



## CAD ENGINEER

### General Description

CAD Engineer is responsible for accurately reverse engineering customer parts using 3D CAD software. The position requires the candidate to have SolidWorks modeling experience. AIS would prefer a candidate who has SolidWorks certification as well as experience is using VolumeGraphics, PolyWorks and Geomagic software. A preferred candidate would have 3-5 years' experience. Additional training will be provided depending on candidate's experience. Advanced Inspection Services is a leading provider of contract dimensional inspection services in the upper Midwest.

### Work Experience & Education Requirements

Must have a technical school or university diploma  
Would prefer 3 years of 3D modeling experience  
Solid skills in SolidWorks, 3D modeling. VolumeGraphics, PolyWorks and Geomagic – preferred  
Experience in reverse engineering equipment (laser scanners, CT scanners, 3D printing)  
Customer interaction skills  
Self-motivated and excellent problem solving skills a must

### Physical Requirements

1. Sit or stand for 30 minutes at a time.
2. Lift items to a height of 3 to 4 feet and/or move items up to 50 pounds.
3. Visual abilities needed for inspection (close vision, depth perception, ability to focus).

### General Duties

1. Reports to the Customer Service Manager
2. Able to evaluate customer parts for optimal design configuration
3. Create SolidWorks 3D model form measurement and scan data
4. Perform accurate comparisons of CAD model to actual part
5. Evaluate results to ensure accuracy and repeatability
6. Maintain an up-to-date training record
7. Responsible for interacting with quality inspectors
8. Assist in the quoting and process evaluation
9. Interact with customers regarding design results
10. Accurately record time and equipment used on all inspection jobs
11. Keep the company's and customers' proprietary information confidential
12. Remain impartial when performing duties that could influence the lab and/or its results.
13. Read and acknowledge AIS Employee Handbook and Undue Pressure form
14. Adhere to the ISO17025 quality system including policies, work instructions and lab policies