



iLab Research Facility Management System

Processing work requests

AM Build or EDM Operation

Reference Guide

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Overview



Requesting a AM or EDM service

Overview:

To request an additive manufacturing build, login to the core facility's web page by following the directions you received in by using the direct link on the [Griffith Technical Solutions web page](#). The instructions below are instructions for use when requesting work from the ADaPT core. When you land on the ADaPT core facility's page, you may not see exactly the information provided in this manual, but you should still be able to succeed logging a request by following these basic steps.

Pre-requisites:

- The requestor has registered.
- The requestor is a member of a Lab with access to a Speedtype and class

Primary Actors:

- Requestor

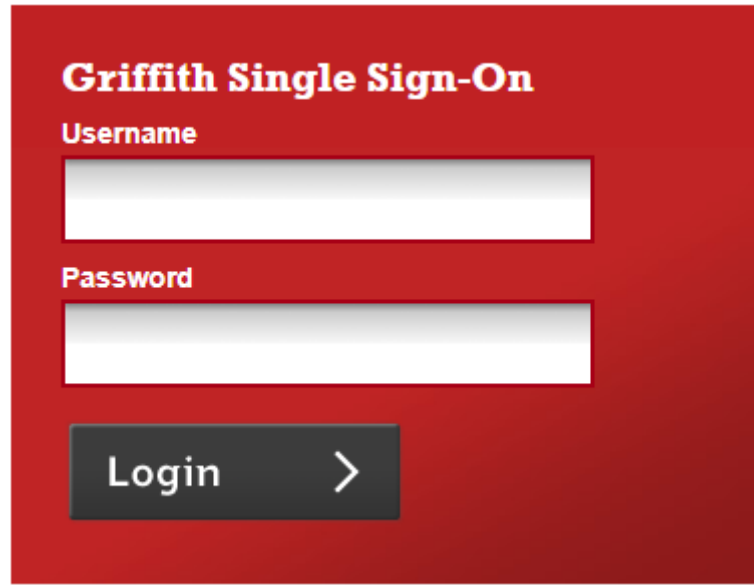
Useful Links:

iLab Login Griffith University URL: <https://griffith.corefacilities.org>

Process

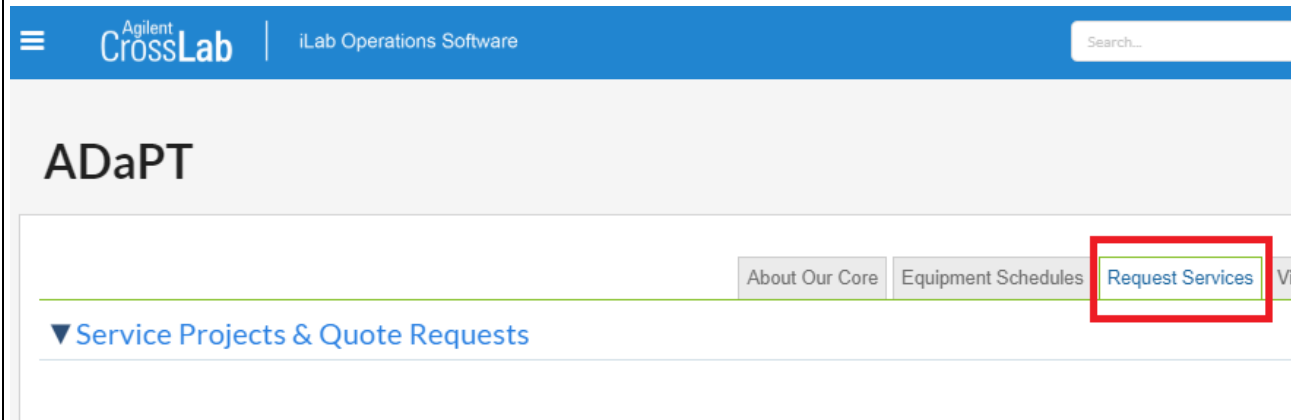
1.1 Log in to iLabs through the [Griffith Sciences – Technical Solutions page](#).

iLab Login >



The image shows a red-themed login form titled "Griffith Single Sign-On". It contains two input fields: "Username" and "Password". Below the fields is a dark grey "Login" button with a white right-pointing chevron.

1.2 Navigate to the ADaPT core page and select the Request Services tab.



The image shows the top navigation bar of the ADaPT core page. The header is blue and contains the Agilent CrossLab logo, the text "iLab Operations Software", and a search box. Below the header, the page title "ADaPT" is displayed. A navigation menu is visible with tabs for "About Our Core", "Equipment Schedules", "Request Services", and "View". The "Request Services" tab is highlighted with a red box. Below the navigation menu, there is a link for "Service Projects & Quote Requests".

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| <p>1.3</p> | <p>Select the desired request from the request services tab and select "initiate request".</p> <p>*Note – Read the descriptions carefully and ensure you complete the correct service request*</p> | <div style="border-bottom: 1px solid #ccc; padding-bottom: 10px;"> <p>Plastic AM build (Additive Manufacturing)</p> <ul style="list-style-type: none"> Request for part(s) to be built using EOS Formiga P110 </div> <div style="border-bottom: 1px solid #ccc; padding-bottom: 10px;"> <p>Metal AM build (Additive Manufacturing)</p> <ul style="list-style-type: none"> Request for part(s) to be built using the Renishaw AM400. </div> <div> <p>Makino U3 (Machine Tool- Wire Cutter EDM)</p> <ul style="list-style-type: none"> Machining Job for Wire EDM - Standalone job. Do not select for post-processing a Metal AM build </div> <div style="text-align: right; padding-right: 20px;"> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 5px; display: inline-block;"> ➔ Initiate request ✕ </div> <p style="font-size: 8px; margin: 0;">\$335.93 (External) \$120.17 (Internal) \$0.00 (ADaPT Subscription Pricing) \$147.68 (External Academic)</p> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 5px; display: inline-block;"> ➔ Initiate request ✕ </div> <p style="font-size: 8px; margin: 0;">\$1,085.40 (External) \$648.21 (Internal) \$0.00 (ADaPT Subscription Pricing) \$783.90 (External Academic)</p> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> ➔ Initiate request ✕ </div> <p style="font-size: 8px; margin: 0;">\$426.06 (External) \$164.10 (Internal) \$0.00 (ADaPT Subscription Pricing) \$201.12 (External Academic)</p> </div> |
| <p>1.4</p> | <p>Identify the Requestor & Lab the request belongs too.</p> | <div style="border: 1px solid #ccc; padding: 10px; background-color: #e6f2ff;"> <p>Design for AM Consult</p> <p>person search within: <input checked="" type="radio"/> current customers <input type="radio"/> this institution <input type="radio"/> All</p> <p style="border: 1px solid #ccc; padding: 2px;">type in the person's first name then last name for whom you'd like to create a request ▼</p> </div> |

1.5 Complete request form ensure all fields are populated with as much information about the request as possible.

3D CAD models will be requested at a later date, iLabs does not support CAD file uploads.

Note – Request forms differ slightly depending on the request type you selected in 1.3.

1) Forms and Request Details

(see bottom of list to add items to this request)

View Form: Plastic AM Build

EOS Formiga P110 - Selective Laser Sintering
Please complete the form as fully as possible; all information regarding use and function is important.
A staff member from ADaPT will be in touch to discuss the build further and to request CAD.

CAD Submission Instructions:

- On submission of the Request a member of ADaPT will be in touch upon receiving the request to collect the CAD data.
- Please ensure files are in STL, SLDPRT, IGES or STEP format.
- If the native CAD format is in any other file type, please advise.

Request Details:

★ CAD Model native format

★ STL file available? Yes No

Drawing available? Yes No

★ Material Nylon 12

★ Need by date

Parts / Quantities / Post-processing

In the following Parts Details Table, enter the name of the CAD file / Part Name and the desired quantity of the part.

Optional: If there is specific surface finish or general tolerances required for the part, enter the desired values in the relevant columns

Tip: To start filling in your part details click the green '+' button
If you need more input rows select the number and click the green '+' button

★ Part Details Table


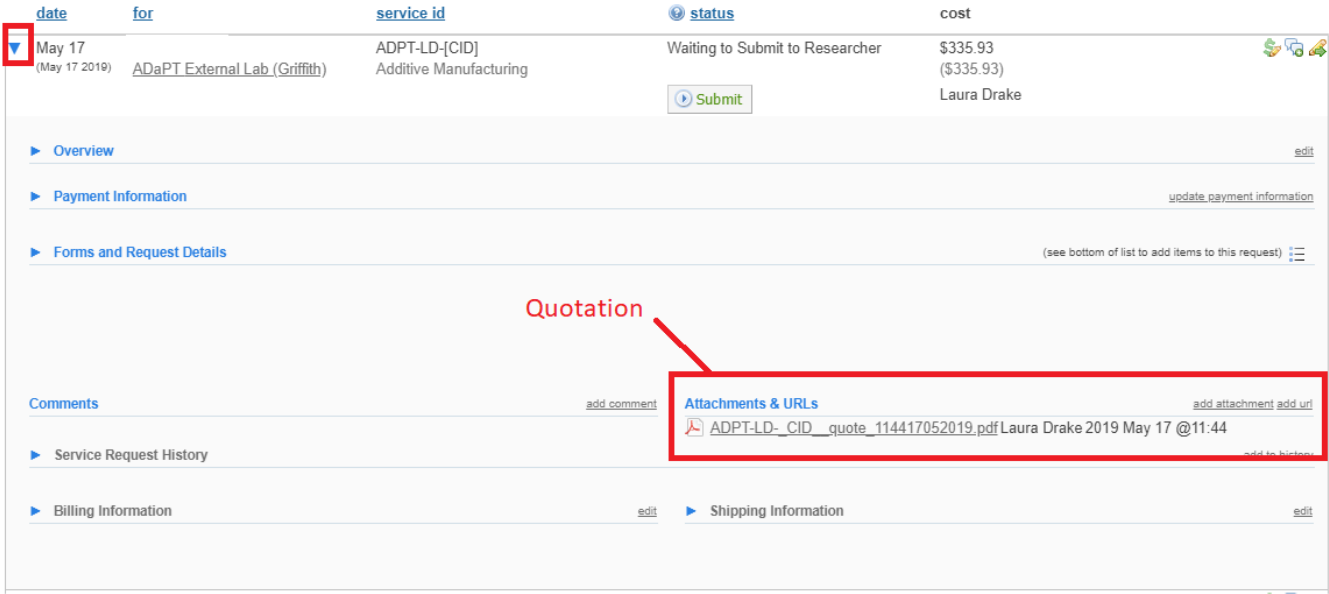

| CAD file / Part name | Quantity | Surface finish | Tolerancing |
|----------------------|----------|----------------|-------------|
| Add 1 row(s) | | | |

Post-processing requirements

★ Add details about the part, application or desired functionality

Please save your form!

| | | |
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| <p>1.6</p> | <p>Please do not adjust the values in the line items as these are for the core to quote the value of the request.</p> | |
| <p>1.7</p> | <p>Complete Payment Information</p> | |
| <p>1.8</p> | <p>Select submit request. Once submitted a page will appear showing you the service id that you can use to refer to the request from now on.</p> | |

| | | |
|-----|--|--|
| 1.9 | The Core will review your request and cost up the job. You will be notified when the Quotation is ready to be reviewed. |  |
| 2.0 | <p>To find the quotation expand the request in the list by clicking the small arrow on the left of the row.</p> <p>Once expanded navigate to attachments and URL's to find the PDF quotation</p> |  |
| 2.1 | Reply to the quotation by selecting "agree" or "disagree" in the status column of the request. |  |
| 2.2 | Once quotation has been accepted the job will be processed through the ADAPT institute. iLabs will update you with its progress. | |