

ROBERT SMITH

Jr. Tool Designer

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SUMMARY

An exceptionally talented Project Manager and Tool Designer with more than Twenty years of experience in performing the engineering and designing of automotive dies, mechanisms, and structures. Daily job tasks have included the design, development, testing, validation, and support of manufacturing for improvements of current sheet metal stamping and advanced development of new sheet metal stamping.

SKILLS

Fully trained in Unigraphics NX7.5, CAD.

WORK EXPERIENCE

Jr. Tool Designer

ABC Corporation - 2001 – 2008

- Designed sheet metal stamping dies designed in CAD (CATIA v5) including tolerance studies, packaging studies, fits, tool clearance and manufacturability.
- Designed a wide range of tools for progressive dies, transfers dies, line dies, deep draw dies and checking fixtures.
- Designed and implemented cost effective tool modifications.
- Created 3D surface data for Die Design and NC Machining.
- Created 2D and 3D flow charts Created drawings and applied GD&T and Shop Floor drawing.
- Generated bill of materials, maintained open issues lists and typical engineering documents.
- Performed engineering calculations for mass, strength and performance of Die and Die Components.

Tool Designer

Delta Corporation - 1998 – 2001

- Design tooling to produce parts per customer part drawings.
- Progressive dies, stamping dies, punch dies, weld jigs, & form dies are my main strength.
- Tool Designer Created documentation for Check Processing Equipment.
- Created Proposal Layouts.
- Designed and detailed simple to complex Fixtures to facilitate the Engine Assembly Plant.
- Provided Tool Design Support to the Engine Assembly Plant.
- Handle the tasks of designing and re-design of tools for machining Responsible for designing tools as per the design and production standards of .

SCHOLASTICS

- Journeyman - (Salem Vocational School)