

John Deere

MAJORS: Agricultural Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering, General Engineering, Industrial Engineering, Materials Science, Mechanical Engineering

TITLE: Manufacturing Engineer - Multiple Positions-50448289

JOB DESCRIPTION:

Why John Deere

The John Deere Agricultural and Turf division touches every corner of the globe. If it's green and growing, chances are John Deere has a hand in it. Our products provide complete solutions, whether it's to nurture seeds into a bountiful crop, beautify our parks, carpet our golf courses or taking care of the lawns and gardens that surround our homes. Join John Deere -- a proven business leader -- and watch your potential grow.

Transforming vision into reality is a complex process that requires skill, dedication and teamwork. At John Deere, our manufacturing engineering and operations team is not only up to the task, but are also masters at refining the process for superior quality, speed and efficiency.

What You'll Do

John Deere Tractor Cab Assembly, located in Waterloo, IA is seeking Manufacturing Assembly Engineers to support New Product Tractor programs. These individuals work in teams of Manufacturing Engineers to provide all the technical assistance, standards, work instructions, mistake proofing and other expertise needed for a particular section of the lines. Within this role, you will:

- Be responsible for coordinating work based upon new model program needs such as facility changes, plan for every part tooling requirement, design for manufacturing, supporting physical builds and start of production with a manufacturing execution system (MES), Operator Method Sheets (OMS) and Wplanner documentation.
- Plan, coordinate and complete manufacturing engineering work for projects that requires leadership with other departments and outside contractors.

What It Takes

We need an excellent communicator, who thrives on solving problems and working in a team environment. Ideally, you will have a Bachelor's Degree in Engineering/Technology or equivalent work experience. In addition, we require:

- 3+ years of manufacturing engineering experience supporting assembly operations.
- Demonstrated leadership experience in a manufacturing environment.
- Demonstrated ability to initiate and complete multiple, concurrent projects.
- Strong technical aptitude including diagnostic and troubleshooting skills.
- Experience with product systems - mechanical, hydraulic and/or electrical.
- Ability to lead a team and influence without authority.
- Demonstrated ability to effectively interface with the wage and salary workforce.
- Ability and willingness to work variable hours to include off-shifts and overtime.

A strong candidate will also possess:

- Experience with agricultural or heavy equipment industry.
- Experience in either an assembly or welding manufacturing environment.
- Experience with Lean/Continuous Improvement principles within manufacturing.
- Experience with the following software programs: SAP, Pro/E, AutoCAD and VisMockup.
- Experience with shop floor manufacturing incentive pay systems.
- Strong understanding of Industrial Engineering basics, working knowledge of process planning tools, and exposure to the line design process.
- Experience with tool and fixture design, testing and procurement.
- Experience with automated technology such as robotics and material handling.
- Experience using Microsoft Office (Outlook, Excel, Word, PowerPoint, Access).

What You'll Get

At John Deere, you are empowered to create a career that will take you to where you want to go. Here, you'll enjoy the freedom to explore new projects, the support to think outside the box and the advanced tools and technology that foster innovation and achievement. We offer comprehensive relocation and reward packages to help you get started on your new career path. [Click here](#) to find out more about our Total Rewards Package.

JOB TITLE: Manufacturing Assembly Engineer - Multiple Positions-50458236

JOB DESCRIPTION

Why John Deere

Every day, our customers go to work with the earth. Whether they're digging it up, building upon it or harvesting the trees that grow on it, our customers work hard every day. And they rely on the machines we build to work even harder. The John Deere Construction & Forestry Division is at the forefront - developing new technology that helps our customers work harder by working smarter. We promise products and services that deliver productivity, uptime and low daily operating costs - and we deliver.

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What You'll Do

John Deere Construction & Forestry is seeking multiple Manufacturing Assembly Engineers to support production and PDP growth projects in our product lines. These individuals work in teams of Manufacturing Engineers to provide all the technical assistance, standards, work instructions, mistake proofing and other expertise needed for a particular section of the lines. Within this role, you will:

- Be responsible for coordinating work based upon new model program needs such as facility changes, plan for every part tooling requirement, design for manufacturing, supporting physical builds and start of production with a manufacturing execution system (AMES), Operator Method Sheets (OMS) and Wplanner documentation.

- Plan, coordinate and complete manufacturing engineering work for moderate scope projects that requires leadership with other departments and outside contractors.

What It Takes

We need an excellent communicator, who thrives on solving problems and working in a team environment. Ideally, you will have a Bachelor's degree in Engineering or Manufacturing Technology. In addition, we require:

- 2+ years of manufacturing engineering experience supporting assembly operations of similar products.
- Demonstrated leadership experience in a manufacturing environment.
- Experience with Microsoft Office software; Word, Excel, PowerPoint and Outlook.

A strong candidate may also possess:

- Experience in one or more related engineering areas: industrial, production, methods, reliability, design, manufacturing and quality.
- Knowledge of the principles of work measurement.
- Experience with VisMockup and Wplanner.
- Knowledge of engineering specifications and part routings.
- Experience with Lean/Continuous Improvement principles within manufacturing.
- Experience with SAP.
- Experience with mistake-proofing.
- Experience with Assembly Operations in a heavy equipment industry.
- Master's degree or equivalent.

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JOB TITLE: Welding Engineer-50466680

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What You'll Do

John Deere Waterloo Works is seeking a Welding Engineer to investigate, gather and analyze data for identifying root cause for welding issues. Within this role, you will:

- Establish routings, process decisions, establish layouts, develop Operator Methods Sheets, develop control plans for revisions to current operations and/or running changes for current product.
- Work with weld fixtures (Manual & Robotic) and determine weldment costs.
- Identify and implement cost reduction projects, quality, safety and ergonomic improvement ideas for welding operations.
- Work with CI-Maps, SAP, Wplanner and VisMockup to perform engineering functions.
- Design cell layouts to improve material flow and material presentation.
- Participate in Continuous Improvement Teams, Weld Improvement Teams and Natural Work Groups.
- Implement new manufacturing/error proofing processes.
- Assist in the development of baseline data for new wage performance pay plans.

- Develop and maintain Welding Procedure Specifications and Weld Maps.
- Perform robot programming, weld/weave schedule and weld parameter audits.

What It Takes

We need an excellent communicator, who thrives on solving problems and working in a team environment. To be successful in this role, a Bachelor's Degree in Welding Engineering or Welding Engineering Technology or equivalent experience. In addition, we require:

- Hands on welding work experience (Welder, Fabricator and/or Welding Engineering Internship).
- Basic understanding of robot part programming and weld fixture design.
- Ability to develop semi-automatic and robotic GMAW parameters.
- Ability to develop Welding Procedure Specifications.
- Ability to determine weld quality requirements to a specification.
- Knowledge of manufacturing quality principles.
- Experience with preventative maintenance programs.
- Working knowledge of Microsoft Excel and Word.

A strong candidate will also possess:

- 1+ year(s) of hands on welding experience in a production or fabrication environment.
- Experience with line and process design, material presentation, cycles of imbalance and visual management tools.
- Fanuc weld robot part programming/troubleshooting experience.
- Panasonic weld robot part programming/troubleshooting experience.
- Experience with laser cutting parameter development on sheet and tubular steel.
- Experience using AutoCAD and/or Pro-E for tool design.
- Lincoln GMAW equipment experience.

- Project management skills.

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JOB TITLE: Engineering Intern

JOB DESCRIPTION

Product Engineering professionals at John Deere have the latest technology at their disposal. We use virtual reality modeling, simulation and design techniques to create our award-winning designs. Our customers demand sophisticated solutions, and we incorporate the latest in electronics to exceed their needs. Engineering opportunities are not limited to traditional roles or functions. Today, John Deere engineers work in staff and leadership positions in areas such as supply management, marketing, production management, and human resources to develop their skill sets and career opportunities. Career opportunities include: Supplier development, purchasing, engineering liaison between design and production, production management, marketing, supply chain management, and quality engineering. Job duties may include:

- Produce and evaluate design solutions to improve cost, quality and performance.
- Analyze assignments and determine engineering specifications.
- Compile information necessary to document the design solution required for building of prototypes and adoption of a design.
- Execute test or analysis plan for product verification and validation.

Great products require great manufacturing processes, and we are always striving to improve the way we work. As a Manufacturing Engineer, your assignments could focus on linking our design and manufacturing processes. You may be involved in planning new product processes or you could be

responsible for creating additional efficiency through improved use of technological solutions and new methods. Regardless of your role, the latest technology is available to help you achieve your best results. Career Opportunities include: Design and construction of John Deere facilities, development of new and efficient manufacturing methods, processes and computer-aided analytical programs and systems, maintenance management, long-range facilities planning, and production technology research. Job duties may include:

- Provide support and trouble-shooting for current operations.
- Identify and implement cost reduction, quality, safety and ergonomic improvement ideas.
- Develop and implement plans to support lean manufacturing through the Deere Production System.
- Participate in team studies related to capacity, energy, productivity and efficiency.
- Implement new manufacturing processes and technology

The Internship Program is for students enrolled in major fields of study that align with full-time employment opportunities at John Deere. Students may enter the program during undergraduate or graduate studies. Intern positions can be semester length in the fall or spring, the majority will be summer internship sessions lasting 13 weeks.

Requirements

Majors: Ag Engineering, Mechanical Engineering, Industrial Engineering, Electrical Engineering, Manufacturing Engineering, Computer Engineering, Hardware, Software, Weld, or related major

Desired Cumulative GPA: 3.0 on a 4.0 Scale

Class Status for Interns: Sophomores, Juniors, or First-year graduate students

IN ORDER TO BE CONSIDERED FOR A POSITION AT JOHN DEERE, YOU MUST APPLY ONLINE AT WWW.JOHNDEERE.JOBS. PLEASE STOP BY THE JOHN DEERE CAREER FAIR BOOTH AND MEET WITH A COMPANY REPRESENTATIVE AT THE CAREER FAIR.

TITLE: Engineering Full-time

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- Implement new manufacturing processes and technology

Full-Time hiring is for students who have completed either undergraduate or graduate studies at an accredited university.

Requirements

Majors: Ag Engineering, Mechanical Engineering, Industrial Engineering, Electrical Engineering, Manufacturing Engineering, Computer Engineering, Hardware, Software, Weld, or related major

Desired Cumulative GPA: 3.0 on a 4.0 Scale

Class Status for Full-Time: Graduating Seniors

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