



Job Description

Position: Sr. Technical Drafter & Designer Engineering Department

Job Summary:

Doosan Turbomachinery Services is seeking a Qualified Candidate, with passion for drawings and CAD drafting, for the position of Technical Drafting and Designer. This position will be responsible for the creation, updating and peer review of technical drawings utilizing primarily AutoCad and SolidWorks as well as hand sketches and instructions as necessary. This position will also require the close working relationship with engineers and technical leads in the creation of forms and specifications for Production and Operation groups that include various types of Gas & Steam Turbine related repair & manufacturing processes. Further responsibilities include, but not limited to, high precision measurements for Reverse Engineering of turbine (or other) parts and 3D Scanning & Analysis of Scan Stl Reports in GOM and / or other related software.

Job Title / Position:

Sr. Technical Drafter & Designer – a member of the Engineering Department and supporting the Operations Group for various tasks as per Supervisor Instructions.

Requirements:

Qualified candidate will have minimum experience of five (5) years in Technical Drafting, Reverse Engineering & familiarity with 3D scanning techniques, precision and alignment. The candidate will preferably have experience in Gas and / or Steam Turbine Repair and / or Manufacturing Industries. Candidate shall be proficient in using precision measuring tools, the science of metrology and be able to handle tasks / projects independently with minimum supervision. Candidate with lesser experience are welcome to apply, however experienced candidates are preferred.

Work Responsibilities:

Candidate's responsibilities include, but not limited to, the following:

1. Create, Modify, Update & Standardize Technical Drawings, Forms & Specifications to Doosan's approved template.
2. Perform Reverse Engineering of parts and Create Repair, Manufacturing and Machining Prints.
3. Work with Engineers, Supervisors, Production Staff, Machinists & other Technical Co-workers to Design, Develop and Improve Tooling & Fixturing typically used for Repair Processes.
4. Maintain a Drafting Log with proper Revision control & create To-scale Doosan Templates.
5. Generate 3D / White Light Scan Process & Systems with Checklist.



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6. Generate System(s) for proper 3D capture by creating Planes, References, Datum, Physical Measurement checks etc. for each parts & particular requirement.
7. Log 3D Scan Projects and analyze data from equipment and software to create point clouds from time to time based on production needs. Responsibilities include, but no limited to:
 - a. Comparison of stl files of similar parts to Indicate & Conclude Major & Minor Profile and other Design Variations.
 - b. Generate variety of reports in pdf and / or stl for electronic communication.
 - c. Generate Manufacturing 2D Prints and other drawings as specified based on hand measured data and 3D point cloud data
8. Provide encouragement and leadership to other Draftsman in the function of Reverse Engineering, best practices & 3D Point Cloud Scan Reporting etc.
9. Protect & Secure the Doosan's Technical Information.
10. Keep Engineering office/ General work area clean & organized at all times.
11. Other items as required by Supervisor or DTS Management.

Benefits:

Qualified candidate will be given a full Benefit Package. The current Standard Package includes 401K, Health, Life, Disability, Dental & Vision Insurances. Insurance to become active 1st day after 60 day probation time is completed.

Pay Structure:

This is an 'Hourly Position' paid on a Biweekly basis. Competitive pay structure commensurate on experience.

Other Requirements:

Qualified Candidate will be proficient is using AutoCad 2015, Solidworks 2019, MS Word, Excel, GOM, and other reporting related software. Experience in using Share Point is a Plus.

Primary Work Location:

Primary work location is DTS Component Division in La Porte Texas. Occasional vendor and / or Client On Site visit may be required depending on opportunity. This position is typically <20% travel, but short notice travel may be required.