



since 2008

Laboratory of Construction and Technology

Terms and Conditions for Using the 3D Printer

The Laboratory of Construction and Technology of EAUM is equipped with a 3D Printer, Beethefirst brand and software Beesoft. The filament used is a PLA – Polylactic acid with 1,75 mm of diameter. The table printer has the following dimensions: 190 mm x 135 mm x 125 mm (length x width x height).

1. General operations rules

Instructions for use

- The equipment works always under the technician supervision.
- The units of the project should be in millimetres (mm) and the exportable file in stereo lithography format (stl).

2. Opening hours

The Laboratory of Construction and Technology is open between 9:00 to 12:30 and 14:00 to 17:30 from Monday to Friday. The technician accumulates others works in the laboratory, therefore, if 3D printer was not requested in advance it will not be considered

3. Request

The request for a 3D printer session should take place 3 working days before the desired date. For this effect the applicant must complete the form available at LCT web page and send an e-mail to lct@arquitectura.uminho.pt. The answer to the request will be sent by e-mail as well as the period assigned and price.

4. STL file

The modelled guidelines are described in: <https://beeverycreative.com/modelling-guidelines/>

5. Price and Payment:

The price is calculated in function of the time of printing and the amount of filament spent for the project. To ensure the budget precisely it is necessary to fill the request form with all details about the project, such as, project aim, dimensions (length x width x height), density and project resolution. The payment is made in the laboratory to the technician responsible for the equipment.