

**PALL AEROPOWER CORPORATION
JOB DESCRIPTION**

Job Title:	DESIGN ENGINEER (Air Cleaners)
Department:	#3301
Reports to:	Engineering Supervisor, Tetyana Gilbert
Classification:	EXEMPT

EDUCATION/PRIOR EXPERIENCE REQUIREMENTS

- BS Mechanical Engineering
- Excellent communications skills, verbal and written.
- Read and understand engineering drawings and schematics.
- Attention to details.

COMPUTER SKILLS:

- Solid Modeling experience
- Proficient in Microsoft Office Suite (Word, Excel, PowerPoint, etc.)

GENERAL RESPONSIBILITIES

- Integrates into the program Cross Functional Team (CFT) to support overall program success.
- Works closely with and takes project direction from Lead Engineers.
- Assumes an ownership role for all tasks and actions associated with a design project.
- Interfaces and communicates well with customers and team members.

SPECIFIC RESPONSIBILITIES OR AREAS UNDER INCUMBENTS CONTROL

The Design Engineer provides project support to lead engineers. This support is under close supervision and guidance from senior technical staff.

- **Create Solid Models and Drawings** - Create solid models and drawings under the direction of Sr. technical staff, using Catia V5. Responsibilities include adhering to modeling standards, creating 2-D drawing packages, proper application of geometric tolerancing, and conducting tolerance analysis.
- **Perform Analysis** – Optimize design performance through the application of analysis techniques including hand calculations, and engineering software.
- **Organize Engineering Design Inputs** -- Review customer documents including SCDs, design specifications, and process specifications to identify design inputs.
- **Gather, Organize, and Analyze Data** – This may include information extracted from our business system, test data, or outside sources (intranet research).
- **Review Technical Documents** - Review test plans, test procedures, and test reports, in accordance with the requirements set forth in the VVM. Recommend changes to documents as required.
- **Schedule/Budget** – Perform assignments as outlined in the project schedule, on time and within the provided estimates. Advise Team Leader & Engineering Mgmt if assigned tasks cannot be completed within budget and/or allotted time as soon as possible in the program.

PHYSICAL/MENTAL REQUIREMENTS

- Required to work both at a desk and supporting activities in the manufacturing area.
- Work more than one program simultaneously, while maintaining a high level of concentration and organization.