

# TEC

## Current Employment Opportunities

Please make sure to reference the **job order** number(s) of the position(s) you are applying for, in the subject line of your email when submitting your resume.

Use Ctrl+F to search this document.

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Job Order # **7417** Position Title: **COMPONENT ENGINEER** Type: **Contract**  
Degree: **BSME** Location: **Detroit, MI**

### Required Skills

Significant interface with multiple vehicle groups, requiring strong coordination and interpersonal skills. BSME degree, 2+ years of experience. Preferred skills: CATIA and VPM background plus, knowledge of Chrysler Engineering support systems would be a positive. Background in Catalyst Systems design and/or exhaust would be a positive.

### Job Description

- Release Hot End Systems (Catalysts) for PM, MK, JS, JC and RT vehicles for OM651 and VW Diesel Applications.
- Lead design and development coordination for carry over Diesel build and quality improvements.
- Support the same for OM651 Diesel builds for Mule, S0, S1, S2 and Launch.
- Goal of commonizing hardware across multiple vehicle lines to minimize investment and piece cost, simplify calibration and emissions certification workloads.
- Responsible for implementing and coordinating catalyst PGM (precious metals) thrift MCM's.
- Coordination between washcoat supplier and hardware supplier, internally between Chassis on the Veci Label and OBDII if calibration changes are made.

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Job Order # **7427** Position Title: **Mechanical Design Engineer** Type: **Direct**  
Degree: **BSME** Location: **Farmington Hills, MI**

### Required Skills

BSME degree, Solid Edge (Solid Works), Design/development of capital equipment experience highly desired.

### Job Description

To provide advanced engineering for the design and development of capital equipment for the food industry.

- Experience in design of power transmission systems, pneumatics, hydraulics, and metal fabrication.
- Proficient with specification of mechanical components (gears, sprockets, motors), and machine design dynamics such as trajectory, momentum and inertia calculation, stress and loading calculations, drive ratio, servo sizing, general ergonomics and safety design concepts.
- Experience with engineering processes and analysis (DFMA, FMEA, FEA, GD&T)
- Experience commissioning industrial equipment in the field.
- Strong customer service skills with a team player attitude.
- Must possess a fundamental approach to problem solving, on-time delivery, sound trouble shooting skills, supplier interaction skills, and release writing skills.
- Travel required both domestic and international, to provide assistance with installation, training and troubleshooting.

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Job Order # **7428** Position Title: **Mechanical Design Engineer** Type: **Contract/30 days**  
Degree: **BSME** Location: **Farmington, MI**

### Required Skills

BSME degree, Solid Edge (Solid Works), Design/development of capital equipment experience highly desired.

### Job Description

To provide advanced engineering for the design and development of capital equipment for the food industry.

- Experience in design of power transmission systems, pneumatics, hydraulics, and metal fabrication.
- Proficient with specification of mechanical components (gears, sprockets, motors), and machine design dynamics such as trajectory, momentum and inertia calculation, stress and loading calculations, drive ratio, servo sizing, general ergonomics and safety design concepts.

- Experience with engineering processes and analysis (DFMA, FMEA, FEA, GD&T)
  - Experience commissioning industrial equipment in the field.
  - Strong customer service skills with a team player attitude.
  - Must possess a fundamental approach to problem solving, on-time delivery, sound trouble shooting skills, supplier interaction skills, and release writing skills.
  - Travel required both domestic and international, to provide assistance with installation, training and troubleshooting.
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Job Order # **7429**

Position Title: Electrical Engineer

Type: Contract/30 days

Degree: BSEE

Location: Farmington Hills, MI

**Required Skills**

BSEE degree, Electronics, Embedded circuit board analysis, C++, PLC HMI software, Servo Systems, AutoCAD

**Job Description**

Primary Role:

Reporting to the VP Engineering, the Electrical Engineer be responsible for research, development and application projects related to the design, manufacture and testing of electrical/electronic components, equipment and systems in the control of high speed capital products.

**Essential Responsibilities:**

- Provide an accurate electrical documentation package - Schematic, wire list, component list, and other related documentation.
- CAD Proficiency - AutoCAD at a minimum. 3D Software (Solid Edge preferred).
- Has led projects from a technical point of view in the past from engineering to build and testing.
- Familiar with manufacturing processes and introducing new projects into markets for manufacturing release.
- Strong communication skills. Will ask questions and be proactive to find solutions to problems.
- Strong organizational skills, keeps track of project tasks and deadlines
- Microsoft Project experience
- Process oriented, BOM's in MRP processes. Familiar with Data type entry to purchasing and parts procurement.
- Hands-On Troubleshooting skills - Field Experience in front of customers.

**Preferred Knowledge, Skills and Abilities**

- Electronics, Embedded circuit board analyses knowledge
- PC Based C++ knowledge
- Experience in the food packaging industry is a plus - Washdown, IP67 type philosophy and USDA experience
- Experience with B&R hardware and software
- EN60204 familiarity

**Essential Knowledge, Skills and Abilities:**

- BSEE
  - Minimum 4 years related experience
  - PLC HMI Software programming
  - CE, UL, CSA, and CUL specification knowledge. Experience in all aspects of designing industrial control panels – sizing components, Control Circuit design, Proper Protection, branch circuit design, industrial control panel construction knowledge, industry standards.
  - Servo Systems Experience
  - Travel (including international)
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Job Order # **7430**

Position Title: Design Engineer

Type: Contract-Direct

Degree: BSME

Location: Canton, MI

**Required Skills**

EITHER: Solidworks or NX3, Advanced Surfacing, Electrical Connector Design experience. Launch experience.

**Job Description**

Design Engineer to launch new connector product on a GM platform for a supplier.

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Job Order # **7431** Position Title: **Mechanical Product Engineer** Type: **Contract**  
Degree: **BSME** Location: **Detroit, MI**

**Required Skills**

**BASIC ENGINEERING**, Experience with releasing arc welded chassis components, Supply base management.

**Job Description**

Frame Release Engineer- Responsibilities would include frame design, assessing NVH/impact/durability CAE, PV/DV frame testing, interfacing with suppliers in a team environment, project management, CN execution, cost management and launch support

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Job Order # **7432** Position Title: **CAD Engineer** Type: **Contract**  
Degree: **BS** Location: **Troy, MI**

**Required Skills**

**CATIA V5**, 3-5yrs **CATIA/CAD Design Engineer**, **BS Degree**, electric wiring/connectors.

**Job Description**

The candidate will be responsible for the design integration of electric wiring and electric connectors in the Hybrid Electric Vehicle projects. They will be working with CAD design layout of components and interaction with the vehicle packaging teams to support digital mockup activities. They will also be responsible for component system feasibility studies to determine the optimal system layout for the above systems. They will be tracking change activity of design levels with the suppliers and determine impact on overall program objectives. The candidate will work with HEV project house and platform BOM coordinators on component part numbers, VPM activity, and component weight tracking.

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Job Order # **7433** Position Title: **Mechanical Engineer** Type: **Contract**  
Degree: **BSME** Location: **Arizona**

**Required Skills**

**Engineering knowledge**, **Frame**, **structural impact & durability**, **Brake calibration**, **Chassis HEV**, **BSME** or equivalent, **5 years experience**.

**Job Description**

- Follow entire durability testing process for a select number of test vehicles.
  - Report on their progress and issues.
  - Document test issues and interact with product team engineers on resolution.
  - Work with special test technicians to instrument vehicles and conduct brake certification testing in addition to other types of non-durability tests.
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