



## Z Corp 3D Printer Competitive Advantages

### Patented and Industry Proven

Developed in 1992 at MIT and commercially available from Z Corp since 1996, the Z Corp 3D printing technology is protected by dozens of patents on the process and materials. No other equipment on the market works like a Z Corp 3D Printer. The Z Corp 3D printer is the fastest, most affordable and only color 3D printer on the market.



Z450 3D Printer

### 3D Color Printing

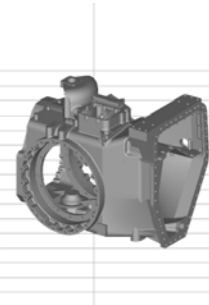
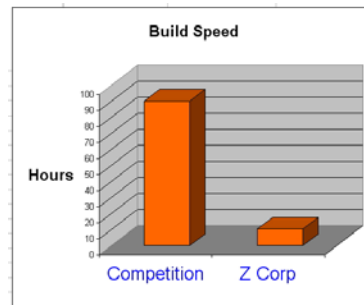
Z Corp 3D printers are the only rapid prototyping machines that print in 3D color. All other technologies on the market can only print one color at a time. 3D color is very important for analysis, assemblies, architectural, GIS, medical applications and more.



3D Color Model

### Worlds Fastest Prototyping Machine

The Z Corp 3D Printer technology is 8 to 12 times faster than any other rapid prototyping machine on the market. This means you have your prototypes in hours not days. This is especially critical for building large models or many models. In this example the part build time is under 10 hours on the Z Corp machine and over 90 hours on the competitor's machine.



Much faster build times

### Material Recycling

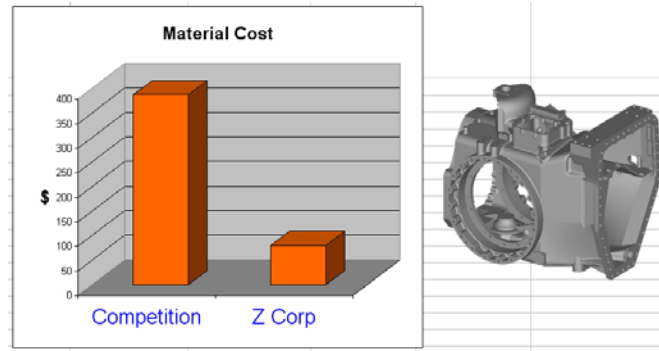
The Z Corp 3D printer is the only 3D Printer that reuses all of its unused material. All other 3D printers have waste products that must be disposed of. Some of the competitor's waste materials have environmental issues and require special deposit procedures. Z Corp materials are all environmentally friendly and office/classroom safe. The unused material is used over and over making it the only "green" rapid prototyping machine on the market. This also saves our customers a lot of time and money.



Material is recycled automatically

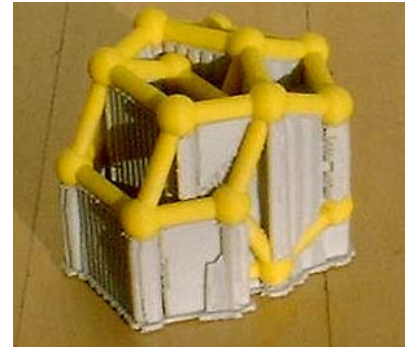
## Material Cost

The Z Corp 3D Printer technology build materials are 3 to 6 times less expensive than any other rapid prototyping machine on the market. This saves you money and allows you to make many more prototypes during your design process. For educational institutes this means every student will be able to build a prototype model.



## No Support Structures

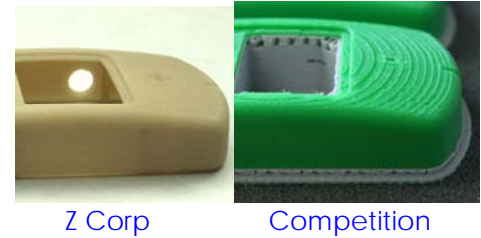
Support structures are not required using the Z Corp technology. Other rapid prototyping machines require supports to build a model. These supports must then be removed manually using sharp tools and knives or with a chemical bath system. This process costs extra money, requires extra time to remove and affects the appearance of the part. In addition, the waste product must be disposed of.



Support structures waste time and money and require removal with sharp tools

## Surface finish and part detail

Z Corp 3D printers create parts with a layer thickness of .0035". Most other 3D printers create parts at a resolution 2.5 to 4 times thicker. The smaller the layer thickness the better surface finish and part detail that can be accomplished. This is extremely important for small models like medical devices, architectural models or prototypes that are going to be painted and used as an appearance model.



Surface finish analysis

## Versatility

Z Corp 3D printers offer numerous material choices for the ultimate in application versatility. Patterns for casting, functional parts, architectural models, analysis study models, color assemblies, GIS terrain models and much more. No other 3D printer offers as much versatility as the Z Corp technology does.



Unmatched versatility