



CAD Perfect® Professional CAD Outsourcing

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Capability Statement

SAMS Listing Status: Active

DUNS: 601129034 +4: CAGE Code: 1ERF2

DoDAAC: Expiration Date: Jan 16, 2020

ITAR: M37877

CAD/CAM Services based in Dallas (Celina), Texas provides Catia, Unigraphics NX, Creo and Solidworks 3D modeling – simulation and drafting services. We also provide 3D scanning, and sell 3D scanners. We are a hi-end CAD outsourcing company. CAD/CAM Services is one of the very few firms in the world certified for very high precision aircraft CAD Conversion work. We were responsible for the conversion of 45,000 Aircraft drawings for TAFB – Tinkers Air Force Base, and providing Amazon.com over 1,000,000 (yes million) CAD files.

CAD/CAM Services converts over \$5 million CAD drawings into CAD Perfect® files each year. For some of our military and aircraft work, we have consistently achieved an accuracy of +/- .005". Whether your project involves just one drawing or 10s of thousands of drawings, we guarantee that our project will be delivered on time, to your specifications, and within budget.

Our staff includes P.E. engineers, CAD technicians, and 3D modeling experts. Our team has certifications from Autodesk, Revit, SolidWorks, Catia, UG, MicroStation and other CAD software. Which includes full assemblies accurate to ±.005" over any X, Y, & Z axis. We have a proven record of accomplishment of efficiently meeting organizations scanning and cad conversion needs through our diverse offerings:

- **CAD Conversion and Modeling Services.**
 - Scan and convert all types of engineering drawings and Mylar prints
 - Drafting and 2D to 3D Conversion
 - 3D Digital Modeling
 - 3D Scanning including terrestrial and NDT - CT
 - Point Cloud Conversion to editable CAD data
 - Validation and Reverse Engineering
 - Freeform Surface Modeling
 - Raster to Vector Conversion
- **Hardware and Software Sales**
 - Contex Large Format Scanners
 - Artec & Faro Laser 3D Scanners
 - Contex Scanning Software
 - NDT scanners
- **3D printing**
 - Rapid Prototype printing, 3D printing in PLA, Resin, Nylon and metal.
 - SLA 3D Printing Service. Metal 3D Printing Service. 3D Printing Part Service. DMLS 3D Printing Service. Titanium 3D Print Service. SLS 3D Printing Services.

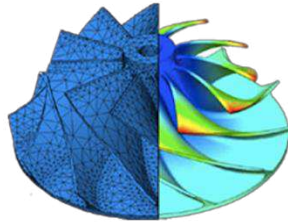
Past Performance and Success:

Since 1989, CAD / CAM SERVICES has successfully served the scanning and CAD conversion needs of business, state, and Federal Government. We are one of the oldest and most experienced CAD conversion companies in the US. The industries we serve include Aerospace; Automotive; Energy, Process & Plant; Engineering & Manufacturing; Mold, Tool & Die; and Shipbuilding. Our customers include Amazon, Boeing, Litton Shipbuilding, Amazon Supply, the U.S. Air Force, U.S. Navy and other DOD agencies. CAD / CAM SERVICES is a small Woman Owned Business, Dunn & Bradstreet rated along with being ITAR registered.

NAICS Code	Primary	Description
323111	Yes	Commercial Printing (except screen and books) – limited to 3D printing
334517		CT/CAT (computerized axial tomography) scanners
541330		ENGINEERING SERVICES
54134	Yes	Professional, Scientific, and Technical Services 54134 Drafting Services Reverse Engineering
541340	Yes	DRAFTING SERVICES
541370		SURVEYING AND MAPPING (EXCEPT GEOPHYSICAL) SERVICES
541519		OTHER COMPUTER RELATED SERVICES
561210		FACILITIES SUPPORT SERVICES
561410		DOCUMENT PREPARATION SERVICES
561990		ALL OTHER SUPPORT SERVICES
SIC Code		
2759		Commercial Printing, Not elsewhere classified – limited to 3D printing
737405		SCANNING SERVICE – 2D
7374007		SCANNING SERVICES – 3D
73749905		Optical Scanning data service
73730401	Yes	Computer-aided Design (CAD) services consulting
73730402		Computer-aided Engineering (CAE) services consulting
73730403		Computer-aided Manufacturing (CAM) services consulting

Product & Service Codes	Description
D312	IT AND TELECOM- OPTICAL SCANNING
C212	ARCHITECT AND ENGINEERING- GENERAL: ENGINEERING DRAFTING
D301	IT AND TELECOM- FACILITY OPERATION AND MAINTENANCE
D311	IT AND TELECOM- DATA CONVERSION
D315	IT AND TELECOM- DIGITIZING
D313	IT AND TELECOM- COMPUTER AIDED DESIGN/COMPUTER-AIDED MANUFACTURING (CAD/CAM)
AC54	R&D- DEFENSE SYSTEM: WEAPONS (ENGINEERING DEVELOPMENT)
AZ16	R&D- OTHER RESEARCH AND DEVELOPMENT (MANAGEMENT/SUPPORT)
R425	SUPPORT- PROFESSIONAL: ENGINEERING/TECHNICAL
AD24	R&D- DEFENSE OTHER: SERVICES (ENGINEERING DEVELOPMENT)
AJ46	R&D- GENERAL SCIENCE/TECHNOLOGY: ENGINEERING (MANAGEMENT/SUPPORT)
AD94	R&D- DEFENSE OTHER: OTHER (ENGINEERING DEVELOPMENT)
R412	SUPPORT- PROFESSIONAL: SIMULATION
AC44	R&D- DEFENSE SYSTEM: TANK/AUTOMOTIVE (ENGINEERING DEVELOPMENT)
AC93	R&D- DEFENSE SYSTEM: MISCELLANEOUS HARD GOODS (ADVANCED DEVELOPMENT)

Raster ->



-> Vector

Cad / Cam Services Overview

RE: Converting legacy engineering drawings into CAD.

We are a high-end engineering scanning and CAD conversion company. For example, consider your requirement to update a Navy Vessel and all you have is a roll of blueprints or a box of aperture cards, and engineering needs real editable CAD files to update and modify. Cad / Cam Services can scan and convert this into intelligent, editable CAD data (most any CAD system like Catia, NX, Creo, Solidworks and AutoCAD) as either 2-D or full 3-D models. Cad / Cam Services is that conversion firm, and we are often a sub to the DOD industry and Aerospace companies. We often provide the CAD and engineering services that you cannot do in-house, or need outside help in.

Cad / Cam Services has scanned and calibrated most anything the Airforce has in the air. Our job was to produce accurate raster scans – calibrated to within .005 on any X,Y plane, so our new electronic files are the Air Forces' new masters, replacing all of their old Mylar's. Another project was with Amazon.com. Here we built over 1,000,000 3D files into 7 different CAD formats. Today, any CAD File you see on Amazon, probably came from us. These were multi-year projects.

We can now provide:

- Converting any legacy engineering drawings into intelligent CAD (Vector) files.
- We support all major CAD systems like AutoCAD, SolidWorks, Catia, Creo, and NX.
- Includes full CAD assemblies to an accuracy of $\pm.005''$.
- Drafting, 3D design, GD&T, and simulation outsourcing.
- Data management PLM systems including SolidWorks, Catia (Dassault) and NX (UG).
- Full-fledged 3D scanning services.
 - CMM, Arms, laser scanning of any size – down all the way to a $\pm.001''$ tolerance, and our new CT industrial large object scanner.
- Dimensional Inspection of Precision Manufactured Parts.
- Reverse Engineering and FEA and simulation of Manufactured Parts.
- 3D printing in most material types

Cad / Cam Services is heavy into existing DOD work. Anything the Air Force has in the air, we have scanned and converted. We have converted many vessels for Bollinger Ship Yards and Litton-Ingalls for the Coast Guard and the Navy. With our ITAR registration, we can also work on weapons systems.

We are happy to provide samples upon request (files used with permission).

