

KARTHIK CHAKLAM

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PROFILE

Professional and results-oriented **Automotive Engineer** with experience in **quality engineering, lean manufacturing, product development** and **product/process design**. Delivered quality controls and enhancements to proactively address problems and improved product quality, manufacturing flow, customer satisfaction and bottom-line results.

- Extensive training in designing tools like **AutoCAD 2015, Solid Works 2016** and **CATIA**
- Proficient in implementing **Lean Manufacturing tools, 5S, Kaizen GD&T analysis, Gauge R&R**, using **SAP inventory control software**
- Successful in executing the projects with the ability to liaise cross functional teams
- Experience in internal and customer related issues including sorting activities and supporting the customer location
- Experience with **Hydraulic press machine, Drilling and Boring machine, Lathe machine, Vernier callipers, Gauging tools.**

PROFESSIONAL EXPERIENCE

Manufacturing Associate

(Jan 2018 – Apr 2018)

Windsor Metal Technologies, Windsor, Canada

Duties and Experience.

- Reduced wastage & returns by conducting dock audits, final inspection, quarantine, first offs, rework, fail-safes and calibration reports ensuring product has met customer specifications
- Incorporated Six Sigma methodologies to solve a range of design and manufacturing problems
- Cut number of complaints in half by accelerating customer support response times
- Participated in APQP meetings, suggested new procedural quality revisions and suggested new strategies to mitigate production costs

Quality Engineer

(JUNE 2017 – OCT 2017)

TATA MOROTS – Jamshedpur, India

Retained following 4-month tenure and promoted to quality engineer to improve the efficiency of production operations, quality improvements, ensure ISO compliance, manage the engineering change process and act as customer liaison for product quality issues.

Quality Initiatives and Results:

- Ensured standard product quality throughout the production by effectively utilizing APQP and PPAP core tools: Process Capability Analysis, Gauge R&R, PFMEA, GD&T, DOE, Process Control Plan, Measurement System Analysis
- Developed, implemented and practiced continuous improvement techniques efficiently throughout the plant and successfully increased plant efficiency by 3%
- Responsible for conducting internal quality audits and successfully reduced cost of quality to 3.5%
- Lowered product returns by 12%, saving \$150K per year

Quality Inspector

(SEP 2016 – Jan 2017)

ACG PAM-PAC Private Limited-Pune, India

- Performed First offs/Last Piece inspection to verify dimensions of finished parts for conformance to specifications, using measuring instruments such as calipers, gauge blocks and micrometers
- Identified potential non-conformance parts throughout the production and implemented preventive/corrective actions to troubleshoot and solve the issues to meet customer standards and specifications
- Performed various visual inspection and testing on the production parts, documented the results and updated to supervisors regarding ongoing quality issues and improvements
- Effectively handled robotic equipment and precision measuring tools to ensure continuous production throughout the shift
- Assisted lead engineer for planning and conducting audits for local suppliers and maintaining the results of audits in the relevant ISO audit form

Product Development Engineer/Quality Assurance Coordinator

(APR 2016 – SEPT 2016)

ACG PAM PHARMA PVT LTD- Mumbai, India

- Developed new prototype testing techniques and performed design, product and assembly validations for prototype parts ensuring quality standards were met in accordance with customer specifications
- Led failure investigations conducted necessary analysis and performed corrective action for customer-related failures
- Successfully led efforts in effective implementation of 5S, retaining ISO 9001 certification and achieved 2% material cost savings
- Collaborated with Project Engineers and Quality Managers to plan suitable verifications, validations, qualifications, testing methods
- Successfully performed quality testing of prototype parts using various testing equipment and led to successful product launch
- Supported Quality manager in PPAP documentation and submission to the customer

ACADEMICS

- **Master of Engineering in Automotive Engineering**
University of Windsor, Windsor, ON, Canada (APR 2019)
- **Bachelor of Engineering in Mechanical Engineering**
GITAM University, Visakhapatnam, Andhra Pradesh, India. (APR 2017)

