

# THE YOUNG INDUSTRIES, INC.

## JOB DESCRIPTION

November 16, 2020

### MECHANICAL ENGINEER

#### 1. Overview

The Young Industries, Inc. is looking for a highly motivated, and driven individual who can learn to provide efficient solutions to the development of processes and products, ranging from small component designs to extremely large plant processes and machinery. You will work on all stages of a project, from modeling and design, through to installation and final commissioning.

As part of the engineering team, you will provide complete engineering services to our customers. These services include system design, process engineering, process layout drawings, equipment drawings, general arrangement drawings and engineering analysis. We use the latest in 3D parametric technology (SolidWorks) to design equipment and provide layout drawings to our customers.

#### 2. Responsibilities

- Designing mechanical components that fulfill requirements.
- Specify system components or direct modification of products to ensure conformance with engineering design and performance specifications.
- Analyzing problems or deficiencies and developing solutions to resolve them.
- Creating plans and designs using CAD technology.
- Perform engineering calculations to support design work.
- Writing technical documentation for machine operators.
- Ensuring that products meet compliance regulations.
- Collaborating with project managers and other engineers in our team.
- Read and interpret blueprints, technical drawings, schematics, and computer-generated reports.
- Discuss and solve complex problems with manufacturing departments, sub-contractors, suppliers, and customers.
- Consider the implications of issues such as cost, safety, and time constraints.

#### 3. Requirements

- Previous manufacturing or engineering experience preferred.
- Able to sit at a computer for prolonged periods of time.
- Knowledge of Microsoft Office programs.
- Knowledge of SolidWorks or other 3D CAD related programs.
- Able to follow written and verbal instructions.
- Professional appearance and behavior, including punctuality.
- Excellent communications skills
- Preferred to have a minimum of associates degree in an engineering or business-related field.

#### 4. Supervisory Responsibility

This position has no direct supervisory responsibilities.

## **5. Work Environment**

This job operates in a professional office environment. This role routinely uses standard office equipment such as computers, phones, photocopiers, and filing cabinets.

## **6. Physical Demands**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee is regularly required to talk or hear. The employee is frequently required to stand; walk; use hands to finger, handle or feel; and reach with hands and arms. The employee is occasionally required to sit; climb or balance; and stoop, kneel, crouch or crawl. The employee must frequently lift and move up to 25 pounds and occasionally lift and move up to 50 pounds.

## **7. Position Type and Expected Hours of Work**

This is a full-time position. Some flexibility in hours is allowed, but the employee must be available during the “core” work hours of 7:00 a.m. to 4:00 p.m. Expected to work eight (8) hours a day and forty (40) hours a week to maintain full-time status. Occasional evening and weekend work may be required as job duties demand.

## **8. Travel**

Occasional travel may be required to various sites throughout North America, may require driving as well as flying to the site.