintenance activities, which resulted in one of the highest production rates and fastest delivery of semi-process nuclear rods for nuclear power plants.

In the machinery and manufacturing industry, we developed AC drive tube bender, Advance Servo tube bender, and Section bender.

We also worked on the simulation for the transport of an asymmetrical shaped forging over a truck. Our team optimized the design for clamping the part, simulated asymmetrical forces that may occur due to road condition and G forces, and added extra supports for extra strength. We successfully transported a 12-ton part with dimensions of around 1.2m in height, 4 meters in length, and 2.2 meters in width.

In the automation industry, we designed an automation setup with Mitsubishi Articulated arm for automated assembly with limited staff, and for organic shaped parts. We also developed Uranium band saw cutting with B.A.R.C. and collaborated with a company to establish a business from manufacturing to customer handling for the Vortex Tube.

Finally, we worked on waste management projects, including recycled foam sheet maker and bag making by stitching and sewing. We developed a new product containing XLPE foam in a tile form, which became a highly profitable business in insulation

Design Head-Pilot Project of Pilger mill design from scratch to final machine and other tube industry machines

Jayesh Tubes and Machinery - Ahmedabad, Gujarat

2014 to 2014

As an experienced Design head, I have honed my technical expertise and contributed to resolving complex industry problems. My primary responsibility involves overseeing the complete design of the PILGER MILL, a critical machine utilized in the seamless tube industry. Working alongside a highly skilled team, we have successfully developed a technically advanced and highly productive machine that is competitively priced and requires minimal maintenance due to our strict adherence to industry standards.

As a leader, I excel in team management and innovation, placing a strong emphasis on effective project management to deliver cost-effective solutions within tight timelines. My leadership style prioritizes mentorship and problem-solving to ensure that the team consistently produces high-quality products that meet and exceed client expectations.

Our success in designing the PILGER MILL is primarily due to the guidance and mentorship of our esteemed Technical Head and a veteran mentor with over 45 years of experience in developing more than 60 machines for various industries. As a team, we take immense pride in our achievements and remain committed to pursuing innovation and ensuring quality assurance in all our machine design projects.

Production Engineer-started from GET and created 5% productivity increase for the whole company

IRM Offshore and Marine Engineers - Ahmedabad, Gujarat

June 2012 to February 2013

As a Rubber Production Engineer, my role as a Graduate Engineer Trainee at IRM Offshore and Marine Engineers was a dynamic and challenging one. Over the course of my 9-month tenure, I was responsible for a range of duties, including overseeing the production of rubber products, analyzing product quality, and developing new and innovative solutions to optimize production efficiency.

During my time with the company, I was given the opportunity to work closely with a team of experienced engineers who provided me with valuable insights and guidance as I developed my skills in the field. I gained hands-on experience with various rubber manufacturing processes and equipment, including rubber mixing, calendaring, and extrusion.

My contributions to the team included identifying areas for improvement in production processes, conducting testing to ensure product quality, and collaborating with cross-functional teams to design and develop new rubber products.

Overall, my experience at IRM Offshore and Marine Engineers was a valuable one, providing me with the opportunity to gain practical experience and develop my skills as a Rubber Production Engineer. The team environment, guidance, and mentorship provided by my colleagues contributed greatly to my professional growth and development.

Education

Master's degree in Mechanical Design

Indus University - Ahmedabad, Gujarat

June 2012 to May 2014

Bachelor's degree in Mechanical Engineering Technology

Indus University - Ahmedabad, Gujarat

June 2008 to June 2012

Skills / IT Skills

- SolidWorks (8 years)
- Autodesk Inventor (4 years)
- Creo (4 years)
- ANSYS (2 years)
- Management (5 years)

- FEA (10+ years)
- machine design (10+ years)
- Machining (2 years)
- CAM programming (1 year)
- Training & development (8 years)
- Team management (10+ years)
- Purchasing (4 years)
- Build automation (5 years)
- CAD (10+ years)
- CNC (3 years)
- FEA (10+ years)
- GD&T (10+ years)

Languages

- English - Expert
- Gujarati - Native
- Hindi - Expert

Online Profile

<http://www.linkedin.com/in/pandyaprashant-li>