

Objet 30 Users Outline and SOP

Location:

The Objet 30 Pro printer is located in 3430 Elings Hall

Safety Issues:

Gloves should be worn when working with the print resins and when cleaning the print heads.

Overview of the printer and software

The printer comprises the following main components:

- Print heads that travel in a raster scanning pattern over a print platform that moves vertically.
- A drawer with a reservoir of print material, support material and a waste container
- A tower computer **running Objet Studio software**, and also running a **Remote Desktop connection to an embedded PC inside the printer running Objet software**. There are two computers and two separate software packages running together to operate the printer.
- A waterjet cleaning station.

The printer has two print heads - one prints the structural material for parts, and the other prints a support material. Parts are built on a layer of the support material. Matt finish parts are surrounded in support, and overhanging features are supported with support material during printing. The support material is removed in the water jet station.

Training: New users should read the operators manual, and go through the Operator Training Course - both documents are linked on the lab website.

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