CECS Garage

Dimension uPrint 3D Printer
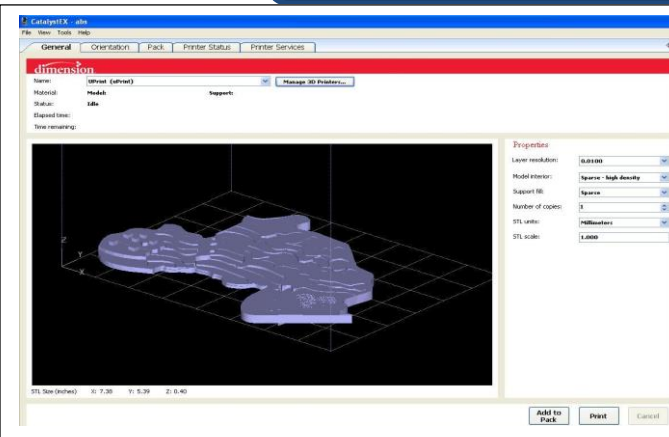
Setup

You've decided that you want to 3D print something. Whether you made it in SolidWorks or imported it from thingiverse, we suggest having the file ready in a ".stl" format. uPrint is designed with ultimate simplicity in mind. The system enables you to build parts quickly, even if you've never used a 3D printer before.

CatalystEX Software

Open the part in the CatalystEX Software. Under the general tab you can select the model fill and support style along with changing the STL units and scale. The orientation tab allows you to rotate and resize parts. You can also change the view and auto orient your part or insert a pause. With the pack tab you can see which parts are in the pack for printing. You can add parts, move the parts around to make a better fit or clear the pack from this section.

Building a Part

If a part has not been sent to your printer for building, the build queue will be empty. If the build queue is empty the display panel will show **Idle** or **Ready to Build**. Choose whether or not you want to start a build from a remote location or from the display panel at the printer.**Starting a build from a remote location:** The lower display will show **Wait for Part** and it will be flashing.

1. From the display panel press **Wait for Part**. The display will ask **Is Model Base Installed?**

2. Insert a modeling base.

3. Press **Yes. Waiting for Part** will now be on the display.

4. From your CatalystEX workstation, send a part to the printer. The printer will automatically start to build the part.

Starting a build from the display panel:

1. From your Catalyst EX workstation, send a part to the printer. The display will show **Ready to Build** and the name of the first file that is in the queue waiting to be built.

2. From the display panel press **Start Model** to start building the part.