



## CAD / CAM Services Capabilities



Since 1988, we have developed a proven track record with the Federal Government and other large Commercial Aerospace DoD Primes. As a result, our firm can provide your agency with accurate, safe, and trusted services, making it easy to do business with us.

Over the last 36 years, we have developed exceptional talent in the industry of CAD Engineering, Additive Manufacturing, CMM/Inspecting, Simulation, and Reverse Engineering. CAD/CAM Services holds advanced certifications in most major CAD Software Systems (CATIA, Siemens NX, PTC Creo, Solidworks, Inventor, and AutoCAD). Also, we are authorized dealers in the most widely used industry-standard 3D scanners and 3D printers. Our ramp-up is immediate.

*Professional CAD Engineering Outsourcing.*

### Core Competencies

- Convert mylars/blueprints/technical drawings to CAD  $\pm 0.005$ " accuracy
- Converting technical drawings into CAD
- Feature-rich CAD translations
- Sheet Metal – Shop floor – and mold design
- Engineering & CAD Simulation
- Additive Manufacturing
- Reverse Engineering
- Generative Design
- CAD Engineering
- The sale of 3D scanners and 3D Printers
- 3D Scanning, CMM, and Printing
- DfAM



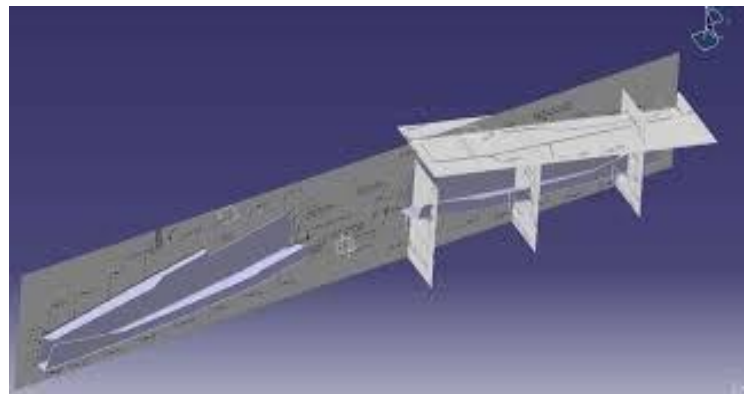
#### NAICS Codes:

541330 CAD Engineering Services  
 541340 Drafting      334519 Measurement  
 561320 CAD Temporary Help  
 518210 Optical Scanning 3D, NDT, medical film  
 332216 CMM machines  
 333249 3D Printing – Additive Manufacturing  
 334513 & 334516 Instruments for measuring

### Differentiators

CAD / CAM Services has spent 34 years delivering some of the world's largest and most complex CAD Engineering projects. Our projects range from converting over 1,000,000 technical drawings for Amazon.com into 2D and 3D CAD files to complex stealth aircraft CAD models for Harris Aerospace, GE Aviation, Northrop and others. NIST 800-171 approved.

**Price-Quality-Service-Delivery-Performance  
 -Track Record = Best Value**



**CAD PERFECT™ CAD SERVICES**

CAD/CAM Services  
 36 years of great customer service!

✉ [sales@cadcam.org](mailto:sales@cadcam.org)

☎ USA 1-972-978-4288



## Typical Projects

Research projects: SBIR - Air Force/Lockheed F-35 program - Large Body Metrology Inspecting. SBIR - The Navy - An enterprise-wide Additive Manufacturing Management system and DfAM Design for Additive Manufacturing single interface. Building an AI-based AI system that greatly improves the method for identifying and analyzing AM candidate parts. Designing and 3D Printing (Additive Manufacturing) - controlling 3D printers worldwide.

Common tasks include:

- 1) Mylar to Catia
- 2) CAD Migration
- 3) Reverse Engineering
- 4) Point Cloud to 3D CAD
- 5) 3D Design and modeling
- 6) Legacy to 2D and 3D CAD
- 7) 3D Engineering and Design
- 8) CAD Engineering Simulation
- 9) Feature-based CAD translations
- 10) Mold Tool & Die design and simulation
- 11) 3D designs to sheet metal shop drawings
- 12) CMM & Metrology inspecting with Creaform
- 13) Providing off-site Professional 3D CAD Services
- 14) NDT scanners (Vscan & Microtek), and NDT film scanning
- 15) 3D Wire harness design using Siemens Capital and Catia
- 16) We use and sell Creaform 3D Scanners



ITAR – GSA – DLA registered. SBIR Contract holder for "Large Body Metrology expecting for the F-35 and other large body craft" Phase I and II. DfAM research for the Navy. Fluent with DoD and DoD Prime vendors. Primary markets include mechanical and aerospace engineering and design projects for the Navy and the Air Force.

Past & present projects include:

- The Navy – 900' Sealift vessel
- Utility Global - Hydrogen power plant
- Amazon.com - **1,000,000** 3D CAD files
- Missile, weapons, and Satellite designs such as LeoStella
- Astra Aerospace – Space-based rocket engine design
- Byton – Catia autonomous electric cars (think of the Tesla S)
- Litton Ingalls – A Catia project for the Gerald R Ford-class carrier
- Central Arizona and Memphis Power and Light, 5-year 40,000 & 55,000 Legacy to CAD projects
- Providing several Creaform Metrology grade scanners to the Air Force, Lockheed, Bell Flight, and others



We deliver only Cad Perfect CAD conversion® work. With certified experts in Catia, Siemens NX, PTC Creo, Solidworks, and AutoCAD.

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