

PROFESSIONAL HIGHLIGHTS:

- Detail-oriented and innovative Production and Project Engineer with 10 years of experience in machine manufacturing.
- Improving manufacturing efficiency, reducing costs, and ensuring product quality through strategic planning and problem-solving.
- Adept at leading cross-functional teams, and driving continuous improvement initiatives.
- Organized professional with keen attention to detail, adept at training teams to meet production targets and effectively communicating ideas.
- Dependable Project Engineer with experience in manufacturing processes, expert in troubleshooting project issues.

CAREER SUMMARY:

GEARSPECT INDIA PVT LTD.

Department: - Project Engineering Department

Designation: - Project Engineer (April 2025–Present)

ROLES AND RESPONSIBILITIES: PROJECT ENGINEER

- Managed end-to-end execution of projects involving Gear Hobbing machine, Gear Grinding machine.
- Successfully delivered a Gear Hobbing machine project within 4 months, ahead of the planned schedule, enabling early financial closure before the fiscal year-end (March) and contributing to company revenue targets.
- Coordinated with cross-functional teams including design, production, quality, and procurement to ensure seamless project execution.
- Created and reviewed engineering designs and drawings using Autodesk Inventor, Creo, and AutoCAD.
- Planned and tracked project timelines, ensuring adherence to delivery schedules and customer requirements.
- Contributed to machine assembly, alignment, and shop-floor activities to ensure quality and precision.
- Conducted machine trials, testing, and validation to ensure compliance with performance and accuracy standards.
- Collaborated with design teams to resolve technical challenges and implement design improvements.
- Managed vendor coordination and ensured timely procurement of critical components.
- Supported machine installation, commissioning, and troubleshooting at customer sites.
- Maintained detailed project documentation and technical records.
- Ensured adherence to safety and quality standards throughout project lifecycle.

SUNTECH LANDRIANI MACHINE TOOLS

Department: - Production/ Project

Designation: - Senior Production Engineer/ Project Engineer (July 2016–March 2025)

ROLES AND RESPONSIBILITIES: PROJECT ENGINEER (2021-2025)

- 5+ years of experience as a **Project Engineer** in machine manufacturing.
- Communicating with the customer to finalize technical specifications.
- Created project plans to set project timelines and adhere to deadlines in **“Asana”** and **“Project Libre”**.
- Following the generated **Critical Path** and identifying the upcoming bottleneck situations.

- Conducting **Knowledge Transfer** of data through documentations mainly **DDSS (Detailed design and Scope of Supply)**, **Product Control Plans**, **Bill of Materials**.
- Creating drafting's of the assemblies and parts in **AUTOCAD, CREO** and release it to the project team.
- **Analysis of the Project Draft** with the designated team.
- Scheduled meetings with designated departments and stakeholders to discuss **Project Cost, Process Flow, Progress and Developments**, establishing growth and direction.
- Carrying out **Layout Engineering** for the projects on board as well as upcoming new projects.
- Approving the **Hydraulic, Pneumatic, Lubrication and Piping Circuits** of the projects.
- Monitoring the procurement process to meet the project timeline.
- Conducting **Timely checks of the Projects Progress** in official meetings with the cross functional teams.
- Optimizing resources and streamlining workflows for effective and efficient progress of the project.
- Finalizing and supplying the **Electrical, Hydraulic and Pneumatic Pre-Requisite document** for the installation teams and the customer.

ROLES AND RESPONSIBILITIES: PRODUCTION ENGINEER (2016-2021)

- Effectively managed multiple machines manufacturing projects simultaneously.
- Proficient in **handling multiple assemblies and sub-assemblies**.
- Reviewing Assemblies and Sub-Assemblies in **CREO View**.
- **Performing PFMEA** for the tasks.
- Identify issues in the production process determine, diagnose and provided speedy recommendations.
- Monitoring manufacturing process to determine products meet precise specifications and quality and safety standards.
- Making **SOP and Work Instructions** for the customers.
- **Cycle time study and Breakup Monitoring** for optimization process also have knowledge of **Takt Time**.
- Analyze facets of production to verify reliability of process (Resource or Operation) and provide recommendations for improvement.
- Produced required materials and equipment to be used for **Production needs, Geometries and Resource Management to improve productivity**.
- Working with **Fabricated/Welded Parts, Sheet Metals, Castings** throughout the manufacturing process.
- Good experience in **Managing Assembling and Troubleshooting Hydraulic and Pneumatic systems**, with BOM ensuring optimal performance and reliability in mechanical operations.
- Working with the design department on continual improvement process for the challenges faced during manufacturing process.
- Train junior engineers and **promoting a culture of continuous improvement** and collaboration.

CERTIFICATIONS:

- **P.G Diploma in Tool Design** from Indo German Tool Room.
- **FMEA Certification** from AIGPE.

SKILLS:

- | | |
|-----------------------|---|
| ➤ Project Management | ➤ Microsoft Office Suite: Excel, Word, PowerPoint |
| ➤ Production Planning | ➤ AUTOCAD and INVENTOR |
| ➤ FMEA | ➤ CREO and CREO View |
| ➤ Drafting | |
| ➤ Process Improvement | |
| ➤ Resource Management | |
| ➤ Quality Control | |

ACADEMIC CREDENTIALS:

SR NO.	DEGREE	UNIVERSITY/BOARD	YEAR OF PASSING
1	Post Graduate Diploma in Tool Design	Indo German Tool Room	2016
2	B.E-Mechanical Engineering	Nagpur University	2014

STRENGTHS:

- Self-Motivated and Hardworking approach.
- Team Player & Keen Learner.
- Excellent verbal, written communication and presentation skills.

PERSONAL DETAILS:

- Date of Birth : 04th Nov 1992
- Languages Know : English, Marathi & Hindi
- Current Address : Pimple Saudagar, Pune.

DECLARATION:

I hereby declare that the above information is true and correct to the best of my knowledge.

Place:

Date:

Sohil Dilip Pillay