CaddFX Prototype Modeling

Supporting all your 3D Printing needs

Bring your idea to reality

CaddFX offers a new generation of rapid prototyping service. Our mission is to allow every Architect and Engineer to make prototype models a common part of their design process. We are dedicated to our customers and this mission.



Caddfx utilizes the Z Corp based 3DP technology which allows parts to be built very quickly and inexpensively, which are excellent for visual aids and concept models. These models can aid in supporting and selling your idea to your customers.

Rapid Prototyping Services

With our extensive experience in rapid prototyping, we present our clients with practical, economical 3D printing solutions for any project.



Buildings



Campus



Site Plans





Mechanical



CaddFX is committed to being the easiest, fastest, and most cost effective source for developing any prototype model for any discipline.

We Support Multiple CAD Software

- ✓ AutoCAD
- ✓ Revit
- ✓ Inventor

√ Sketchup

- √ 3D Studio Max
- ✓ 3D studio VIZ
- ✓ Alias
- ✓ Pro-E
- ✓ Solid Edge
- ✓ Bentlev
- √ Rhinoceros
- ✓ Catia
- ✓ Solid Works
- √ Cosmos
- ✓ Form Z
- ✓ UGS NX
- ✓ Solid Edge
- √ Cosmos
- √ Vector Works
- ✓ Mimics
- √ Microstation

www.caddfx.com

Autodesk[®]

Authorized Value Added Reseller

Silver Partner

We supply software and training for many industries

- ✓ Architectural
- √ Structural
- ✓ Engineering
- √ Geospatial
- ✓ Construction
- ✓ Collaboration

About 3D Printing

3D Printing is used to communicate information and help an organization make better decisions. Accurate communication of any project is a critical part of the decision-making process. A 3D physical model communicates much more information than a flat screen image or paper printout. Physical models allow people to communicate clearly and reach consensus on an idea more efficiently.

3D Printing Benefits

- ✓ Sales & Marketing
- ✓ Gain competitive advantage
- ✓ Communicate your idea
- ✓ Assist in planning process
- ✓ Display physical concept
- ✓ Detect design issues
- ✓ Reduce time to market
- ✓ Improve decision making

CaddFX Design Support

- Architectural Services
- BIM Modelina
- Mechanical Design & Engineering
- Drawing scanning
- Drawing conversion
- Reverse Engineering
- As-Built & Point Cloud Documenting



877-422-3339

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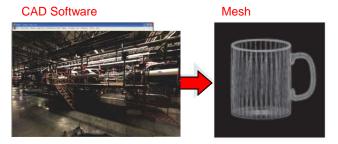
How 3D Printing Works

All prototype parts generated begin with a 3D file format, including .stl, .wrl, .ply, and .sfx files, which we support all leading 3D software packages. These file formats are imported into our printing software and are prepared to be developed as a physical prototype.

3D Printing Process

CAD software exports files in standard formats for 3D printing

The exported file is a mesh that encloses a 3D volume.



The print software slices the 3D model file into hundreds of digital cross-sections, each corresponding to a layer of the model to be printed



Each layer is printed one atop the other until the model is completed.



All parts are built at high accuracy from a starch or plaster powder and have reasonable strength durability. and The surface quality can be enhanced through various post processing techniques. A part is created in subsequent layers by binding a starch plaster powder according to the geometry of the part cross-section that is calculated for each layer.

The 3D printing process creates an exact physical model of the geometry represented by 3D data. Process time depends on the height of the part or parts being built.

After the part is printed it is infiltrated with cyanoacrylate (superglue) and epoxy. Our printing process allows parts to be printed in full color, just like an inkjet printer.

Experience the Power of CaddEX AEC Solutions"

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