

Continuum 3D

A Design Engineering MEng Enterprise Roll Out Project

3D Printing
in Shared
Spaces is
Broken.

Constrained Staff
200,000

Hours a week are wasted globally
setting up and fixing printers.

Inspire Creation Through Automation.

Untapped Creators
50%

of students are put off 3D printing
due to lack of ability, confidence or
time.

Printer Utilisation
<20%

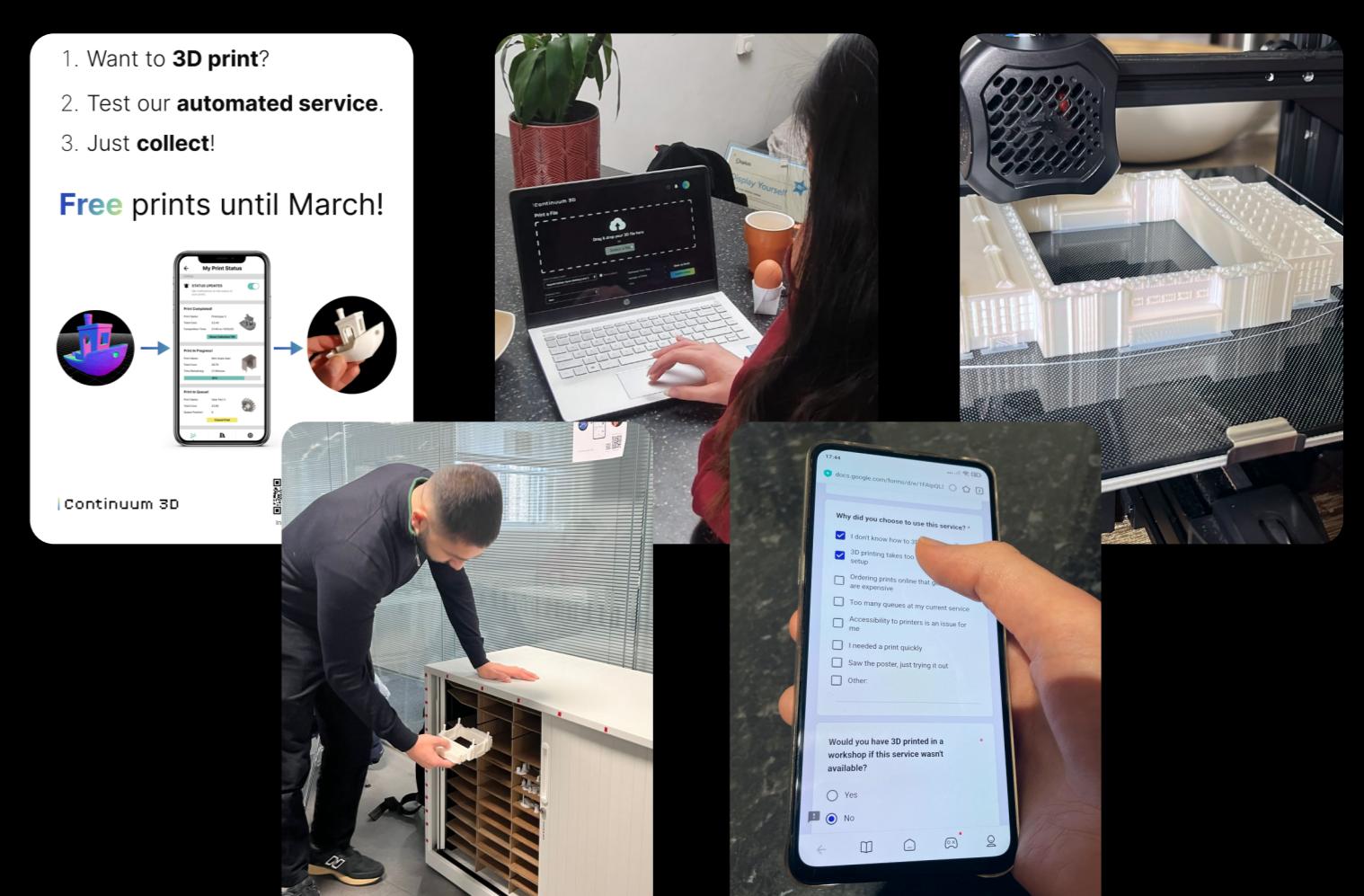
printer utilisation in workshops due to
opening hours and staff availability.



User Validation

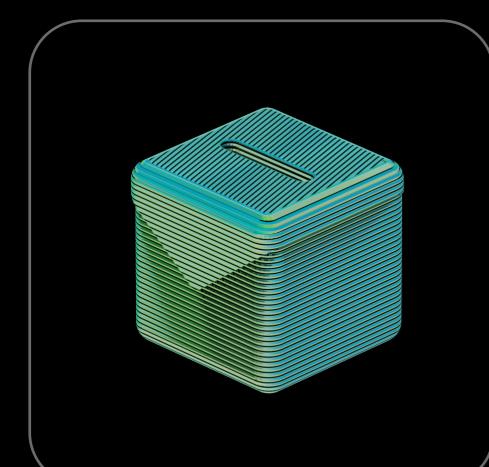
Continuum's hands-off process was simulated to gain feedback on how users rated the service compared to standard workshop 3D printing. With our target users being those that currently 3D print in workshops, it was crucial to test the proposition with them, to ensure this was a product that they would use.

3
Weeks
48
Users
105
Prints



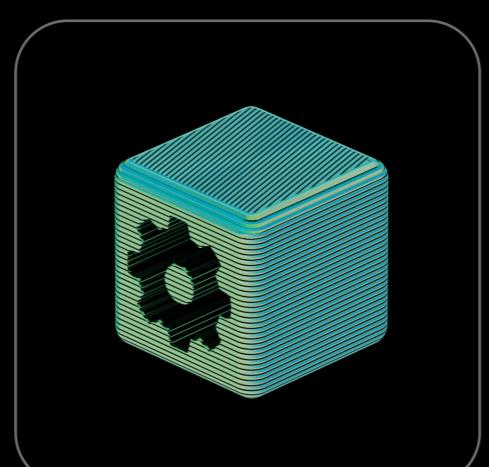
End-to End Automation

Submission



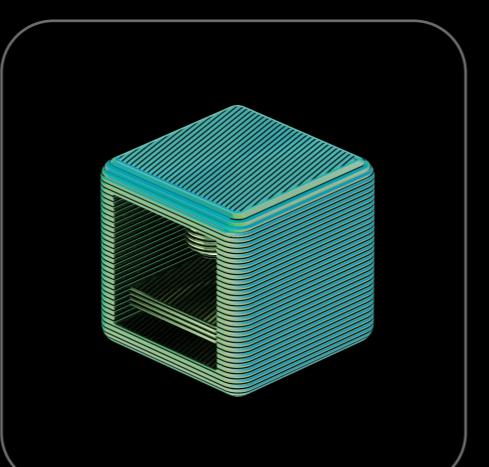
People don't 3D print due to a lack of knowledge, confidence or time. Our software allows users to upload files, which are auto-sliced and sent to print.

Management



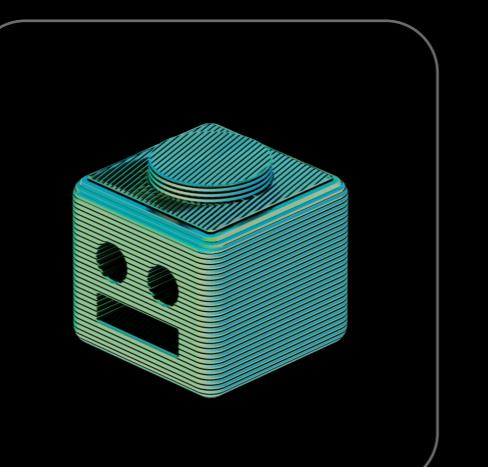
Workshop staff can manage their Continuum unit with one dashboard. Keep control over the print queue, printer status, and regulate your users accounts.

Printing



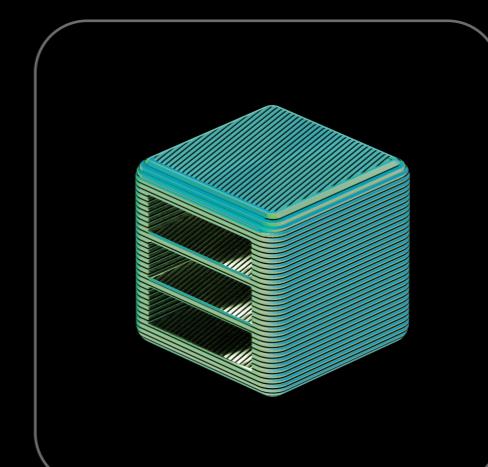
Continuum's compact printers allows for space saving, and can complete prints around the clock. The product houses 6 printers with integrated error detection and auto-correction.

Robotics



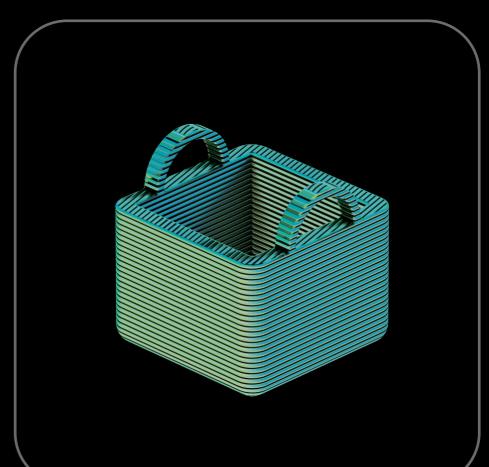
Once prints are finished, the robotic handler removes the print bed and replaces it with a clean one, ready to start the next job in a fully hands-off process.

Storage

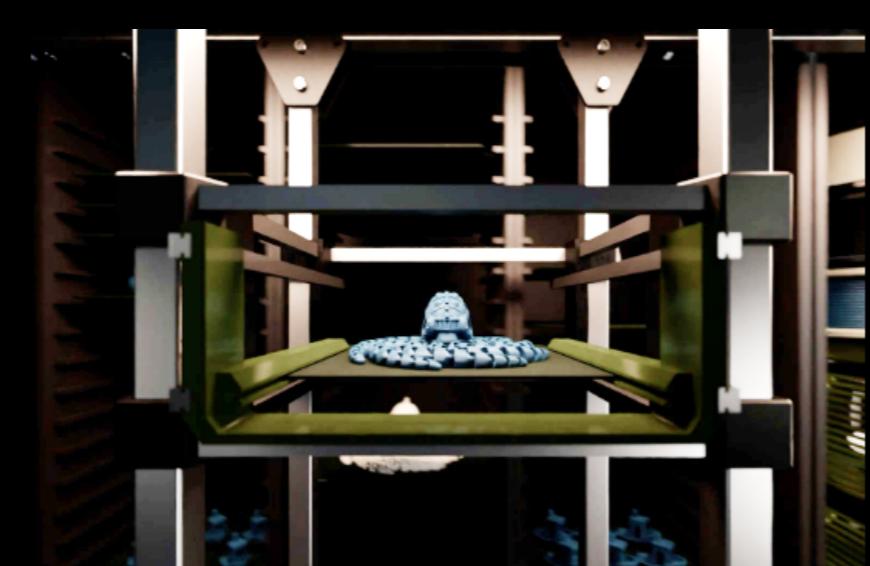
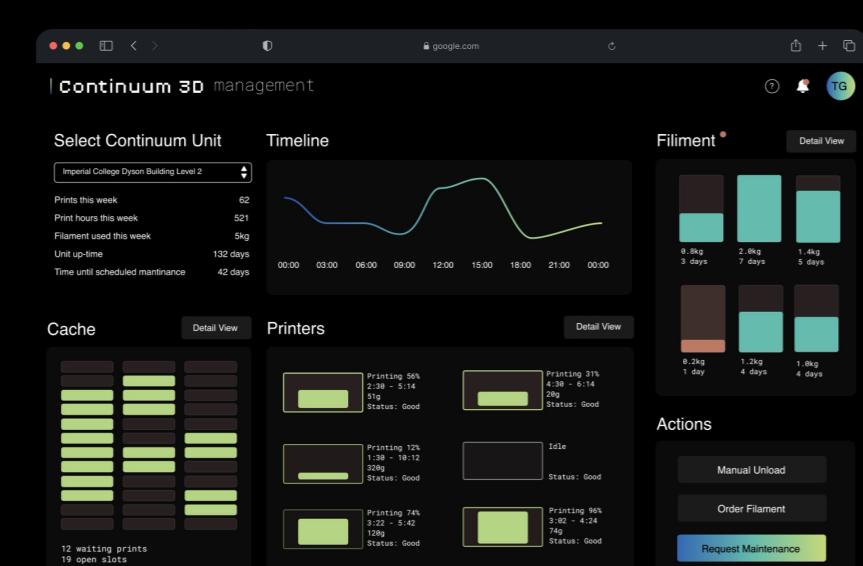
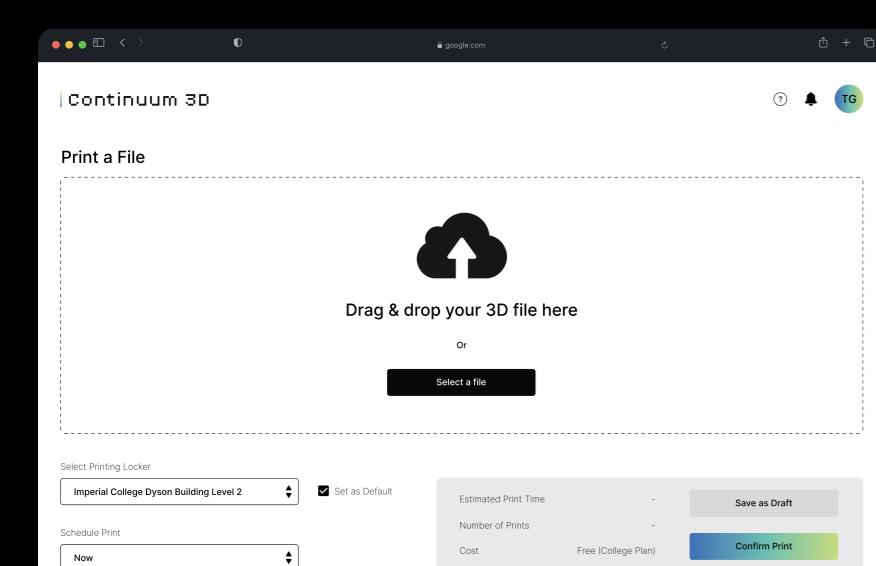


Finished prints are stored in the shelving of the unit by the handler. Users can collect prints when they want, and the printers can continue creating new models.

Collection



Once a users print is finished, they will receive a collection notification. By inputting a unique code in the unit when they collect, their print will be moved to the pickup window.



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Poster by Matvey Boguslavsky (DE4) & Harry Schiote (DE4)

To learn more, scan the QR or contact us:

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