

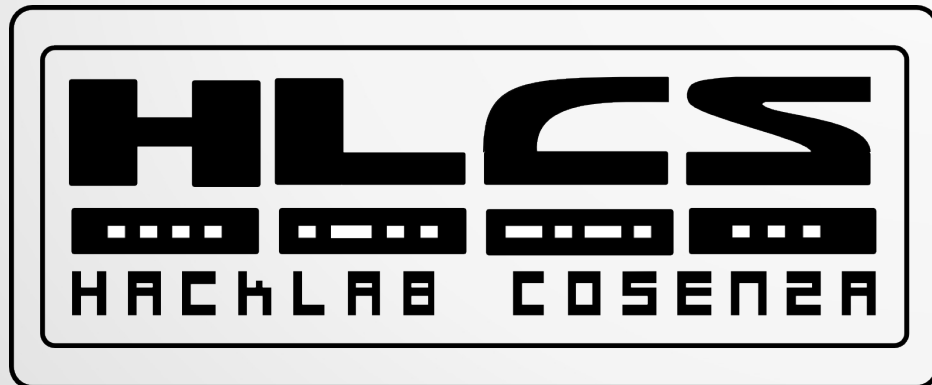
3D PRINTING Module 002 : Model

Martedì 29 Maggio 2014

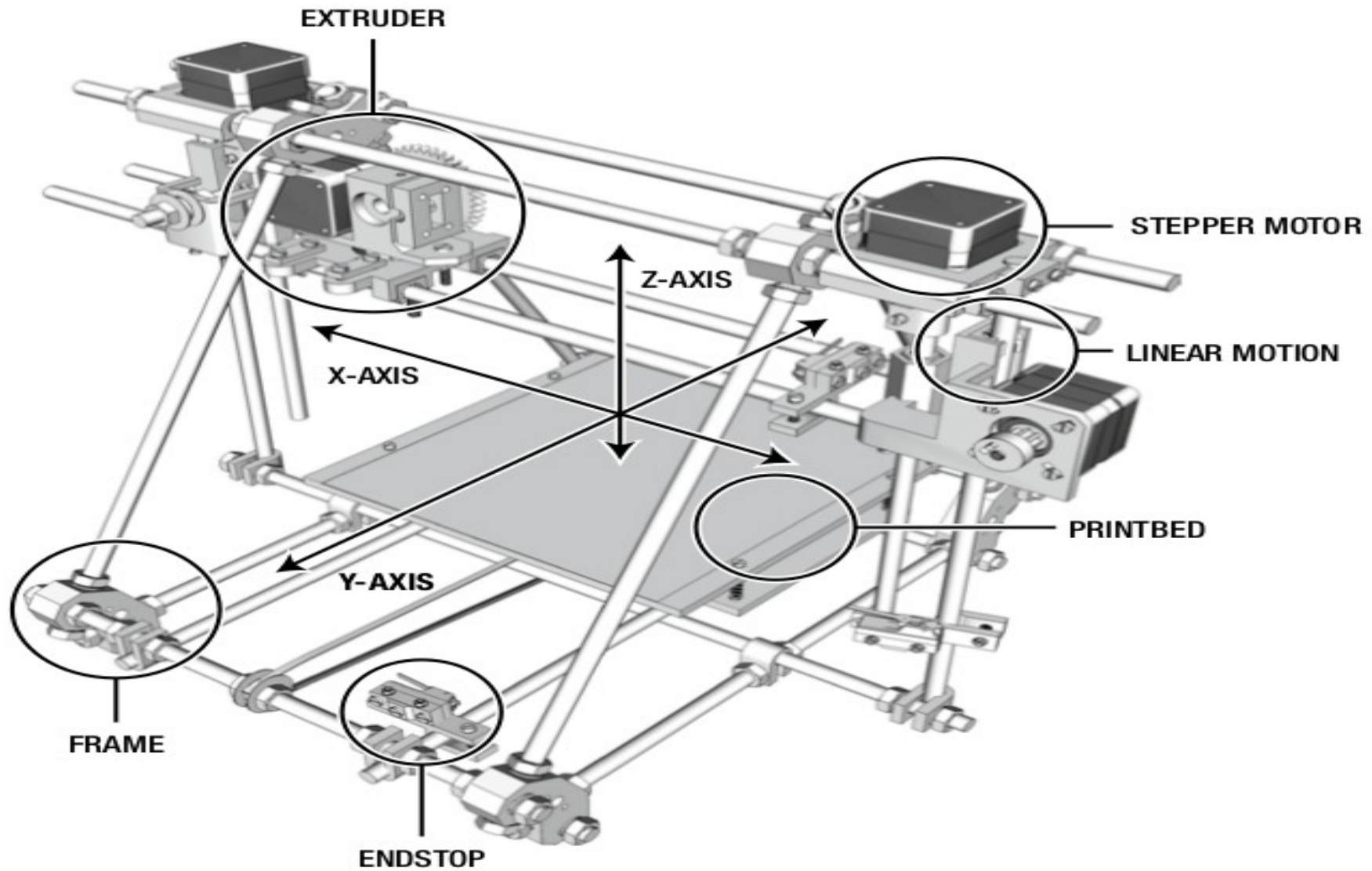
Aula seminari

Centro Calcolo ad Alte Prestazioni

Hacking Laboratory Cosenza



Ci siamo lasciati qui



Web Costi e Negozi

- Reprap (<http://reprap.org/wiki/RepRap>)

- Consumabili:

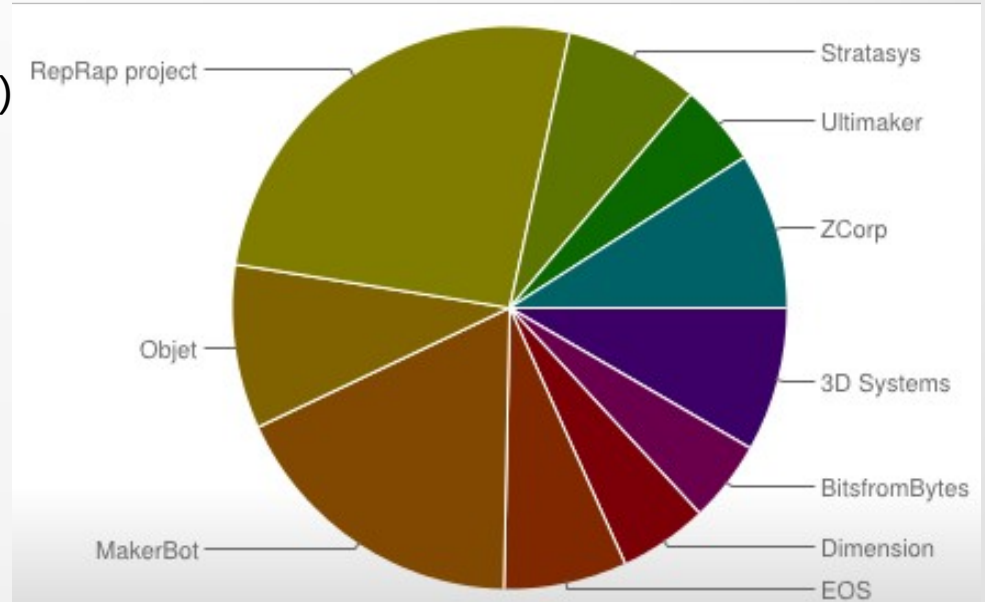
- MakerBot Industries (<http://store.makerbot.com/plastic.html>)
- Ultimaker (<https://shop.ultimaker.com/en/consumables.html>)
- ProtoParadigm (<https://www.protoparadigm.com/products-page>)
- Faberdashery (www.faberdashery.co.uk)
- Arduiner
(<http://www.arduiner.com/en/171-consumabili-pla-abs/>)

- **Kit Elettronica/meccanica:**

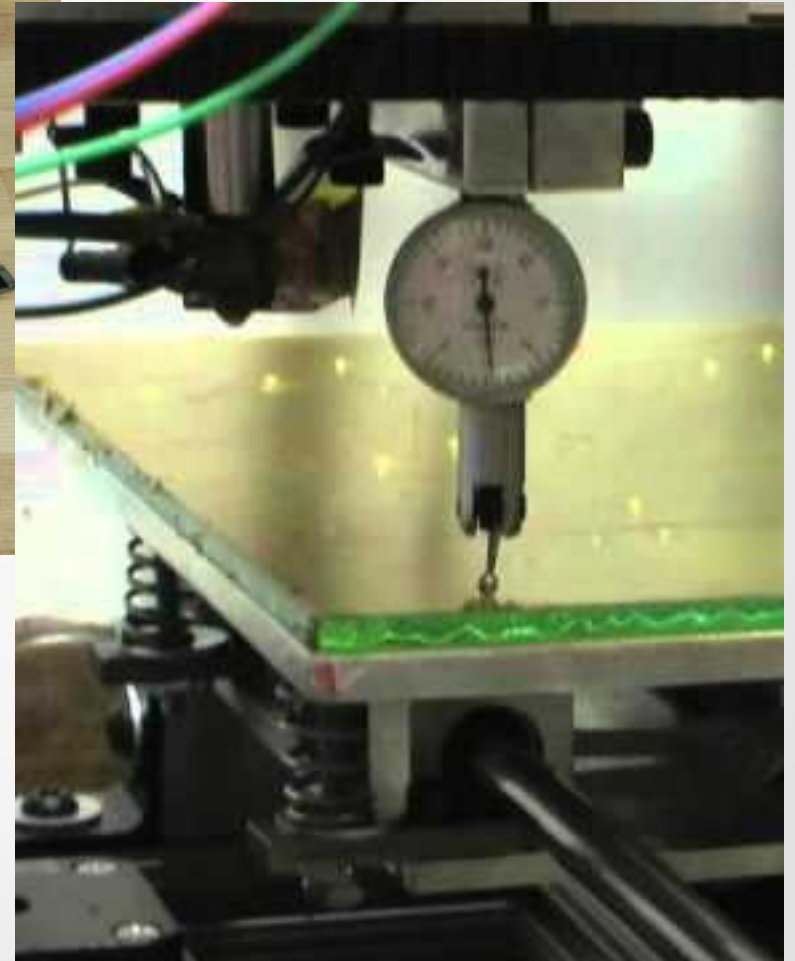
- RepRap Buyers Guide
(http://reprap.org/wiki/RepRap_Buyers%27_Guide/it)

- Non subiscono Obsolescenza Programmata

Which printers (which manufacturer) have you used?



Strumenti : Meccanica



Strumenti: Elettronica



Strumenti : Stampa

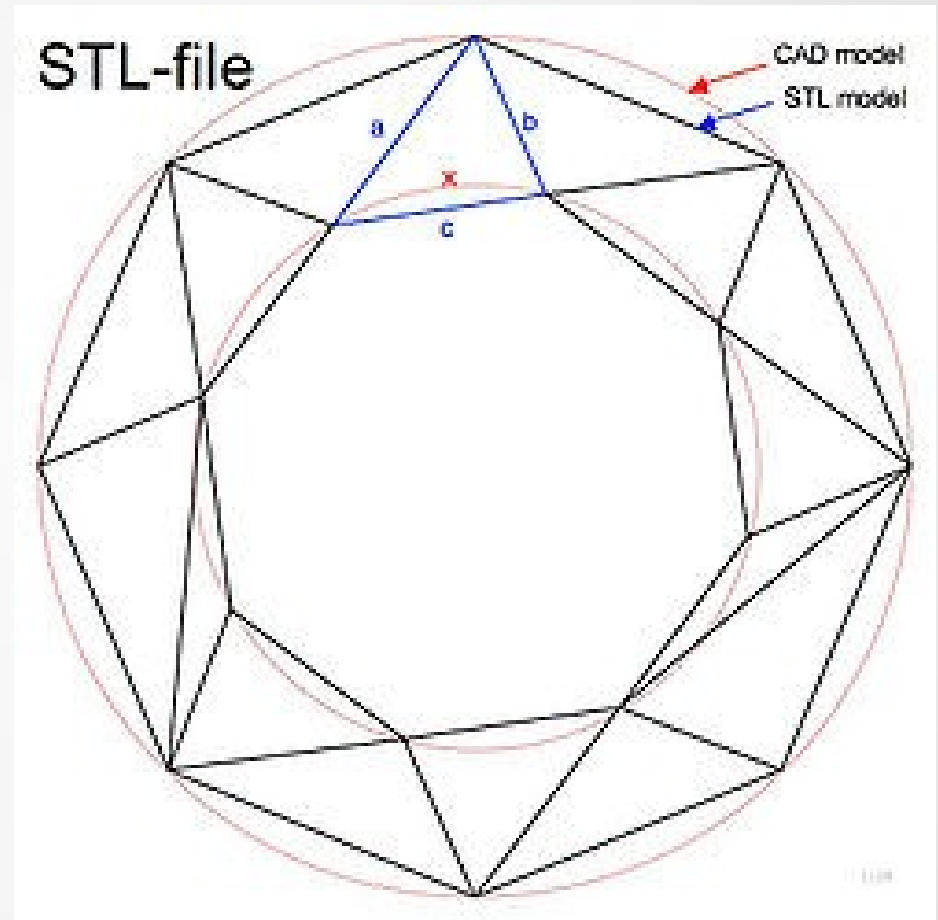


- Alcool
- Lacca per capelli
- Nastro di carta

- Software li vedremo dopo la 3dToolchain

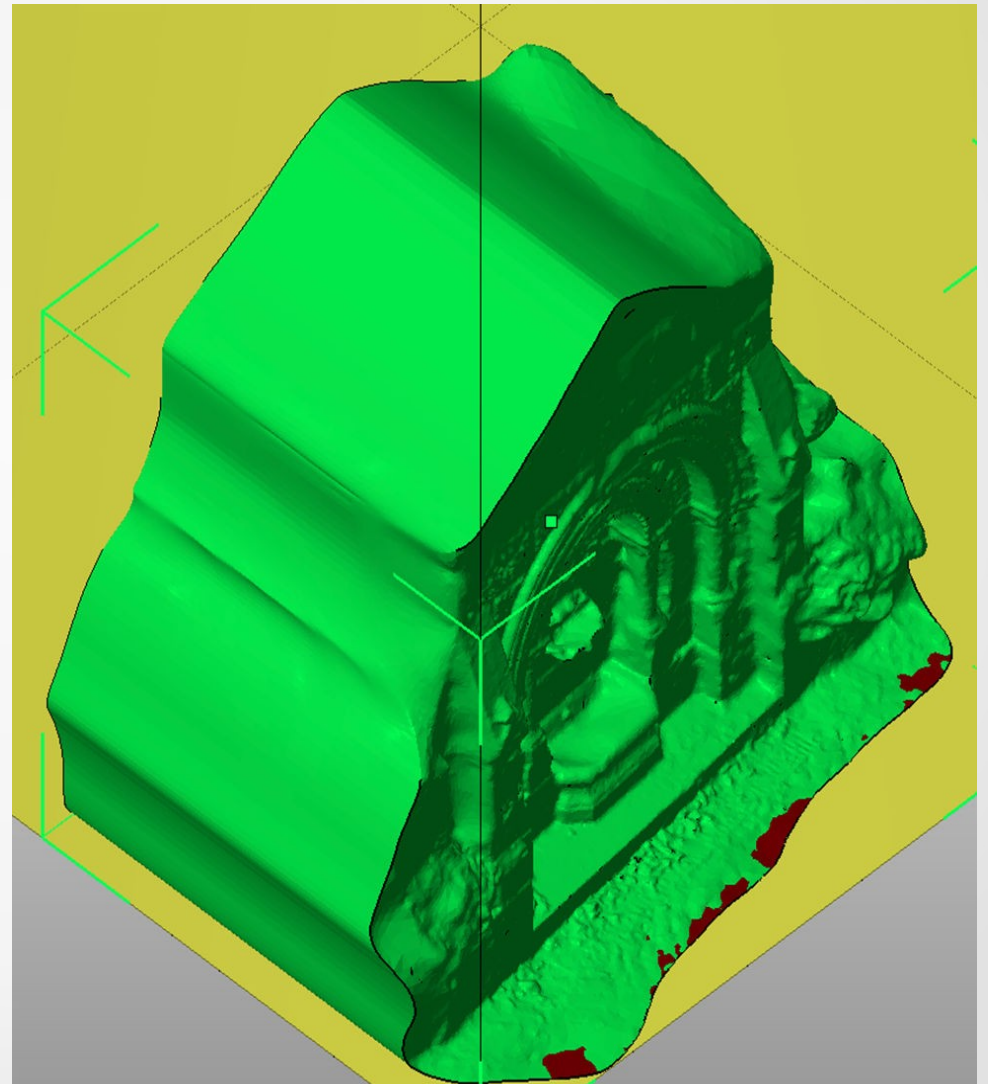
3D Model

- STL (STereo Lithography interface format oppure Standard Triangulation Language)
- Editabili (Parametrica):
 - SCAD (<http://www.openscad.org/>)
 - Sketch Up , TinkerCad (tutorial) (<http://www.sketchup.com/it>) (<https://tinkercad.com/>)
- Proprietari
 - Light-talk: Solid Works
 - <https://www.youtube.com/watch?v=oh2O08a3rXA>



Scanning

- Cleanind and repairing Scans for 3D printing:
<http://vimeo.com/38764290>



Sites

a MakerBot Industries website

THINGIVERSE

THINGS TOOLS BROWSE BLOG

Welcome, friend.
Please [\[REGISTER\]](#) or [\[LOGIN\]](#) to rock.

Minimalist NYC buildings

Digital designs for real, physical objects. A Universe of Things!

- Thingiverse: (<http://www.thingiverse.com/>)
- Shapeways: (<https://www.shapeways.com>)


a MakerBot Industries website

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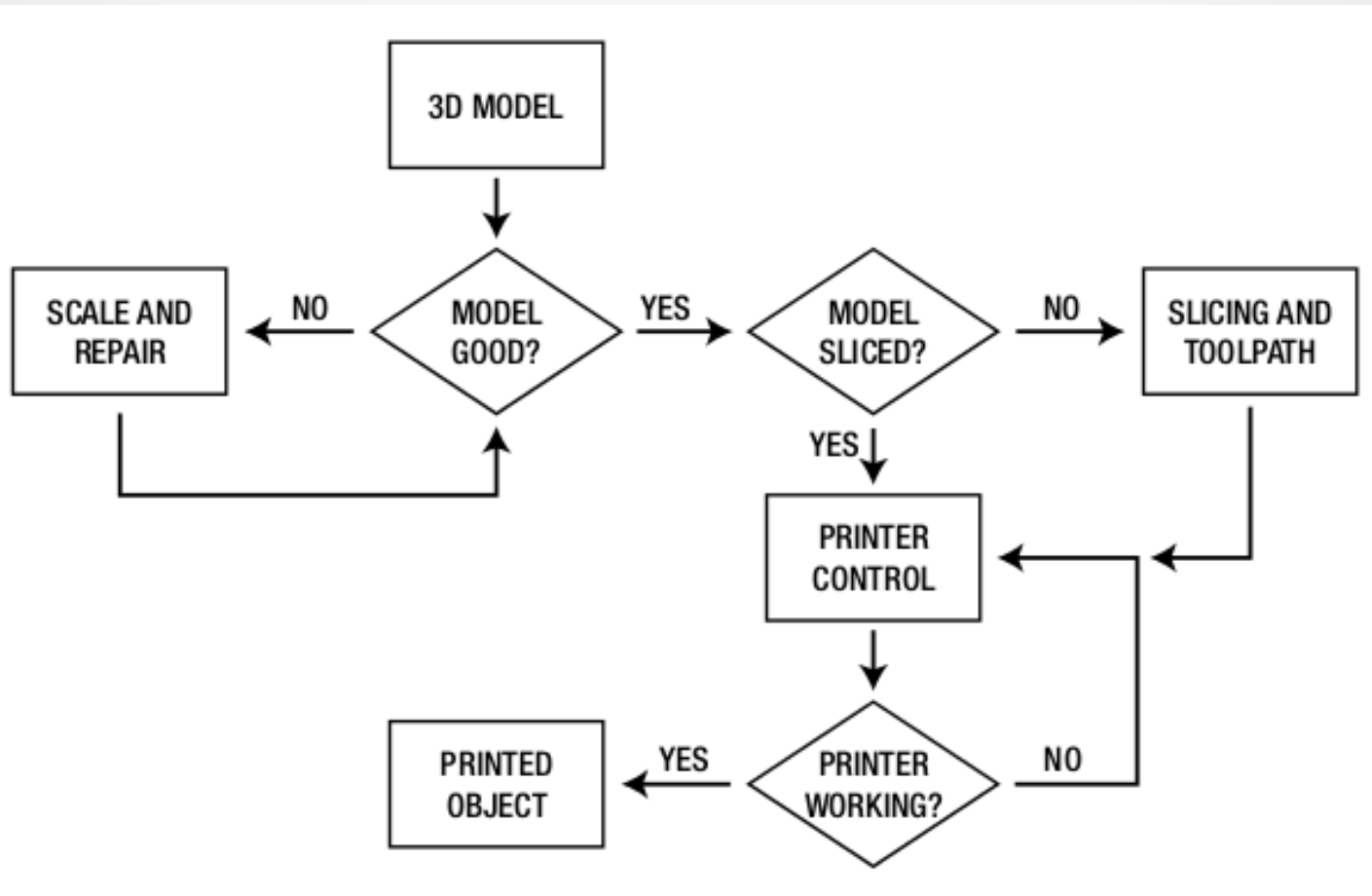
Minimalist NYC buildings

Created by [JonMonaghan](#)

Created on Oct 21, 2011

I can't take all the credit, many of them were based on google earth/warehouse models. But here they are fixed up and ready to print.

3d printer toolchain



installare Slic3r (Sclic3r is Nic3r)

- <http://slic3r.org/>



Next 27 May 2014

Prossimo Ligh talk:

STL e Gcode

- 3D Print ToolChain
- Slic3r is Nicer (config base)
- Printer Setting (advance with visual example)
- Repetier Host
- 3D Modelling Software (Base or Advance ?? choose you)



Grazie

Centro di Calcolo ad Alte Prestazioni
Università della Calabria
Hacking Laboratory Cosenza
20 Maggio 2014