**Design Engineer**

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<tr>
<th>DEPARTMENT:</th>
<th>Product Management</th>
<th>LOCATION:</th>
<th>Owatonna or Sioux Falls</th>
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<tr>
<td>REPORTS TO:</td>
<td>Director of Design Engineering</td>
<td>FLSA STATUS:</td>
<td>Exempt</td>
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**POSITION PURPOSE:**
- Drives AmesburyTruth’s success in the Window and Door product categories through delivery of Engineered solutions to internal and external customers
- Provides functional support for planning, control, and implementation of engineering projects
- Acts as technical interface with customers, manufacturing, quality, purchasing, sales, and suppliers

**ESSENTIAL DUTIES & RESPONSIBILITIES:**
- Ability to understand product requirements and develop solutions
  - In a team environment
  - In accordance with cost targets
  - In the timeframe required
  - Aligned with manufacturing / supplier / material capabilities
  - Through utilization of the AmesburyTruth Product Development Process
- Advises on hardware solutions for customer window and door applications
- Leads efforts in developing specifications for window and door hardware products
- Reduces product risk using DFMEA and FEA during the design process
- Ensures product manufacturability through participation in Design for Manufacture (DFM) and Lean/Six Sigma exercises during product design
- Models products in 2D and 3D CAD
- Ensure products adhere to applicable industry/business standards and code requirements
- Identifies alternative or better performing materials for use in window and door products
- Organizes and maintains existing engineering records
- Builds product prototypes to share with customers and obtain product feedback
- Creation and maintenance of Bills of Material within the corporate ERP system
- Creates well-written product documentation and application notes to communicate key information to customers efficiently and clearly
- Recommends new products and product modifications
- Maintains responsibility for generating and executing Engineering Changes (ECR/ECO)
- Manages projects using project management and communication tools
- Develops and facilitates product training for internal and external customers
- Performs testing on products as needed for development and customer needs
- Works with internal team to identify and implement cost savings opportunities

**KNOWLEDGE / SKILLS / ABILITIES:**
- Must be proficient in 2D and 3D CAD (Inventor/SolidWorks)
- Ability to create detailed project plans
- Solid understanding of manufacturing methods, processes, and production equipment
- Ability to work independently as a strong self-starter
- Strong communication and interpersonal skills
- Must be proficient in Microsoft Excel and Word
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<tr>
<th><strong>QUALIFICATIONS / PRIOR EXPERIENCE:</strong></th>
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<tr>
<td>• Education: BS degree in Mechanical Engineering</td>
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<tr>
<td>• 1-2 years of experience in Design or Applications Engineering in the Fenestration Industry desired</td>
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<td>• Exposure to Lean Six Sigma principles desired</td>
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<th><strong>WORK ENVIRONMENT: OTHER REQUIREMENTS:</strong></th>
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<tr>
<td>• Work is typically performed in a climate-controlled facility with moderate noise levels that are within OSHA limits</td>
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<td>• Ability to utilize tools/equipment in R&amp;D lab to build/test product prototypes</td>
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<td>• Must be able to use normal office equipment (scanner, printer, copier, computer)</td>
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<td>• Must be able to travel domestically &amp; internationally</td>
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<td>• Must be able to lift 25-50lbs occasionally</td>
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The above statement reflects the general details considered necessary to describe the principal functions of the job identified, and shall not be construed as a detailed description of all the work requirements that may be inherent in the job.

*Please send resumes to careers@amesburytruth.com.*