



Gowtham A

I am Mechanical Engineer with 3 years experience in Automotive Brake system manufacturing including New Product Production Planning , Scheduling , Machining, Assembly, Quality control and dispatching while managing the tool inventory and its periodic maintenance

Skills

3D Modeling using Siemens UG NX

New Product Manufacturing Management

Inventory Management - SAP 7400

Lean Manufacturing - 3M methods

Siemens Teamcenter - PLCM

Education History

B.TECH MECHANICAL ENGINEERING

- SASTRA UNIVERSITY - 2014-2018
- CGPA: 8.634
- Member : Robotics Club Sastra -2015, 2016
- Dean Scholarship Twice- Top 2% and Top 10%

GRADUTED GRADE 12 - 2014

- Kamala Subramaniam Higher Secondary School
- Percentage: 95.75 %
- Award : Best Outgoing Student

GRADUTED GRADE 10 - 2012

- Kamala Subramaniam Higher Secondary School
- Percentage: 95.80%

Work Experience

BRAKES INDIA PRIVATE LIMITED

1) MANUFACTURING TECHNICAL ENGINEER (JULY 2018- MAR 2020)

Production Planning:

- New Products manufacturing - Production Planning and dispatching of new products inline with demand or timeline from customer and internal testing team

Line Productivity improvement:

- Eliminated Waste and Improved OEE (Overall Equipment Efficiency) in assembly line by 3M methods and Kaizen
- Cycle time improvement by eliminating bottlenecks

Tools Inventory Management :

- Assembly Inventory worth 60+ Lakhs managed using SAP software
- New Product child parts management - using SAP NetWeaver 7400 and Kanban Cards in Warehouse

Tool Maintenance :

- Planned Maintenance of fixtures and other equipments - Using Coordinate Measuring Machine (CMM) and other metrology tools
- Deferred the Mean Time Between Failure (MTBF) through scheduled calibration and change of spare parts

Quality Management:

- Improved FIRST TIME RIGHT (FTR) for New Product assembly by application of Statistical Process Control (SPC) of key parameters
- Elimination of recurring Non-Conformance issues in assembly process using PARETO PRINCIPLE
- Customer complaint solved by 8D method along with Quality Team

Contact



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Work Experience

Cost Savings :

- Reduced the cost per component (CPC) of assembly by implementing Lean Management as well as optimal inventory management of spares - To Control Variable cost
- Design Inputs to New assembly cell establishment and new machine procurement - reduced fixed cost involved

Safety Enhancement:

- Identified the Near-miss accident zone, potential threats and taken suitable countermeasure to improve safety inside assembly cells

2) APPLICATION ENGINEER

(MAR 2020- MAY 2021)

- Designing products - 3D modeling , Stack-up & Packaging study using UG-NX 11.0 as per customer requirement - Disc brake, Drum Brake , Actuation , Hose , Proportioning Valves.
- Conducting Design Review with Manufacturing and taking suitable decisions.
- Coordinating activities with Cross-Functional team to meet timelines.
- Conducting Risk management , Updating Design FMEA, Maintaining Project Files
- Technical support to validation of new product prototypes in testing rigs with Cross Functional Team.
- Design FMEA updation and maintenance
- VA/VE activities implementation
- Created Standard format for Brake Booster design.

Certification

Skill Lync

- Matlab for Mechanical Engineers
- Solidworks - Finite Element Analysis
- Solidworks - Flow Simulation
- Solidworks - Multi-Body Dynamics