# How to use 3D Printer

# 3D printer



Cubicon

# Process of 3D printing

- 1. Modeling (Rhino, 3D max, Maya, Solidworks, etc...)
- 2. Save as STL file.
- 3. Slicing program (Cubicreator) execution and settings.
- 4. Convert STL file to Gcode
- 5. Save to SD card
- 6. Printing

### Cubicon

- Input file type: .st
- Slicing software : Cubicreator
- Printing Technology
  FFF(Fused Filament Fabrication)/FDM
- Size: 240 x 190 x 200 mm
- Nozzle diameter: 0.4 mm

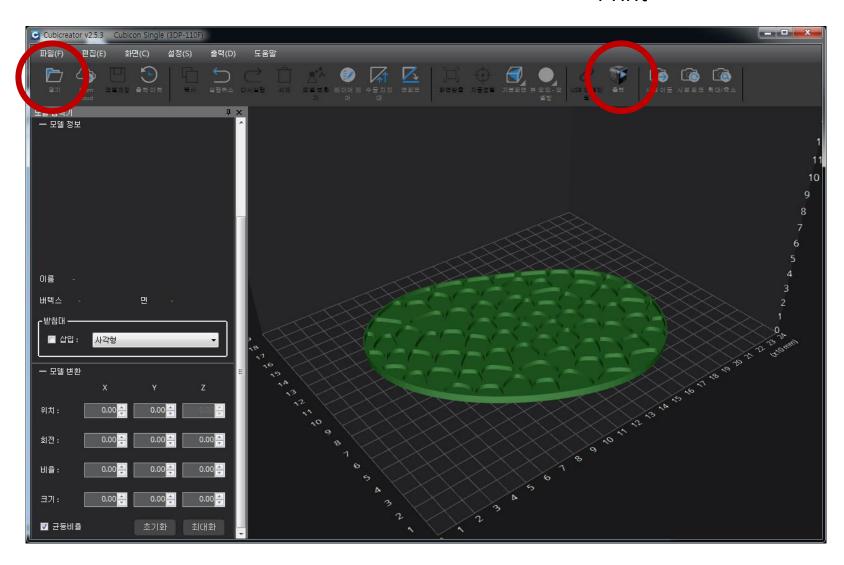
## Cubicreator

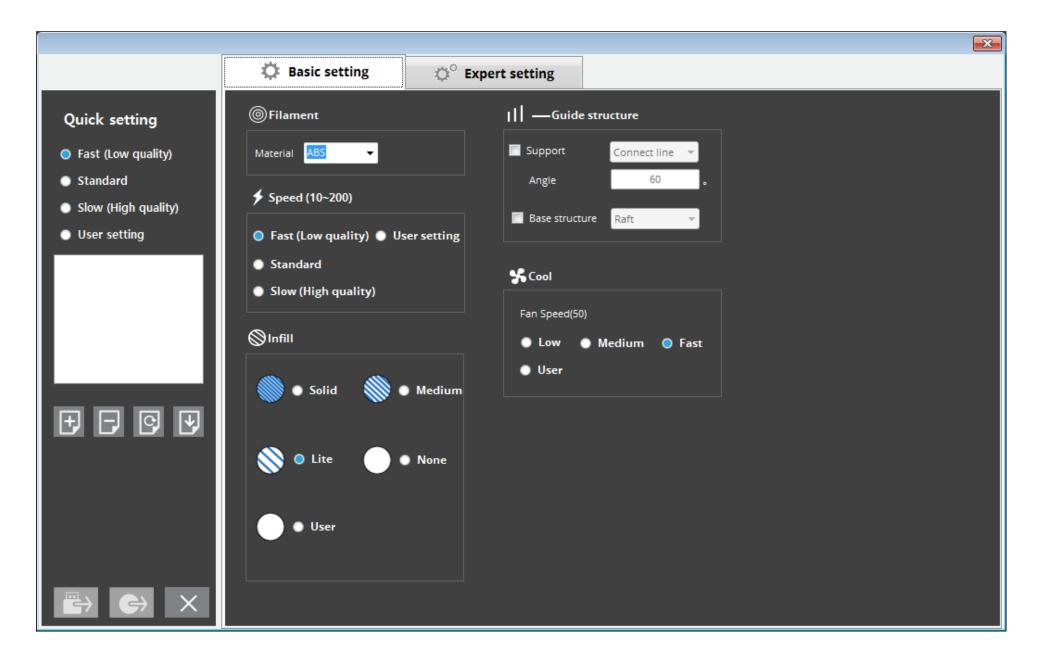
- Import STL file
- Print > Basic setting or Expert setting
- Support, Base structure
- Speed
- Temp.
- Export to hvs. file

## Cubicreator

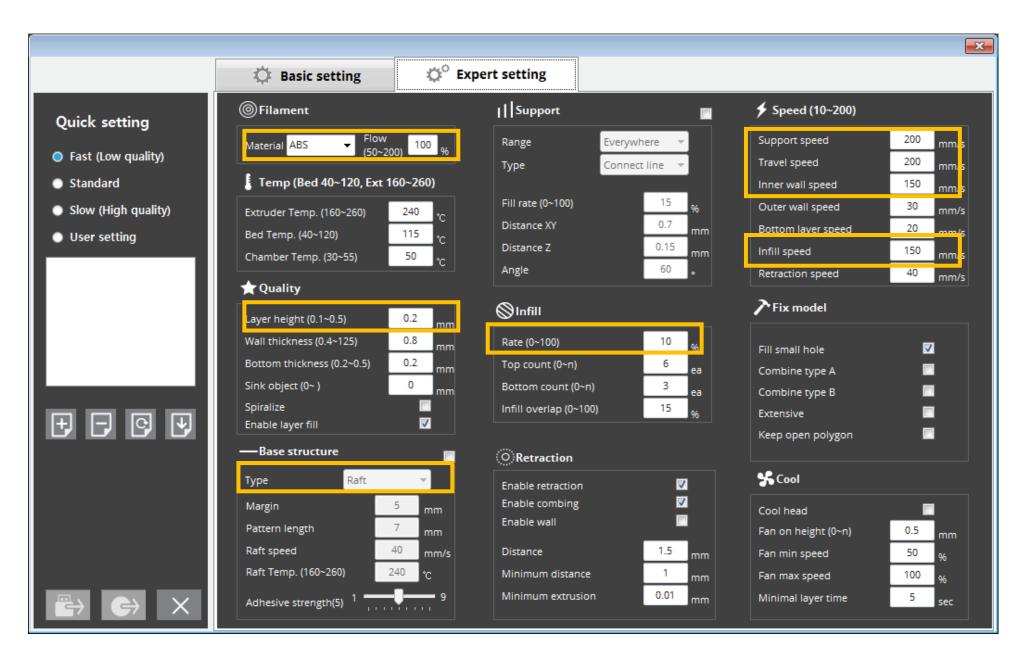
Print

Load

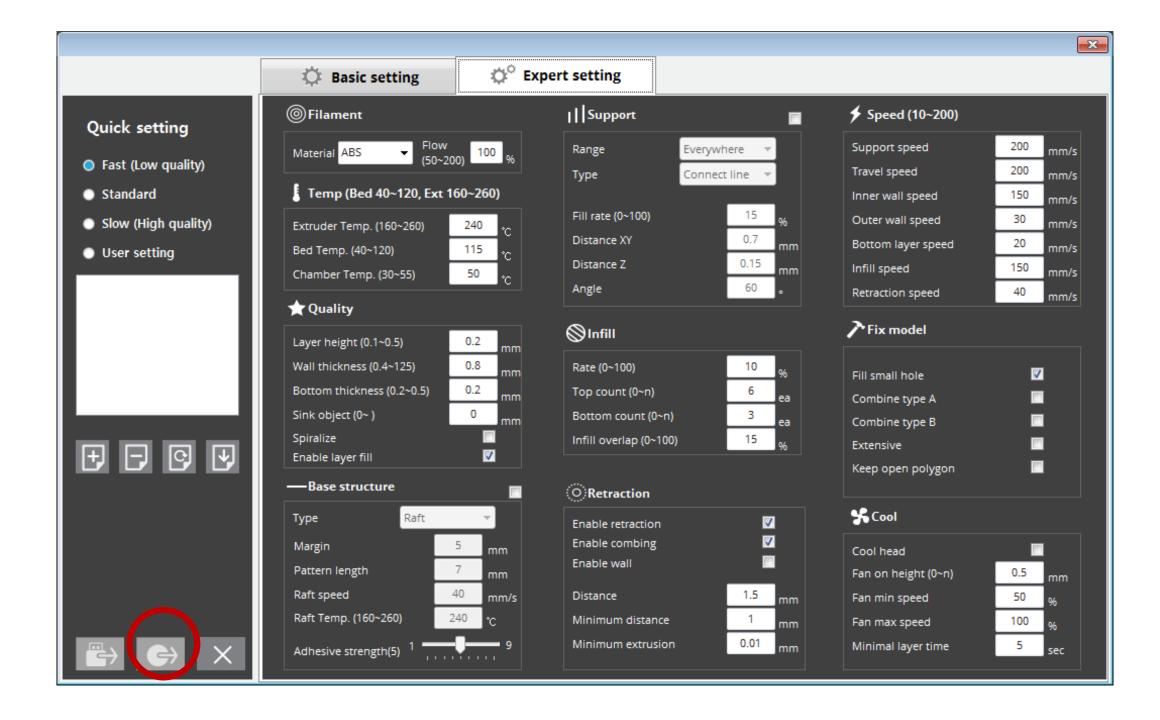


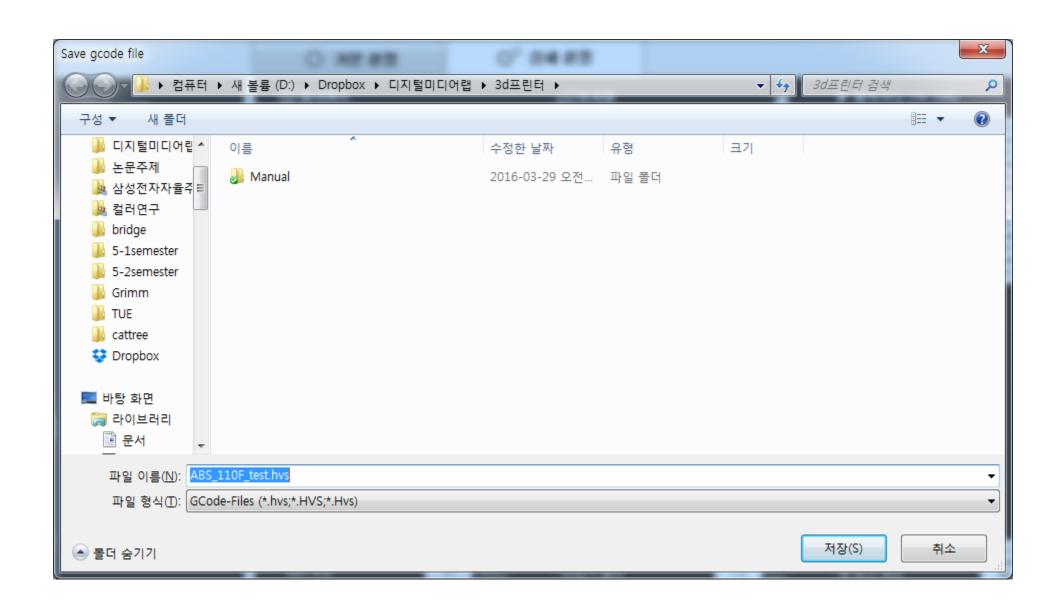


- Material
  - only ABS available
- Quality setting with speed & Infill
- Support & Base structure are optional. (If area under the model is small or model is too high are more likely to fail.)

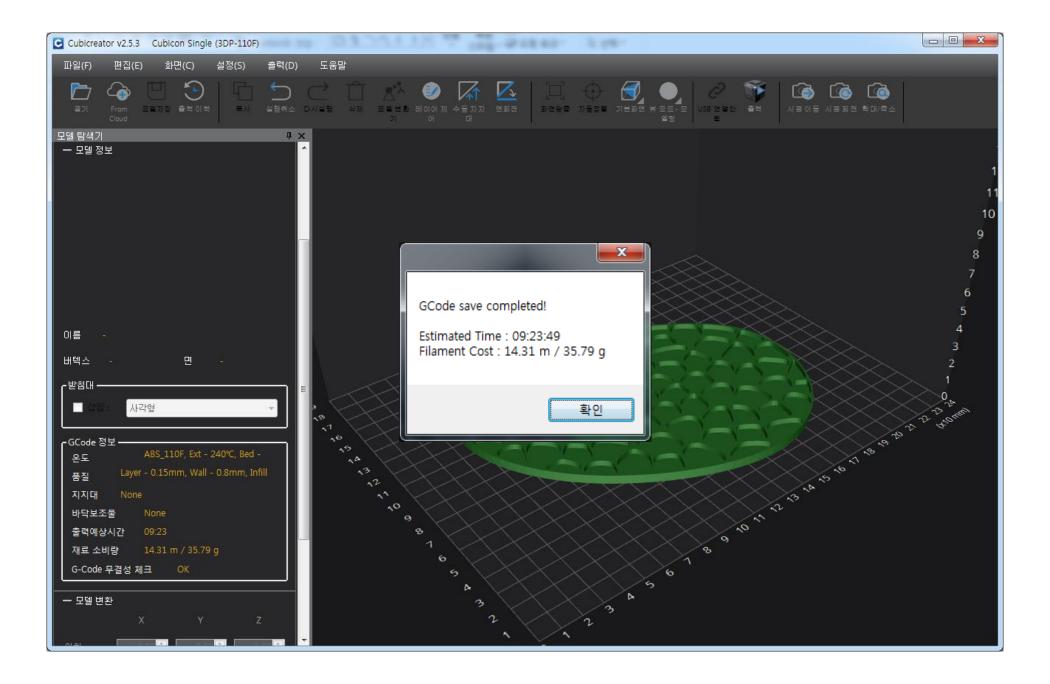


- Filament
  - ABS
- Temp
  - remain default value.
- Quality
  - Layer height
- Base structure & Support
  - Choose only type.
- Infill
  - Rate (A wellbroken model is 15% moderate)
- Speed
- Support speed, Travel speed, Inner wall speed, Infill speed

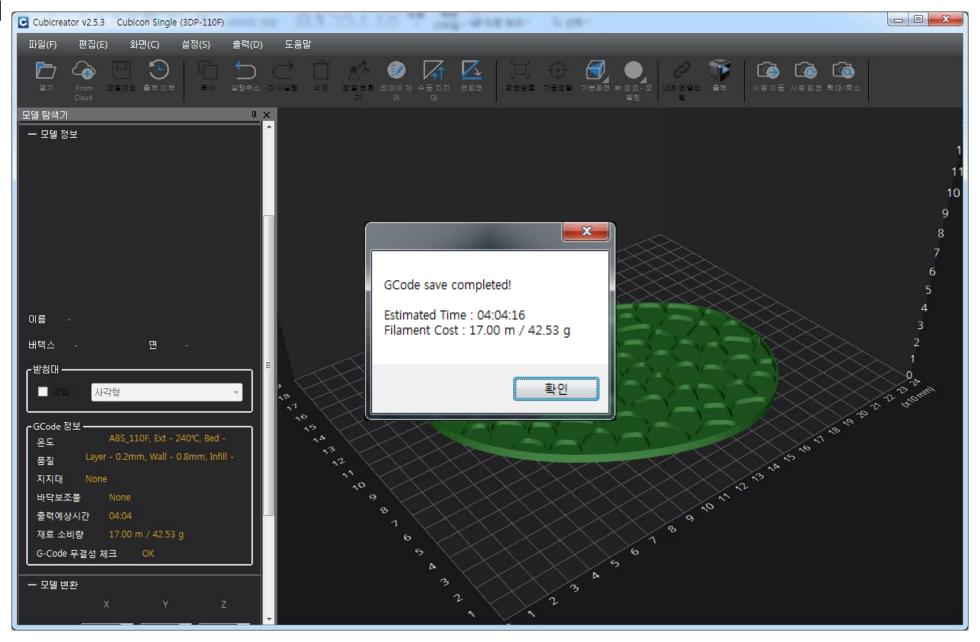




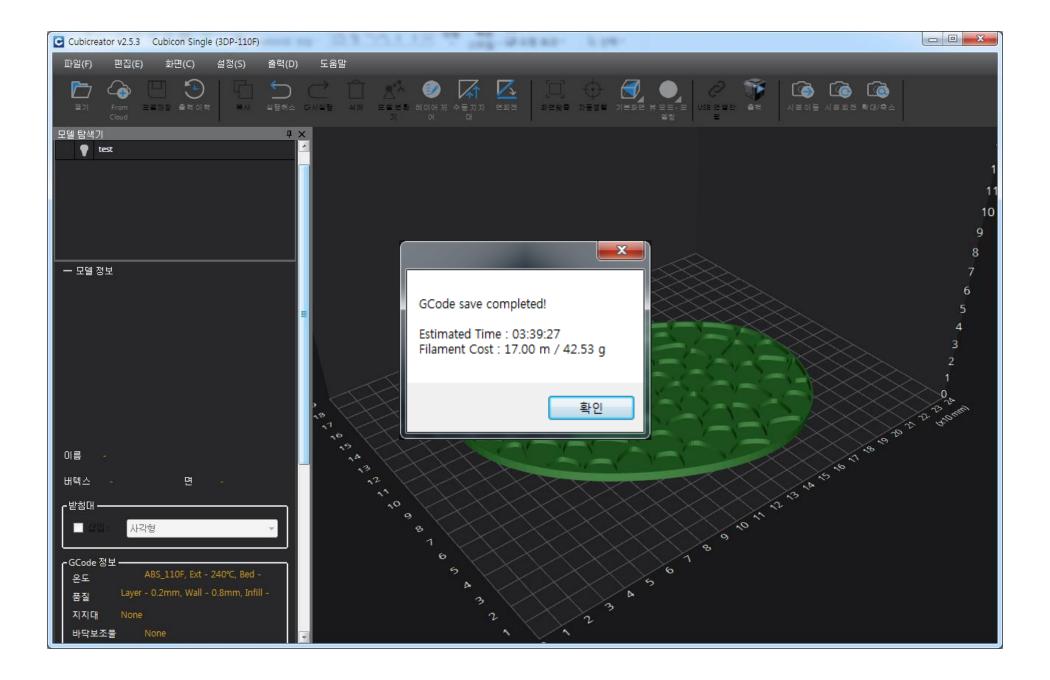
#### Slow



### Standard



#### Fast



### How to use

- Tutorial videos
  - 6. First printing: <a href="https://youtu.be/oyB8w6LwUrY">https://youtu.be/oyB8w6LwUrY</a> (from 0:20)
  - 9. Plug and play: <a href="https://youtu.be/o5g2j1oTQx4">https://youtu.be/o5g2j1oTQx4</a>
- Reboot button: Press the Enter & Back button simultaneously.
- End: Turn off the power button (back of the device)

