

**Slicer test: overhang, support and wall thickness.**

Bart ter Haar


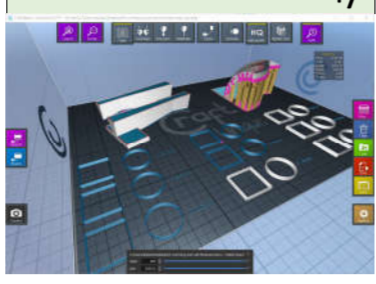
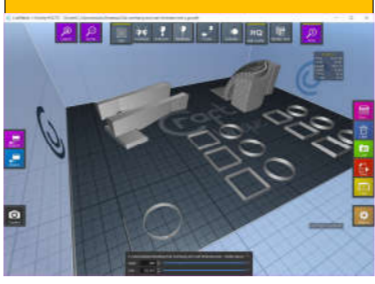
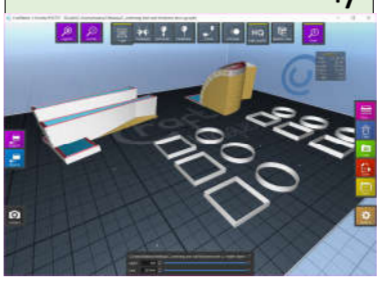
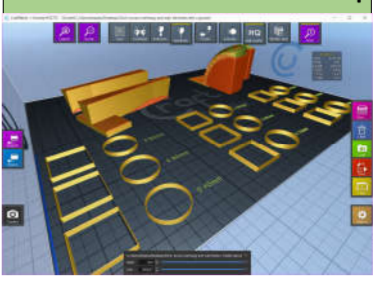
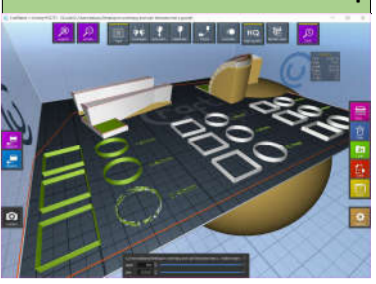
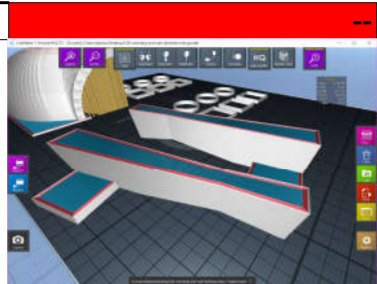


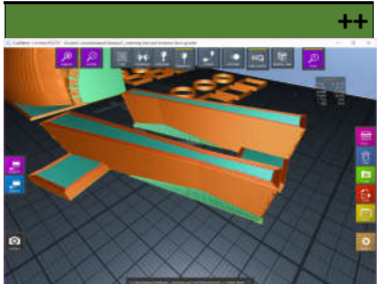

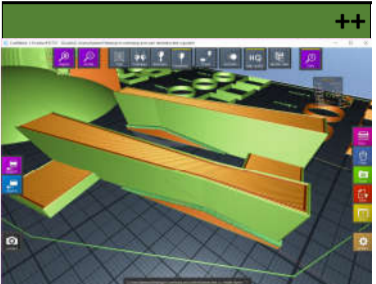
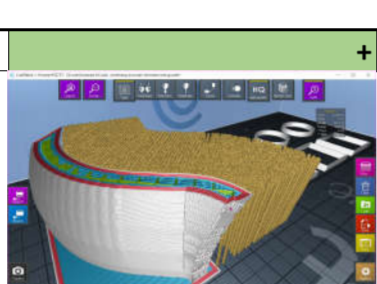
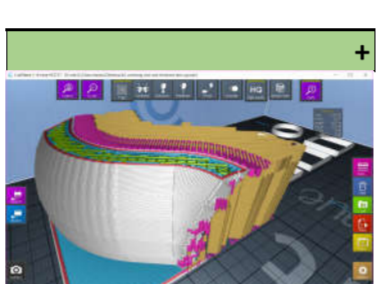
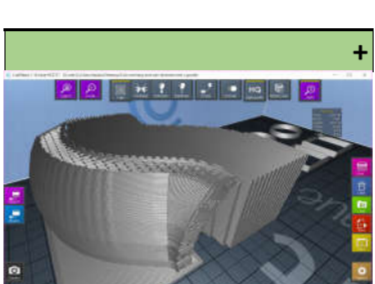
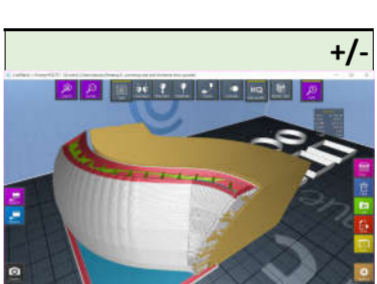
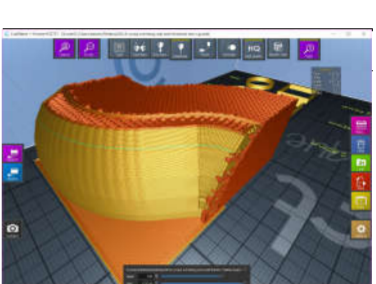



















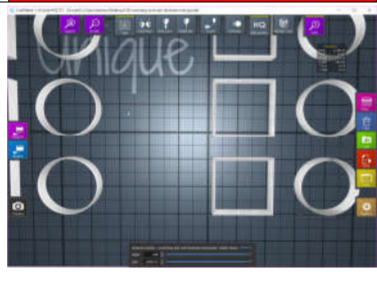
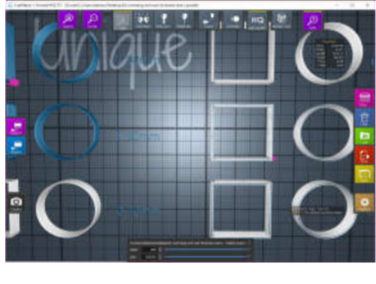
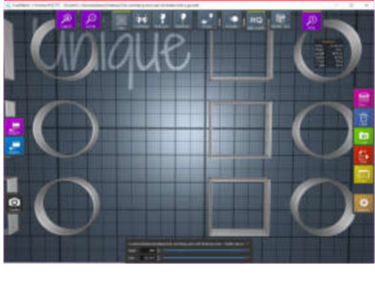
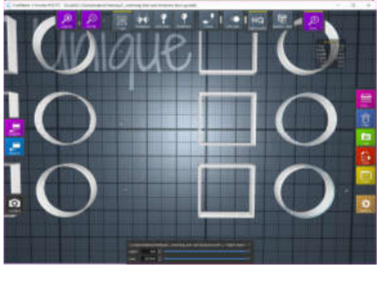
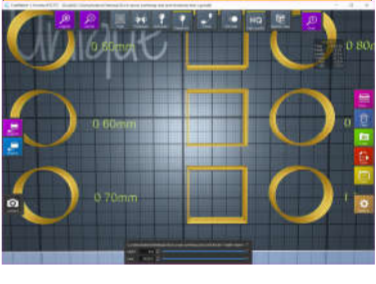
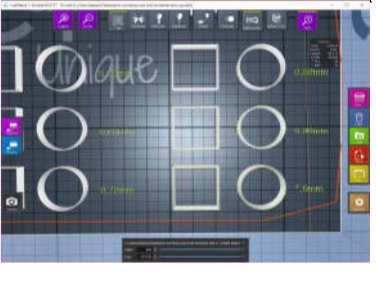
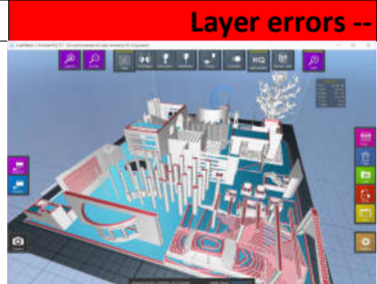

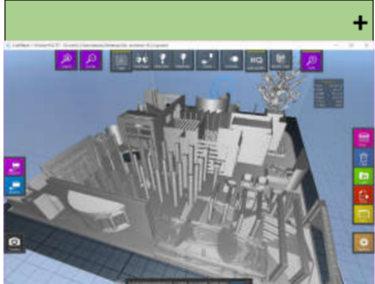

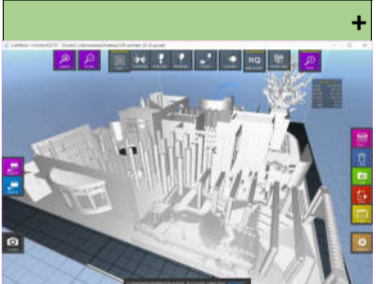









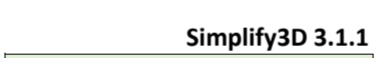
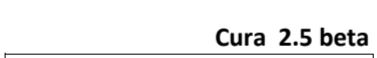
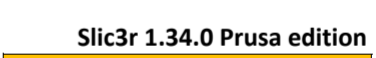







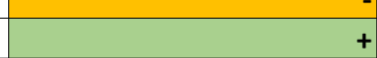







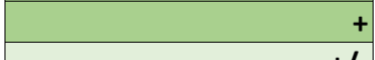

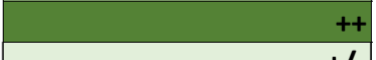










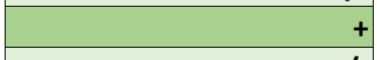
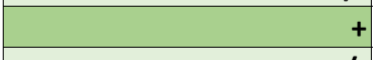
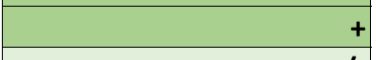







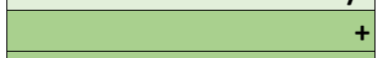

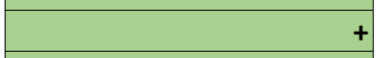
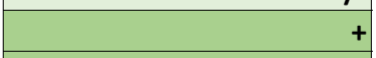


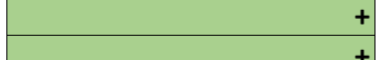


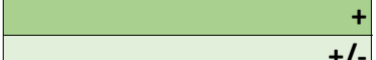



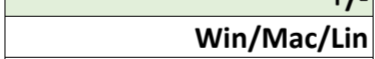

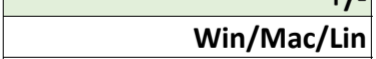
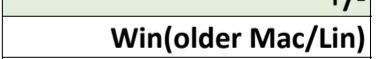








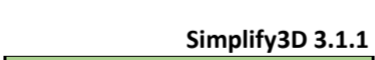

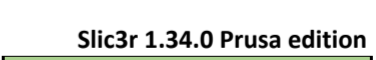







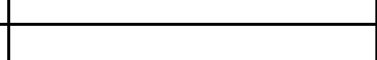


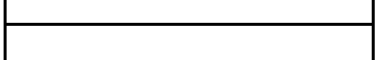


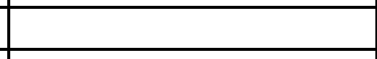





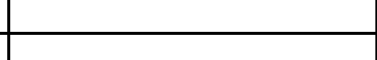





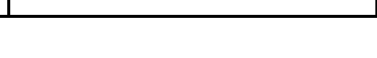


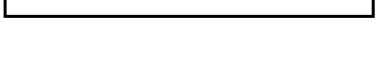

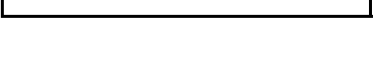
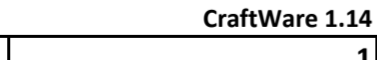
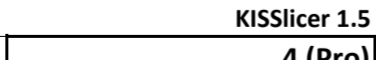
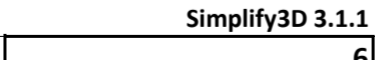
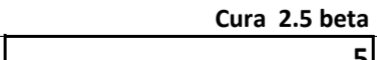
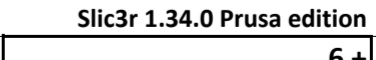
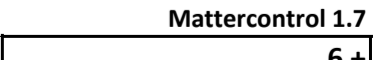
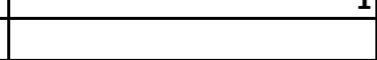

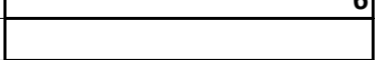
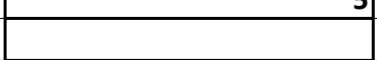
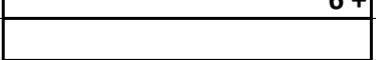
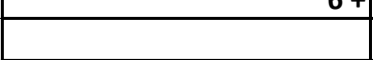



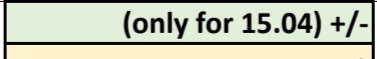







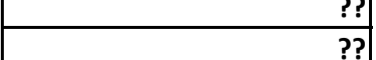

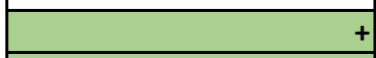



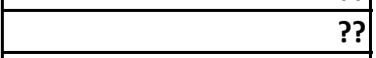





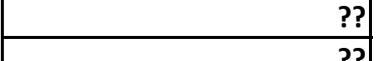
[www.CraftBot.nl](http://www.CraftBot.nl)

5-4-2017

Using the Support test object of the great Sandor (Psanyi), and my own test objects.  
 Settings: 0.2mm Layer height and 0.4mm Path width.  
 The Gcode imported in CraftWare to have the same 'look and feel'.

<http://www.thingiverse.com/thing:2225140>  
<http://www.thingiverse.com/thing:875237>

The test results are reviewed just as slice results. Some tweaking to do for some slicers to get printable Gcode for the CraftBot.

	CraftWare 1.14	KISSlicer 1.5	Simplify3D 3.1.1	Cura 2.5 beta	Slic3r 1.34.0 Prusa edition	Mattercontrol 1.7
General result						
Automatic support detection of small areas						
Automatic support generation with a given angle						
Manual support placing						
Support interface tweaking						
Thin wall detection						
Filling extrusions in remaining gaps between loops (Crowning)						
Architectural objects slicing general						
Printing small islands and logical path						
Influence seam placing						
Bridging						
Dimension tweak (XY compensation)						
different layer height on layer range						
Support accuracy using small Nozzles as 0.2mm						
Support accuracy using large Nozzles as 0.8mm						
Forgive small stl errors						
Vase mode (spiraling the perimeter)						
Speed of slicing						
Number of settings / tweaks						
3D Gcode preview						
Simple Installation / first user / school slicer						
OS	Win (old Mac and Lin)	Win/Mac/Lin	Win/Mac/Lin	Win/Mac/Lin	Win/Mac/Lin	Win(older Mac/Lin)
Price	Free	Free/\$42	\$140	Free	Free	Free
Everyday General slicer						
Thin Wall slicer with crowning						
Architectural model slicer						
Tweakable specialist slicer						
Great support generating slicer						
Out of the box performance as large layer heights						
Dual or More extrusion	1	4 (Pro)	6	5	6 +	6 +
Stacking (small layer perimeter, large infill and support)						
Profiles available for the CraftBot						
Bug solving / listening to customers						
Host for direct steering the CraftBot	CraftPrint		??			??
Interface easy for different printer types						
Logical Interface						
Wow Interface and info feedback	