



JOB POSITION

HR Form 003

TITLE: Engineering Intern	DATE EFFECTIVE: 05/17/21
DEPARTMENT: Engineering	REPORTS TO: Mechanical Engineer Lead
ESSENTIAL RESPONSIBILITIES: include the following. Other duties may be assigned <ul style="list-style-type: none">• Operate and maintain FDM and SLA 3D printers• Assist with, or perform assembly of tooling or infrastructure for implementation into production• Collect and compile data for warranty parts and investigate failure modes• Run tests and record data for research and development of magnetos and components• Compile ignition harness data from drawings to investigate communization• Perform time study of machine shop operations and setups• Submit parts for order based on drawing BOM of tools & fixtures• Create or update engineering drawings if required• Other tasks as assigned	
SKILLS & EXPERIENCE REQUIRED: <ul style="list-style-type: none">• Language skills: Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write routine reports and correspondence.• Ability to read and interpret engineering drawings• Experience with various forms of hard gauging such as micrometers, calipers, dial indicators, etc.• Experience working in a team environment• Mechanical aptitude and understanding of mechanical systems	
SKILLS & EXPERIENCE DESIRED: <ul style="list-style-type: none">• Experience with 3D printing• Experience with aviation related products and the FAA regulatory system• Experience in manufacturing environment	
COMPUTER SKILLS: <ul style="list-style-type: none">• Advanced computer skills including MS Word and Excel.• Experience with 2D & 3D CAD software (Creo Parametric experience a plus)	

EDUCATION REQUIRED:

- High School degree
- Current enrollment in or recent graduate from college level mechanical, aerospace, or electrical engineering program

CERTIFICATES REQUIRED:

- N/A

MATHEMATICAL SKILLS:

- Ability to add, subtract, multiply and divide in all units of measure, using whole numbers, common fractions and decimals. Solid understanding of Geometry.

REASONING ABILITY:

- Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, diagram or schedule form.

PHYSICAL DEMANDS:

- While performing the duties of this job, the employee is required to stand; reach with hands and arms. The employee must regularly lift and/or move up to 30 lbs.

APPROVAL:

Department Manager: _____ Date_____

Human Resources: _____ Date_____