

MACHINE DESIGNER

Company: Litens Automotive Partnership

Location: Concord, ON

Status: Full Time, Employee

Job Category: Product Engineering

Qualifications

- Degree/Diploma in mechanical engineering
- 3-6 years experience in machinery design
- Solidworks CAD
- Hands-on and practical skills
- Experience with automotive systems will be preferred
- Good communication and interpersonal skills are required, both written and verbal.
- Knowledge of environmental test procedures
- Knowledge of latest test technologies, test equipment, measurement techniques and key suppliers.
- Ability to work independently under pressure without supervision, handle multiple projects with conflicting priorities.
- Safety is an overriding priority; designs machines and devices must meet Canadian safety requirements and shall be of foremost consideration.
- Good hands on skills, experience with industrial settings

Duties and Responsibilities

- Design tests to validate mechanical and electrical components (Litens Products) for use in OE automotive applications, from given specification documents or original test designs based on skilled knowledge of the components and operating environment.
- Design enhancements or revisions to machines, fixtures, devices to meet new or changing requirements. Coordinate the installation/launch of same.
- Design fixtures and/or machines to perform engineering tests to specifications. Various technologies including mechanical, hydraulic, electrical, pneumatic, computer will be required.
- Engineering test machines utilize high-load, high-speed shafts with motors, clutches, loads and couplings, robust and reliable designs are mandatory.
- Design controlled environmental load systems including high and low temperature, water, salt spray, mud spray, humidity and vibration; and the necessary devices to contain and process these parameters as required.
- Prepare drawings and design specifications, bills of material and cost estimates.
- Coordinate machine construction, rebuilding and commissioning with Manufacturing Engineering team and others as necessary.
- Design, research, specify and source components and equipment.
- Interface test machinery and systems to automotive devices including all Litens products, engine control computers, digitally controlled components such as alternators, actuators, motors and sensors.
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About the Company

Litens Automotive Partnership is a dynamic world class manufacturer of engineered power transmission systems and components. An ISO/TS-16949 registered Tier I supplier in the automotive industry, Litens Automotive is committed to attaining excellence in every aspect of its operations.

To apply, please send your resume to: employment.info@litens.com

We thank everyone for their applications; however, only qualified applicants meeting all of the above stated application criteria will be contacted.

No phone calls please.

