

<b>Job ID:</b>	369
Job Title:	Product Design Engineer
Degree Requirements:	BSME or BS Agricultural Engineering
Years of Experience:	10 - 15
Type of Position:	Direct Hire
Location:	NW Alabama
Salary Range:	Depends on Experience and Expertise
Travel Required:	25%

**PLEASE HELP US HELP YOU by telling us what your employers do to make money. Do not assume that we know anything about them. One or Two sentences will suffice.**

### **US CITIZENSHIP IS REQUIRED**

We are working with company based in NW Alabama that is leader in transportation, sportsman, and farm equipment manufacturing that has made a strong commitment to product development as the key to future growth. Working with this company, we are seeking outstanding candidates who have a minimum of 10 - 15 years' work experience machine design in a manufacturing organization.

**MUST HAVE REQUIREMENTS** for this position are:

- \* US CITIZENSHIP
- \* Bachelor of Science in Mechanical or Agricultural Engineering from an ABET Accredited institution
- \* A minimum of 10 years machine design experience in an equipment manufacturing organization
- \* Parametric 3D modeling experience required
- \* Autodesk Inventor experience is preferred
- \* Good communication skills
- \* Detail oriented and well organized
- \* Ability to take direction and work independently or as part of a highly effective team
- \* Ability to work in an office environment ( computer workstation utilizing various input devices )
- \* Be able to work on & around heavy construction, forestry, agricultural, transportation machinery up to a full day
- \* You must be able to stand, walk, sit, reach with hands & arms, climb / balance, stoop / kneel, talk & hear, & using fingers & hands to feel objects, tools or controls on & around this machinery
- \* Be able to travel, at times over multiple days to customers, production facilities or job sites
- \* Be able to lift / move up to 25 pounds
- \* Specific vision abilities required include close vision, distance vision, depth perceptions, and the ability to adjust focus
- \* Be able to work overtime as workload requires
- \* BE WILLING & ABLE to move to NW Alabama ( relocation package provided for right candidate )

**PLUSSES** in this position are:

- \* Expertise using Autodesk Inventor is preferred
- \* Design of agricultural or transportation equipment is preferred

**The RESPONSIBILITIES of this POSITION INCLUDE, BUT ARE NOT LIMITED to:**

- \* Create designs & specifications for new products
- \* Build, test, & evaluate prototypes ensuring that design goals & requirements are met
- \* Led some engineering projects
- \* Assist in defining & determining feasibility of design concepts
- \* Develop new product design layouts utilizing different approaches to aid management in deciding best course of action
- \* Prepare cost analysis determine potential project costs
- \* Perform required engineering calculations to properly configure structural and functional components ( functionality & durability )
- \* Determine piece & part specifications ensuring proper fit of all components in prototypes / products
- \* Produce part & assembly sketches, models & drawings for all components required ( both inhouse & outsourced ) for the project
- \* Develop BOM ( Bill of Material ) & enter information into ERP ( Enterprise Resource Planning ) system
- \* Communicate effectively with proto shop and manufacturing personnel during prototype and pilot builds
- \* Analyze prototype and adjust designs as required before production build cycle begins
- \* Work with other participants in testing programs
- \* Investigate, solve & test, as well as provide layouts as required
- \* Investigate reported current production design problems or requested product improvements

If you meet these requirements and wish to be considered for this position, send your résumé, that **includes what your employers do to make their money**, to us in a Word document without Headers / Footers, or Text Boxes at [Resumes AT PinnaclePlacementGroup.com](http://ResumesATPinnaclePlacementGroup.com) mentioning the **Job ID** and the **Job Title** in the subject line of your email.

**\* ALL CLIENTS REQUIRE, BACKGROUND CHECKS & DRUG TEST AS A PART OF PRE- EMPLOYMENT HIRING PROCESS.**

**In your email or cover letter, please provide us a short narrative detailing your experience and expertise as it applies to this position. Also, please provide us with your *MINIMUM salary requirements*.**

**Applicants for employment are to be considered for employment based on the individual applicant's qualifications and without regard to race, color, creed, gender, age, disability, national origin, religion, veteran status, uniform service member status, marital status, sexual orientation, citizenship status, genetic information, or on account of membership in any protected category under federal, state, and local laws.**

**KEY WORDS:** BSME, BS Mechanical Engineering, BS Agricultural Engineering, North West Alabama, Agricultural Equipment Design, Construction Equipment Design, FAE, Caterpillar, Doosan, Komatsu, Genie, Terex, logging equipment, forestry mulchers, farm equipment, mowers, discs, tillers, trailers, skid steer, 3D Parametric Software, Autodesk Inventor, AutoCAD, SolidWorks, BOM, Bill of Material, ERP, Enterprise Resource Planning, prototype, US CITIZEN