



## Engineering Designer

### Responsibilities:

- Design and develop extrusion tooling using CAD and simulation tools
- Optimize extrusion processes to improve product quality and productivity
- Conduct routine inspections and maintenance of tooling systems
- Troubleshoot tooling issues such as flow imbalances, die lines, and dimensional inconsistencies
- Collaborate with customers and internal teams on new product development
- Support quality control through root cause analysis and corrective actions
- Maintain documentation for tooling design, specifications, and process changes
- Coordinate with production, engineering, quality, and supply chain teams
- Participate in design reviews and process improvement initiatives
- Ensure compliance with safety protocols and industry standards
- Provide on-the-job training for quality and production improvement
- Lead small projects to improve production in cost-effective ways
- Guide operators to achieve shift productivity and recovery targets
- Identify and report extrusion issues for preventive action
- Improve extrusion die speed and performance
- Track KPIs such as die design timelines, first-time-right success rate, and die off-loading at press

### Qualification:

- Degree in Mechanical Engineering
- Minimum 10 years in extrusion tooling design and FEA (Altair HyperXtrude preferred)

### Skills:

- Proficiency in CAD software (SolidWorks, AutoCAD, etc.)
- Expertise in FEA tools (ABAQUS, Form, Altair HyperXtrude)
- Strong understanding of extrusion processes and die steels (6000 series aluminum)
- Knowledge of mechanical design, fluid dynamics, heat transfer, and material selection
- Familiarity with statistical process control and quality methodologies
- Experience with ISO 9001, IATF, and safety regulations
- Strong analytical and problem-solving abilities
- Excellent communication and collaboration skills
- Project management and multitasking capabilities
- Detail-oriented with a focus on precision and tooling specifications
- Continuous learning mindset to stay updated on industry trends