



Job Description

MECHANICAL DESIGN ENGINEER

Company:

Kays Engineering is a CNC machine manufacturer located in Marshall, MO. We design and build the DeHoff, Eldorado, and TechniDrill brands of precision drilling machines. We have over 4,000 machines in service all over the world in the automotive, aerospace, firearms, medical, and petrochemical industries. For additional information visit our website at www.kays-dehoff.com.

Scope:

Engineering and design of mechanical assemblies, automation systems, and other related systems for precision deep-hole drilling machines and special purpose industrial equipment. Job includes completion of machine layout drawings, required calculations, component specification, and other documentation. Position reports to the Mechanical Engineering Manager.

Requirements:

- BS in Mechanical Engineering, Mech. Eng. Technology, or related degree
- 2 – 5 years' experience in design of manufacturing equipment or industrial machinery
- Applied mathematical skills and mechanical analysis ability
- Good verbal and written communication skills
- Computer skills, excellent computer drafting skills, AutoCAD proficiency

Duties:

- Design components and sub-systems of precision drilling machines, including tooling, fixtures, and automation systems
- Analyze mechanical systems including bearings, drive belts, ball screws, torque & HP requirements, machine components, and structural weldments for assurance of function and suitability of use
- Draft details of mechanical components of machines, itemized assembly drawings, floor plan layouts, and installation diagrams using AutoCAD
- Design hydraulic and pneumatic systems and create schematic drawings
- Determine suitability and specify purchased components used in construction of machines
- Create bills of materials for machine assemblies and sub-assemblies
- Communicate with customers to clarify machine requirements
- Communicate with component suppliers to stay abreast of current product developments
- Interface with fabrication, machine shop, and assembly departments to complete construction of machines, including revision of drawings and incorporation of suggestions as they occur
- Complete operation & maintenance manuals and other related documentation for completed machines
- Other duties as assigned by the Mechanical Engineering Manager

To apply, please send Resume and completed Employment Application to: matt.kays@kays-dehoff.com



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