

# Muhammad Nadeem Asghar

ME (Industrial Manufacturing NED), BE (Mechanical NED)

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**Objective:** Willing to perform in a challenging environment that provides opportunity to apply my experience to get the maximum manufacturing, designing, quality, safety and productivity, through effective planning and by through lean manufacturing principles.

**Profile:** Detail oriented professional over 24 years of experience in leading engineering departments through successful projects, in the areas of Designing and manufacturing of (Plastic Injection Moulds, Sheet metal dies, Jigs and Fixtures) through CAD/CAM, Quality Assurance, Research & Development, Production Engineering, and project planning. Possess a record of delivering quality products and cost reduction on time and under budget.

## **Professional Experience: Thal Engineering (2012-Till date)**

### **Heading Quality Assurance (HOD) in Thal Engineering.**

- Heading QA department and manage all the activities like customer complains, In-house quality of parts, In-coming section, quality of newly developed parts and assemblies (OTS), Calibration of measuring instruments and its planning and vendor issues (RCCA) to assure the required quality of products.
- Ensuring inspection of Plastic Injection Molds, Dies, Jigs and Fixtures of the newly developed parts.
- Training of suppliers and vendors to improve their system to attain quality objectives by achieving safe and healthy environment, 5S, reduce bottle necks and training of the team members.
- To ensure and enhance employee's performance, skills and responsibilities through proper trainings.
- Ensuring continuous improvement of employees at work through Kaizens and Quality Circles and identify the opportunity of Poka Yoke for complaint parts to enhance the efficiency of production line.
- To ensure an environment of team work with analytical approach and implement the use of visual controls on plant and in QA department for improvement.
- To perform trainings at In-house and vendor end to achieve customer desired PPM.
- Manage internal and external audits (TS16949, ISO 9001, ISO 45000, and ISO 18000) to ensure compliance to requirement.
- Ensure the inspection of parts, moulds and jigs through Faro Arm and CMM according to requirement.

### **Production Engineering, Research & Development Projects**

- Detailed planning of projects, coordination with all the stakeholders to initiate and execute the project.
- Designing and manufacturing of Jigs and Fixtures through CAD/CAM for efficient production.
- Determine the activities, milestone, material and resource planning for project on project plan.
- Continuous monitoring and tracking of the project for successful completion.
- Development of process flow and plant layouts, arrangement of machines, materials and work force.
- Development of production line having the ability to work with maximum efficiency by applying lean manufacturing concepts.
- Enhance productivity and efficiency by Kaizens, health and safety environment and value-based culture.
- Development of FMEA of the parts to minimize rejections and enhance efficiency.
- Development of Control Plans, work Instructions, Process flow for smooth and efficient production.

## **Professional Experience: Precision Engineering Complex (PIA) (2007-2012)**

### **Production and Manufacturing of Aerospace and Defence related parts and assemblies.**

- Manufacturing and production of projects given by General Electric, Airbus and Boeing
- Designing and manufacturing of parts and assemblies of Defence Sector using CAD and CAM with the help of drawings and reverse engineering
- To ensure production to be on time and according to quality requirement to meet time line and quality standards of customer
- Minimize the waste and rework by enhancing the capabilities of team members through proper trainings.
- Monitoring the production processes and adjusting the schedule as needed.
- Ensuring the cost effective and efficient production by applying lean manufacturing tools.
- Reviewing the worker performance and identify the training needs to enhance the quality of work.

## **Professional Experience: Omar Jibran Engineering Industry (2000-2007)**

### **Designing and Tooling of Plastic Injection Molds, Blow Molds, Jigs and Fixtures**

- Designing of Plastic Injection Molds, Sheet Metal Dies, Aluminium Casting Dies, jigs and fixtures using designing softwares.
- Generation of CNC codes through CAM and manufacturing of parts on CNC machines (like CNC Milling & Lathe, EDM and Wire Cutting Machines)
- Electrodes designing, manufacturing and running of electrodes properly on cores and cavities on EDM machine.
- Development of 2D drawings, assembly drawing and bill of materials.
- 3D part modelling with of help of 2D drawings, IGES data or by Reverse Engineering
- Rapid prototyping of parts by using 3D printer.
- Digitizing and scanning of parts through FARO Arm and CMM
- Planning and management of whole project of injection moulding from part modelling to part try-out (OTS) in effective and efficient manner.

### **Education:**

- Master of Engineering (ME) in Industrial Manufacturing from NED University of Engineering and Technology Karachi in 2009 with 3.3 GPA.
- Bachelor of Engineering (BE) in Mechanical from NED University of Engineering and Technology Karachi in 1995- 1999) with First Division
- HSC Pre Engineering from Adamjee Government Science College Karachi (1993-1995) with A Grade
- SSC (Science) from Federal Secondary School Karachi (1991-93) with A One Grade.

### **Professional Skills (Interpersonal Skills):**

- Proficient in organizing and analysing data, drawing conclusions and presenting meaningful results.
- Good Engineering concepts, in-depth and system design approach, value addition to work
- Ability to work under pressure, analysing of root cause and take counter measures according to it.
- Positive attitude and eager to take new challenges and experiences & good communication skills

**Computer Skills:**

Software	Proficiency
Pro Engineer	Excellent (Level 5)
SAP	Good (Level 3)
Primavera	Good (Level 3)
Microsoft Project	High (Level 4)
Auto CAD	Good (Level 4)
MS Word, Excel, Power Point and other Microsoft applications and software	High (Level 4)

**Personal Information:**

Name	Muhammad Nadeem Asghar
Father's Name	Muhammad Zaheer Ul Hassan
Date of Birth	2 <sup>nd</sup> March 1975
Religion	Islam

**Professional Trainings:**

- Health Safety and Environment
- Team Building
- Creativity and innovation
- Training of TS Audit 16949 in Thal Engineering
- Course on Six Sigma by PIQC (Pakistan Institute of Quality Control)
- Initial Managerial Skills
- Problem Solving and decision making
- Time Management
- Failure Analysis and Poka Yoke and many others

**Professional Membership:**

- Lifetime member of Pakistan Engineering Council. Registration No. MECH/15715