



# Example of Tool Design Engineer Job Description

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Our innovative and growing company is looking for a tool design engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for tool design engineer

- Create 3D designs of compound bend dies, check fixtures and other tools required
- Create 2D drawings of design for manufacturing purposes
- Identification of tooling needs and cost estimates for quotes
- Provide any additional support as deemed necessary by the Director of Engineering
- Design and detail a broad range of tooling, including progressive dies, injection molds, and gauges
- Plan, conduct research, and implement engineering assignments involving medium impact and medium complexity tooling or blanking process projects
- Work on miscellaneous tooling or blanking process problems dealing with production down time, loss of or low efficiency, or quality deviations
- Identify and review technological sources of information and make recommendations on potential research projects with regard to tooling and/or blanking processes for the division/product line
- Create and maintain BOMs, prints and other technical documentation necessary to manufacture and operate tooling
- Participate in design reviews, and project coordination and critique

## Qualifications for tool design engineer

- 3+ years of plastic product and assembly design
- Detailed knowledge of all types of injection mold tooling
- Thorough knowledge of secondary assembly and decorating processes

- Thorough understanding of injection mold processing parameters and applications (cause and affect)