

**Position:** Industrial Production Engineer

**Status:** Full-Time Exempt

### **Company Overview**

At Earnest, we partner with farmers to turn their waste into sustainable soil products that help you, your plants, and the environment grow healthier and stronger. Our dedicated team of researchers, engineers, and scientists are helping to automate waste recycling and creating innovative products that improve cultivating outcomes at home and on farms.

### **Position Summary**

The Industrial Production Engineer is responsible for operations of the engineering department to support organizational business goals and objectives. The Industrial Production Engineer is a member of the core management group overseeing planning and logistics. This position reports to the CEO.

### **Essential Functions:**

- Improve production throughput and quality: The Industrial Production Engineer designs and improves manufacturing equipment and related processes for the company.
- Ensure plant safety: The Industrial Production Engineer trains Production Technologists to operate the equipment and conducts quality assurance operations.

### **Core Duties:**

- Plan and establish sequence of operations to fabricate and assemble parts or products and to promote efficient utilization of equipment, material, and utilities.
- Design and fabricate bio-composters and composting machinery
- Develop and implement automation of soil manufacturing and laboratory lines
- Conduct product measurement, inspection, and testing activities to ensure quality control and reliability.
- Estimate production costs, cost saving methods, and the effects of product design changes on expenditures for management review, action, and control.
- Communicate with management and user personnel to develop production and design standards.
- Evaluate precision and accuracy of production and testing equipment and engineering drawings to formulate corrective action plan.
- Make recommendations for staffing and improving utilization of personnel.
- Create and keep records of technical specifications for all equipment and production arrangements.

### **Required Education:**

- MSc or PhD in Mechanical Engineering

### **Required Experience:**

- Minimum 3 years of supervisory experience in a shop or lab environment and knowledge of safety protocols.
- Experience in product development, mechanical design and analysis.

- Hands-on experience with various manufacturing techniques including machining and welding
- Excellent knowledge of CAD modeling software (AutoDesk Inventor, AutoCAD, Solidworks, Sketchup) and technical drawing
- Programming knowledge in Arduino, Raspberry Pi, and/or Matlab.

**Other Requirements:**

- Ability to solve complex problems and work in a fast-paced environment
- Must be able to lift a minimum of 50 lbs.
- Driver license and no traffic violations.
- Exceptional interpersonal and relationship-building skills, organizational awareness, and collaboration skills
- Excellent time management skills and ability to multi-task and prioritize work
- Demonstrated attention to detail and problem-solving skills

COMPANY is an EOE and this position provides opportunity to get stock equity.

The above information on this description has been designated to indicate the general nature and level of work performed by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities and qualifications required of employees assigned to this job. Company reserves the right to modify or enhance the job description as business necessitates.

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