

Objective

Over 20 years of experience in manufacturing and mechanical design. Background in machining, metal forming and welding practices. Skilled in 3D CAD modeling with Pro Engineer Wildfire 4, NX, Ideas software and Cad file management using Teamcenter and Intralink.

Skills

Microsoft Office, Pro/Engineer, Solidworks, Unigraphics/NX.

Work Experience

Tool Designer III

ABC Corporation - 1999 – 2012

- Responsible to the Manufacturing Engineering Manager for the design and detailing of manufacturing tooling using Pro Engineer.
- Designed a conveyor mounted engine stand for the 6.2 liter engine that rotates in the horizontal and vertical axis using Cadkey software.
- Designed electrodes, wire blocks for our EDM department.
- Redesigned existing machine parts for automated machines, conveyors, pick & place station and other parts as are needed.
- Designed jigs, fixtures to suit plastic product.
- Redrew hand drawn drawings to cad and save into our cad system.
- Trained new personnel in tool design and solid modeling.

Tool Designer

Delta Corporation - 1991 – 1994

- Standard Tool Group and Test Equipment Group. Design Jigs and Hand Tool, design Test Equipment.
- Work offload for Wing Group and Interior Group.
- Design of punch dies for aluminum and vinyl used in the fabrication of residential windows and doors.
- Duties also included the operation of milling and grinding machines used in building the dies to aid in applying practical tool design skills.
- Provide tooling, jigs and fixtures to be used on both automated robot assembly lines as well as manual test and assembly stations.
- All work done using AutoCAD.
- Design and documentation of tools and fixtures used in a manufacturing environment.

Education

AAS in Machine Design Technology - (Pikes Peak Community College - Colorado Springs, CO)