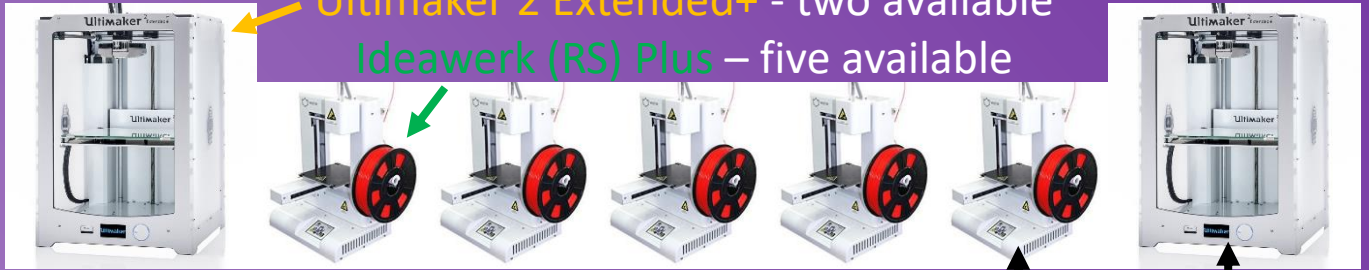


Quick Guide to 3D Printing

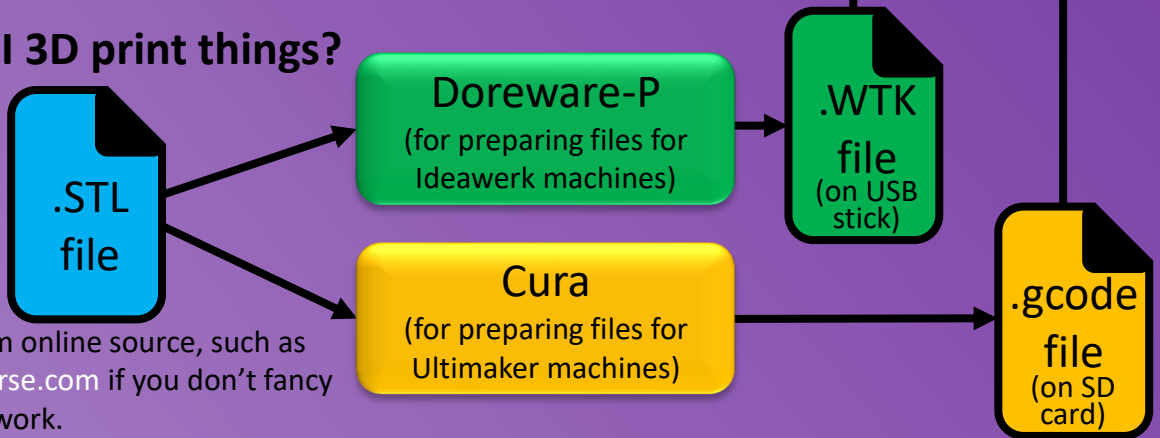
for undergraduates in the
Dyson Centre for Engineering Design

What is available?

Ultimaker 2 Extended+ - two available
Ideawerk (RS) Plus – five available



How do I 3D print things?



1) STL file from online source, such as www.thingiverse.com if you don't fancy doing design work.

Or 2) Export STL file from almost any drawing package, help on www.dysoncentre.eng.cam.ac.uk/3dp

Doreware and Cura are available on all computers in the Dyson Centre. Or downloaded Cura from the Ultimaker website, or Doreware from www.dysoncentre.eng.cam.ac.uk/3dp

How do I get started?

- Start with the Ideawerk (RS) machines
- Option 1: use guides or **lecture slides** maybe working with a friend/colleague.
- Option 2: come to a 3D Printing Society gathering – 2-3pm, Wednesdays in term time, in the Dyson Centre.
- Option 3: ask Dan, Kevin or Rich at the desk in the Dyson Centre.

Ideawerk guide: www.dysoncentre.eng.cam.ac.uk/3dp

Ultimaker guide: www.dysoncentre.eng.cam.ac.uk/3dp

Slides: www.dysoncentre.eng.cam.ac.uk/3dp



Anything else I should know?

- Printing is charged at £1 for 30 grams for Ideawerk and £1 for 20 grams for Ultimaker – weigh everything you print using scales in 3D printing area, and pay using link to our own easy EPOS page www.dysoncentre.eng.cam.ac.uk/epos or submit a job number on same page, if print for a project.
- For Ultimaker prints 15+ hours, please ask at desk before starting – a waiting list system operates.
- For Ideawerk prints – if there is a machine free, please start using it: limit of 2 machines per project.
- The 3D printers can be used for course related projects, private projects, even a gift for mum or dad!