Maxitrol

https://www.maxitrol.com/job/machine-designer/

Machine Designer

Employment Type
Full-time

Job Location
Southfield, MI

Date posted
June 1, 2023

Please send your resume to
hr@maxitrol.com

Description

The Machine Designer will work with mechanical, automation and controls engineers to help develop and implement new custom equipment and tooling to the manufacturing process. This position requires a wide range of experience with machining, machining equipment, automation, and 3-D software such as Solidworks. The position will be based in our Southfield, MI headquarters with occasional travel to production facilities in Michigan reporting to the Control/Automation Manager.

Responsibilities

Translate written design concepts/sketches, product data, and customer requirements/standards into fully functional SOLIDWORKS designs.

Able to generate accurate Bills of Materials, and Detail Prints.

Work in a collaborative environment with Engineering Managers, Manufacturing Manager, and Controls/Automation Manager.

Develop and evaluate potential solutions to engineering problems for feasibility, manufacturability, and optimal cost.

Capable from design concept, through revisions, to final approved designs.

Interact with vendors to determine proper and cost-effective purchased items.

Participate in internal and customer design reviews with ability to effectively translate meeting minutes into final/approved designs.

Work with builders to monitor assembly progress and update designs/details to “as built” when required.

Evaluate potential solutions to engineering problems for feasibility, manufacturability, and cost.

Ability to perform CAE simulations, FEA, and engineering calculations.

Other duties and responsibilities as assigned.

Qualifications

Technical School Graduate or equivalent experience in an industrial manufacturing environment.

3 years design experience in an manufacturing environment.

Experience with SOLIDWORKS mechanical design software.

Must have a working knowledge of the basic principles of good manufacturing practices, industrial hygiene practices, electrical safety, industrial maintenance

processes.

Education

Requires a High school diploma or general education degree (GED) required.

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