



Critical features of this job are described under the headings below. Beacon Industries, Inc. reserves the right to assign or reassign duties and responsibilities to or from this job at any time.

Job Title:	Design Engineer
Department:	Engineering
Division:	Aerospace

Sample Job description for Design Engineer:

- Creating 3D model as per the blueprint requirement
- Generating forging model
- Checking the 3d model dimensions with every dimension mentioned in the blueprint
- Responsible for designing, modelling and drafting of turbine components and assemblies in NX considering full spectrum of design requirements (functionality, robustness, cost effectiveness, manufacturing & technology, assembly and service).
- Prepares and checks assembly drawings, detailed drawings, manufacturing sketches, layouts as per standards requirement and creation of Bill of materials
- Checking the drafted sheets for compliance with the general approved
- Creating models as per the outline done for the process structure
- Drafting the models to generate the step-by-step method for manufacturing
- Check Drawing for latest revision and ballooning.
- Noting critical dimensions, datums, and critical shapes.
- Analyse general notations and Material Specifications.
- Reviews Process sheets and correcting OP Sheets.
- Knowledge of aspects of Mechanical Integrity of steam turbine components
- Knowledge of product development process of a product.

Skills/ Qualifications:

- MTech / B. Tech in Mechanical Engineering
- 3-8 years' prior experience in Design Engineer in Aero space manufacturing Turbine industry.
- Sound Technical knowhow of turbine Design and its functionality.
- Knowledge of Design Tools like Unigraphics Simens NX.
- Hands on experience of creating 3D assemblies / 3D Models / 2D Drawings.
- Experience on two domain (Design + Mechanics (Ansys)) would be added advantage.

PHYSICAL DEMANDS OF THE JOB:

N (Not Applicable) Activity is not applicable to this position

O (Occasionally) Position requires this activity up to 33% of the time (0 - 2.5+ hours per day)

F (Frequently) Position requires this activity up to 33% to 66% of the time (0-2.5+ hours per day)

C (Constantly) Position requires this activity up to 33% to 66% of the time (0 - 2.5+ hours per day)

Physical Demand

Lift/Carry

Stand

Walk

Sit

Manually Manipulate

Grasp

Reach Outward

Read

Reach above shoulder

Climb

Crawl

Squat or Kneel

Bend

4.5 kg or less

05-07 Kg

07-09 Kg

09-12 Kg

Over 12 Kg

Push/Pull

5 kg or less

10-25 kg

25-30 Kg

30-50 Kg

Other Physical Requirement

Vision (Near) Sense of Sound – Hear and Respond

Travelling to Vendor, Training Centre as per requirement