

Muhammad Asif Iqbal

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Object

To leverage my extensive experience and expertise in CAD/CAM Machining & Product Development to contribute as a valuable asset to a reputable organization. Seeking a challenging role that allows me to utilize my skills, drive innovation, and make a significant impact on the company's growth and success. Committed to delivering exceptional results, fostering collaboration, and continuously improving processes to exceed organizational goals.

Summary

A professional and dedicated Product Development Engineer with over 15 years of design & Manufacturing Industry experience, including specific expertise.

- Creo Parametric, Including Solid Surface Modeling, Tool Path Generation **3 to 5** Axis.
- CNC operations Heidenhain, Fanuc Centroid **3 to 5** Axis.
- Mastercam for CNC turning tool path generation.
- **Vericut machines simulator**, Build virtual type Machining centers for Offline G-Codes and manufacturing Steps Verification.
- Mech Drafting. Engineering Drawings
- Converting 2D Drawing files into parametric, feature-based 3D models.
- Mechanism and Animation.
- Injection **Mold Design & Flow** Analysis.
- Sheet Metal Tool Design & Manufacturing
- Sheet metal components draw or forming Simulation.
- Sheet metal components Manufacturing procedure and its tooling.
- Auto form for sheet metal simulation
- AutoCAD.
- GD&T.
- **CMM** operation for Inspection & Reverse Engineering.

Education:

- 2010-2012: BSC Physics - Urdu University of Science & Tech
- 2001-2003: DAE in Mechanical Technology - Government College of Technology Karachi
- 1997-1999: High School Certificate - Government National College Karachi
- 1995-1996: Secondary School Certificate - H.E.F Boys Sec School Karachi

Professional Experience

Manager Product Development

DAWN Precision Engineering (2018 to present)

Responsibilities:

- Manage all activities related to the Design Manufacturing of automotive sheet metal tools& dies, and aerospace machined components.
- Project scheduling & Tracking.

Deputy Manager E&D

Alsons Industries from 2018 to 2018(08 months)

Responsibilities:

- Rapid Prototyping.
- Part Programming 3 to 5 axis.
- Manufacturing process optimization
- Reverse Engineering

Product Development Engineer

Research & Development Engineering Company from 2005 to Dec 2017

Responsibilities:

- 1st Article Qualification.
- Rapid Prototyping.
- 3D Modeling.
- Cad Certification for 3D Models.
- Part Programming 3 to 5 axis.
- Working Drawings, Inspections Drawings, Process sheets.
- Reverse Engineering.
- Operations Instructions for Product Manufacturing.
- Managements and Verifications of Assembly Components in CAD.
- Mold Design and Manufacturing through CAD/CAM software.
- Mechanism Analysis for effective operations of Molds, including Opening and Ejection systems through ProMechanism.
- Point Cloud Data conversion.
- Manufacturing Layouts, BOQ, s
- Manage all manufacturing-related functions on a given project basis.

Cad Modeler

H.I.S Industries (Manufacturers of Cigarette Machines) from 2004 to 2005

Responsibilities:

- 3D Modeling.
- Cad Certification for 3D Models • Working Drawings, Inspections Drawings
- Reverse Engineering.

United Brothers (Business Owner)

Submersible Electric Motor and Pump Manufacturing from 1998 to 2002

Responsibilities:

- Workshop management.
- Reverse Engineering.
- Electric motor rewinding.
- Pump repairing.
- Client Coordination

Achievements

Followings projects have been completed during work in Research & development engineering as a Product Development Engineer (Reverse Engineering)

- Re-development of various Aircraft components for international Aerospace Company.
- Reverse Engineering and manufacturing of different Mechanical components for Defense industries.
- Engineering plastic Injection molds for defense industries.
- Clamping devices and Custom-based tools. To enhance the production of CNC.
- Reverse Engineering of High-Pressure Regulator valve assemblies for CNG Applications.
- Two Cavity Security Seal Plastic Mold.
- Engineering plastic Injection mold for defense industries.
- Impellers for the cooling system of T37 Air Craft.
- Reverse Engineering of different Imported Textile Machine components for Local customers.
- Sheet Metal Spin forming tooling.

Personal Information

- Date of Birth 10th January 1979
- Place of Birth Karachi, Pakistan
- Citizenship Pakistani