



CAD / CAM Services Capabilities 2022

CAD / CAM Services is an SDVOSB, and we are excited about the potential to engage with your agency directly. Established in 1988, we have developed a proven track record with the Federal Government and other large Commercial Clients. Our firm can provide your agency with safe and trusted services, making it easy to do business with us. Over the last 32 years, we have developed exceptional talent in the industry of CAD Engineering, Additive Manufacturing, 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.

We look forward to working with you and your agency.

Core Competencies

- Convert old blueprints/technical drawings to CAD
- The sale of 3D scanners and 3D Printers
- Converting technical drawings into CAD
- Legacy Mylar to CAD Conversions
- Engineering & CAD Simulation
- Additive Manufacturing
- Reverse Engineering
- Generative Design
- CAD Engineering
- 3D Printing

NAICS Codes

- 541340** - Drafting Services
- 541330** - Engineering Services focusing on CAD Engineering
- 541512** - Computer Systems Design Services
- 541690** - Other Scientific and Technical Consulting Services
- 561320** - Temporary Help - Limited to CAD Drafting
- 333240** - Additive Manufacturing
- 518210** - Scanning - limited to engineering both 2D and 3D, along with Industrial CT
- 423430** - Engineering Scanners
- 333249** - 3D manufacturing printers
- 423830** - 3D Printing equipment
- 561990** - 3D Printing Services Brokers

Differentiators:

CAD / CAM Services has spent 32 years delivering some of the largest and most complex CAD Engineering projects in the world. Our projects range from converting well over 1,000,000 technical drawings for Amazon.com into 2D and 3D CAD files to complex stealth aircraft CAD models for Harris Aerospace and GE Aviation.

CAD/CAM Services
34 years of great customer service!

✉ sales@cadcam.org

☎ (800) 938-SCAN or (972) 978-4288





In our latest Navy project, we converted a 900' Sealift vessel into CAD. Our firm always delivers on-time and on-budget. We know that with DOD and Aerospace, "close is not good enough," so perfection and quality control are paramount to our procedures. We have proven ourselves time and again with the superior quality of our CAD files. Thus, we have copyrighted both Cad Perfect™ and Cad Perfect CAD conversion™. These copyrights signify our company's commitment and proven process.

Communication is key in dealing with very technical data. Thus, we support all trusted and secure media platforms. All our work, constructed with Additive Manufacturing in mind. All of our systems are Fully Secured & NIST Hardened. We can handle anything from the one-off part to large multi-year projects. Your success is our success.



Certifications



FPDS Award History



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Typical Projects

CAD / CAM Services has been a veteran SDVOSB 3D CAD Engineering Services provider for the last 34-years. We are experts in Catia – NX – Creo – and Solidworks for 3D Design and modeling. Common tasks include:

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

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. 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:

- Amazon.com - 1,000,000 3D CAD files
- The Navy – 900’ Sealift vessel
- Central Arizona and Memphis Power and Light, 5-year 40,000 & 55,000 Legacy to CAD projects
- Litton Ingalls – A Catia project for the Gerald R Ford-class carrier
- Byton – Catia autonomous electric cars (think of the Tesla S)
- Astra Aerospace – Space-based rocket engine design
- Utility Global - Hydrogen power plant
- Several 3D scanning of Oil and Gas plants to intelligent 3D CAD interfacing with SCADA
- Providing several Creaform Metrology grade scanners to the Air Force, Lockheed, Bell Flight and many others

We deliver only Cad Perfect CAD conversion® work. We are certified experts in Catia, Siemens NX, PTC Creo, and Solidworks, including most of Catia’s workbenches. Our 3D printing services include 5x HP 5200’s, 2x Desktop Metal Production, and 2x HP 580’s for color printing.

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