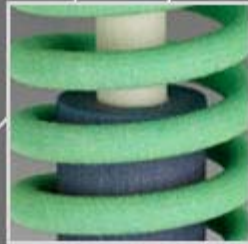


Z Corporation 3D Part Making



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Northeast
SHINGO PRIZE
for EXCELLENCE in MANUFACTURING

Winner of the Northeast
Bronze Shingo Prize **2006**

3D Part Making Process



3 Simple Steps



Step 1: Printer Setup



Step 2: Removing Your Part



Step 3: Post Processing (2 Options)

Step 1: Printer Setup

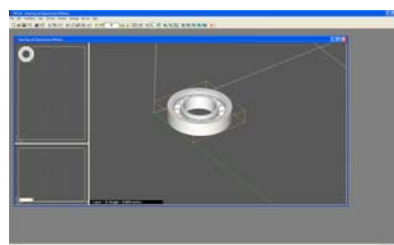
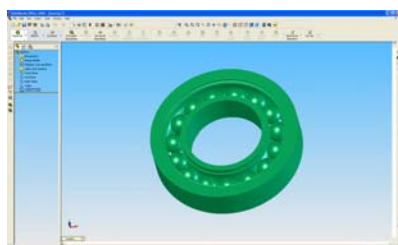


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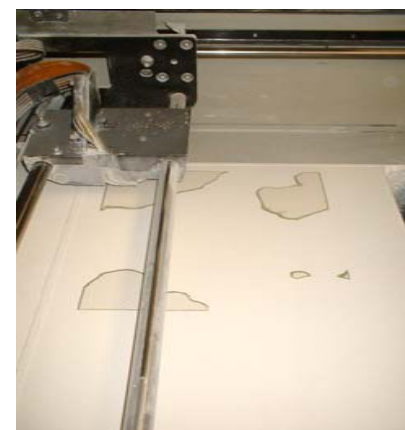


- 1 Fill feed chamber with powder & level off.
Fill fluid (binder & wash) bottles.
Check waste bottle and overflow bucket levels.

- 2 Spread powder to fill build chamber.



- 3 Import your CAD/model file into ZPrint.
Add color & textures in ZEdit, as required.



- 4 Print your part.

Step 2: Removing Your Part



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To help remove powder, a variety of vacuum attachments are supplied with the ZD5 powder recycling system.

Vacuum carefully around the part to remove as much powder as possible.

Once excess powder has been removed, simply lift the part carefully out of the printer, and set on a tray.

The ZD5 powder recycling system will allow you to reuse the powder that you just vacuumed, for future print jobs.

Use your ZD5 powder recycling system air brush to quickly remove any remaining powder.

With the air brush, you can easily remove trapped powder within a part.



ZD5 Powder Recycling System

Step 3: Post Processing (Option 1) Infiltrating With Z-Bond

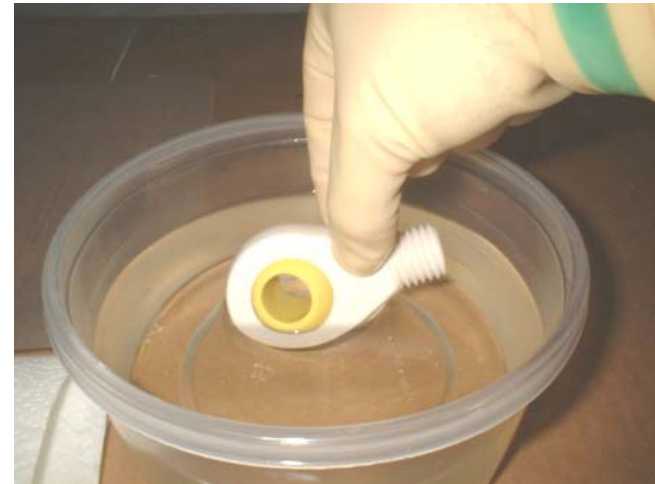


The fastest way to infiltrate your printed part is to dip it into a container filled with Z-Bond, a cyanoacrylate specifically designed to optimize raw part infiltration.

Dipping

Quick and simple method that assures the best surface penetration and surface finish.

- 1) Dip part into Z-Bond and let soak for ~3 sec.
- 2) Remove part and quickly remove excess Z-Bond with a paper towel.
- 3) Place part on wax paper and let dry for 15 min.



Dripping

Recommended for thin or delicate part geometries.

- 1) Drip Z-Bond onto part.
- 2) Quickly remove excess Z-Bond with a paper towel.



Step 3: Post Processing (Option 2) Infiltrating With Z-Max



Z-Max is a two-part epoxy developed to attain specific properties for your printed parts. If you need high strength or better service temperatures, this inexpensive infiltrant is the best choice.

Dipping

Quick and simple method that assures the best surface penetration and surface finish.

- 1) Dip part into Z-Max and let soak for ~3 sec.
- 2) Remove part and quickly remove excess Z-Max with a paper towel.
- 3) Place part on wax paper and let dry for 15 min.



Brushing

Recommended for very large parts or parts with thin or delicate features.

- 1) Brush on Z-Max
- 2) Quickly remove excess Z-Max with paper towel.



Finished Parts - Industries To Target



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Appliances, Architecture, Automotive, Education, Footwear, Molecular Modeling, Packaging, GIS, Medical, Concept Modeling, FEA...

