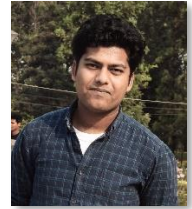


Abinash Singh Deo

Industrialization Engineer



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Goal oriented, Well-organized, independent, self-driven professional with **6+ years of experience in Engineering, New Part, Project Development & Detail Part Production**, Complete Exposure to Aerospace Organization & Knowledge about Complete Data Flow in Machine Shop. Aerospace Standard & Specification knowledge of **AIRBUS & BOEING & LOCKHEED MARTIN**.



PROFILE SUMMARY

- Result-oriented professional with over 6 years of experience in the Aerospace Industry; currently working as an Industrialization engineer in **AIRBUS, BOEING & LOCKHEED MARTIN** projects
- Expertise of planning the project schedule from initial development stage till maturation of product and approval of Manufacturing process to meet customer requirements.
- Impressive experience in handling FAI process and production.
- Responsible for identifying all critical parameters to avoid issues related to BOM, Tool Design, Process qualifications of Materials and Manufacturing Fabrication Process.
- Well versed with machining methods, geometric conditions.
- Act as a key CFT member to find the proper root cause of deviations in the product as well as the process in Material Review Board (MRB)
- Knowledge on AS9100, GD&T, 7QC tools, 8D problem solving, Poke yoke (Error Proof Method), Reverse Engineering, Time Study
- Significant experience in handling US, Europe based customers and local supplier as well.
- Certified Emergency Response Team Member (Safety) is TATA Sikorsky Aerospace Ltd



SKILL SET

- Process Planning
- Project Management & Execution
- Technical Specifications
- Production Planning & Control
- Process Enhancement
- Manpower Management
- Machining Expertise
- Health & Safety



SOFT SKILLS

Quick Learner	
Attention to Detail	
Work Ethics	
Emotional Intelligence	
Leader	
Motivator	



WORK EXPERIENCE

Current Employer - TATA SIKORSKY Aerospace Limited (TATA Aerospace & Defense) Hyderabad, India **Since September 2017 (5 Years, 3 Months) to till date.**

The company is a leading Aero-structure and precision component & Detail parts Manufacturer & Supplier for all the aerospace OEM customers. A wholly owned subsidiary of Tata Sons.

Team Lead,
Production
Sep 2017 to July 2019



Industrialization
Engineer
Aug 2019 to till date

Job Responsibilities as an Industrialization Engineer

- Develop the process for smooth transition as we scale up to industrialization and production.
- Implementing optimized manufacturing processes for a product developed.
- Translate a design or prototype into a product that can be manufactured to meet the required volumes at a target production cost and at highest quality standards.
- Ensure seamless manufacturing and the possibility for quick ramp-ups.
- Ensure the manufacturing instructions or inputs are clear enough.
- Realistic Ergonomics conditions to be considered while developing process.
- Drive and ensure required parameters are met such as quality, costs and deadlines.
- Training and awareness on project specific requirements and procedures to the shop team to ease the FAI prove out and production without difficulties.
- Part Stability monitoring and tracking to improve RFT, OTD & Productivity.

Job Responsibilities as a Production Team Lead

- Responsible for production output, Planning & scheduling for production, process prove out & corrections for aero structure frames & Detail part manufacturing.
- 100% Export oriented in manufacturing sector of Aerospace precision components of **SIKORSKY- S92, COBAM, BOEING 777, AH-64, CH-47, LOKHEED MARTIN- C130J.**
- Proper plan and execution of new project/part prove out on machine.
- Involved in CUTTING TOOL SELECTION, PROCESS ENHANCEMENT, TOOLING TRB & FAI PART PROVE OUT for in-house.
- Closely following up with Vendors for technical issues. Cycle time study & reduction.
- Troubleshooting for day production issues.
- Involved in PRODUCTION READINESS REVIEW, LEAN MANAGEMENT, KANBAN & KPI.
- Prepare Operation Sheets and standard operating procedure (SOP), One point lessons (OPL) for machining processes and machines.
- Responsible for Implementation of 5S, KAIZEN, PTAB, SQCT, TP/QM, SELF SUFFICIENT CELL.
- Active participation over RRCA & FAI with Quality & ME.

HIGHLIGHTS:

- Proposed process improvements to increase quality and efficiency.
- Established the manufacturing process and Completed FAI proved out for 205 approx. parts of **LM C130.**
- Established the manufacturing process and Completed FAI proved out for 230 approx. parts of **Boeing AH64.**
- Completed Cycle time and scrap reduction for sheet parts in 3 & 5 Axis CNC machines.
- Contributed in 3P (Production Preparation Process) of **Airbus C295** Program.

Former Employer - Central Tool Room & Training Centre, Bhubaneswar (Oct 2016 to Sep 2017)

An AS9100, ISO9001, 14001, 50001 & OHSAS 18001 Certified Tool Room & A Govt. Of India Society Ministry of MSME, Located at Bhubaneswar, Odisha

DESIGNATION- Diploma Engineer Trainee
DEPERTAMENT – Production (CNC Turning)



EXPERIENCED IN AEROSPACE PROJECTS

- **Airbus C295** (Multi Role Aircraft)
- **Boeing AH64 Apache** (Attack helicopter)
- **Boeing CH47 Chinook** (Multi Role Helicopter)
- **COBHAM** (Mid Air Refueling POD)
- **Sikorsky S92** (Multi role Helicopter)
- **Boeing 777** (Main Landing Gear)
- **Boeing 737** (Vertical Fin)
- **Raytheon** (Missile Launcher)



TECHNICAL SKILLS

• CATIA V5 • UG NX • PROE • AutoCAD • Excel • PowerPoint • Word • SAP-MM Module



EDUCATION

- **Post Diploma in Tool Designing & Manufacturing** from CENTRAL TOOL ROOM & TRAINING CENTRE, Bhubaneswar YEAR-2016
- **Diploma in Mechanical Engineering** from KRUPAJAL ENGINEERING COLLEGE, Bhubaneswar YEAR-2015
- **ITI FITTER** from SUSHREE INSTITUTE OF TECHNICAL EDUCATION, Balangir, Odisha YEAR-2012
- **Higher Secondary Education (10th)** from PALLISHREE HIGH SCHOOL, Sindhekela, Odisha YEAR-2009

Job Responsibilities as a Diploma Engineer Trainee

- Working with a dedicated production team in CNC Turning department for Project of LPSC, ISRO
- Dedicatedly involve in setting up the TOOL ROOM & continuous interaction with the suppliers regarding machine purchase, installation & breakdown also looking after the ISO Audits.
- Responsible CAD/CAM Programming & Drafting using software's like AUTO CAD, PRO-E/CREO, CATIA, UG & SOLID WORK.
- Responsible for new project works & skill developments work



PERSONAL INFORMATION

Date of Birth- 21 May 1994

Marital Status- Unmarried

Passport- Available

Languages Known- English, Hindi, Odia

Address- Badangpet, Hyderabad, Telangana, INDIA

PIN Code- 500058