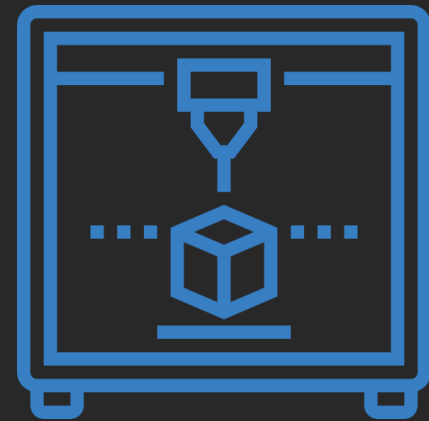# fabpilot

powered by

sculpteo

+

FDM

End-to-End 3D Printing Software Built For FDM

Clément Moreau

CEO, Fabpilot by Sculpteo

"FDM is the most common 3D printing technology; when thinking about the next progression, it made perfect sense to integrate directly with FDM.

I am very proud of releasing this new functionality, which will bring a huge increase in the return-over-investment ratio for users."

Alex Gryson

Product Owner, Fabpilot by Sculpteo

"Fabpilot aims to eliminate the insecure and error prone practices of physically moving data around. Machine integration such as with FDMs makes this a reality for any scale of lab or production facility."
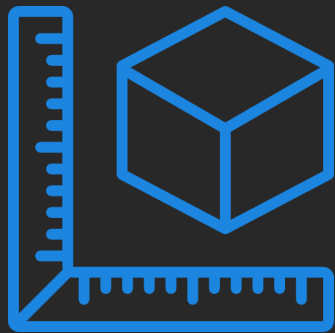
What is Fabpilot?

Fabpilot is an end-to-end solution for the 3D printing workflow, that's built to support the management and organization of 3D printing labs. As a cloud-based platform, you have complete control of the 3D printing process from anywhere in the world.

Built, tested, and powered by the team at Sculpteo, Fabpilot has been proven to work at industrial production scales. Now, Fabpilot aims to support the organization of 3D printing for Fablabs, Makerspaces, Educational Programs, and other businesses providing 3D printing services.

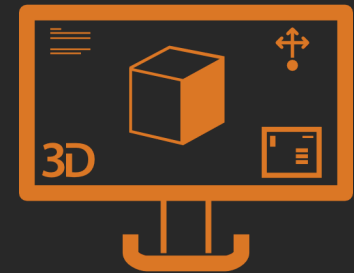# Take Command of Your Additive Manufacturing Workflow

Project Preparation

- Automatic file repair
- Hollowing and lattice generation
- Solidity, cutaway, and exposure checks
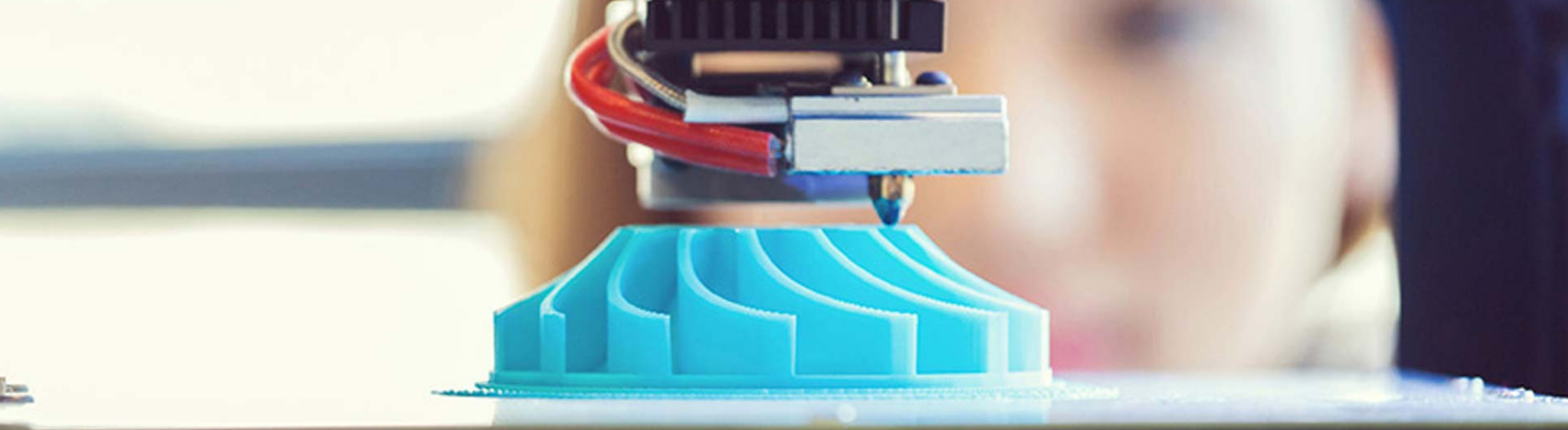- Quote generation

Production

- 2D Nesting
- Automatic Orientation
- Auto-Routing and batch preparation
- Part and order tracking
- Machine scheduling

Operations Management

- Printer management
- Historical fleet statistics
- Materials and machine usage data

FDM Specific Features

Cloud Slicing

Upload 30+ file types to slice and define toolpaths as gcode which is sent directly to the printer

Direct Printer Integration

Your files are pushed directly to the printer you select which you are able to monitor right from the Fabpilot platform.

Multi-Machine Control

Automatically assign jobs to available printers even remotely located

2D Nesting

Arrange the maximum number of parts on the build plate while avoiding a collision. Reduce the number of jobs required to print your parts.

Optimize Orientation

Use Fabpilot's automatic orientation feature to minimize the need for support structures by finding the optimal orientation
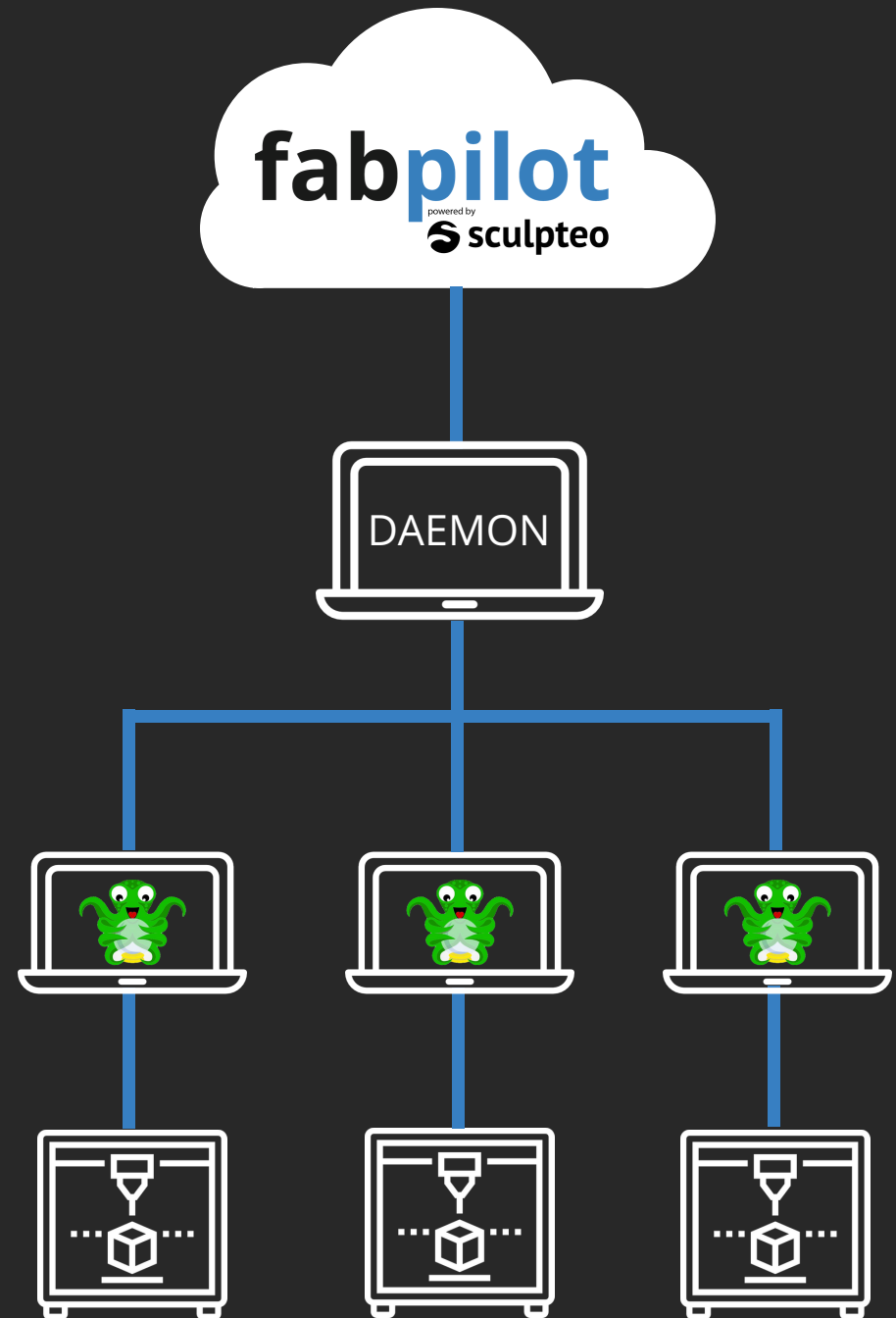
How does it work?

fabpilot
powered by
sculpteo

Computer or Raspberry Pi
running Fabpilot Daemon ➡ DAEMON

Computer or Raspberry Pi
running Octoprint ➡

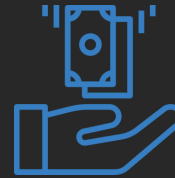As many FDM printers as
you want ➡

Other configurations possible

How can your lab benefit?

Empower collaboration throughout the 3D printing workflow with shared review tools

Reduce the amount of software in your workflow and the associated costs

Monitor machine performance and material usage from anywhere

Your files and intellectual property are securely saved in the cloud

Licenses

Basic Instance

1 User + 5 Designers

Automatic file repair
Hollowing and lattice optimizations
Review tools
Quotation
Automatic orientation
Supports generation

$^\$$99/month

Standard Instance

1 User + 5 Designers

All basic features
Auto-routing and job preparation
Machine scheduling
2D Nesting
Order tracking
Operations dashboard

$^\$$199/month

No setup fees or dedicated workstations
Free onboarding, lifetime support, maintenance, and feature requests

FAQ

What types of printers does it work with?

Fabpilot can integrate with any 3D printer that is compatible with Cura 3+ and Octoprint

Can I use a different slicer?

While we've started with CURA, we aim to integrate other slicers in future releases

What kind of hardware do I need?

A computer (or Raspberry Pi) running Octoprint with internet access connected to each printer
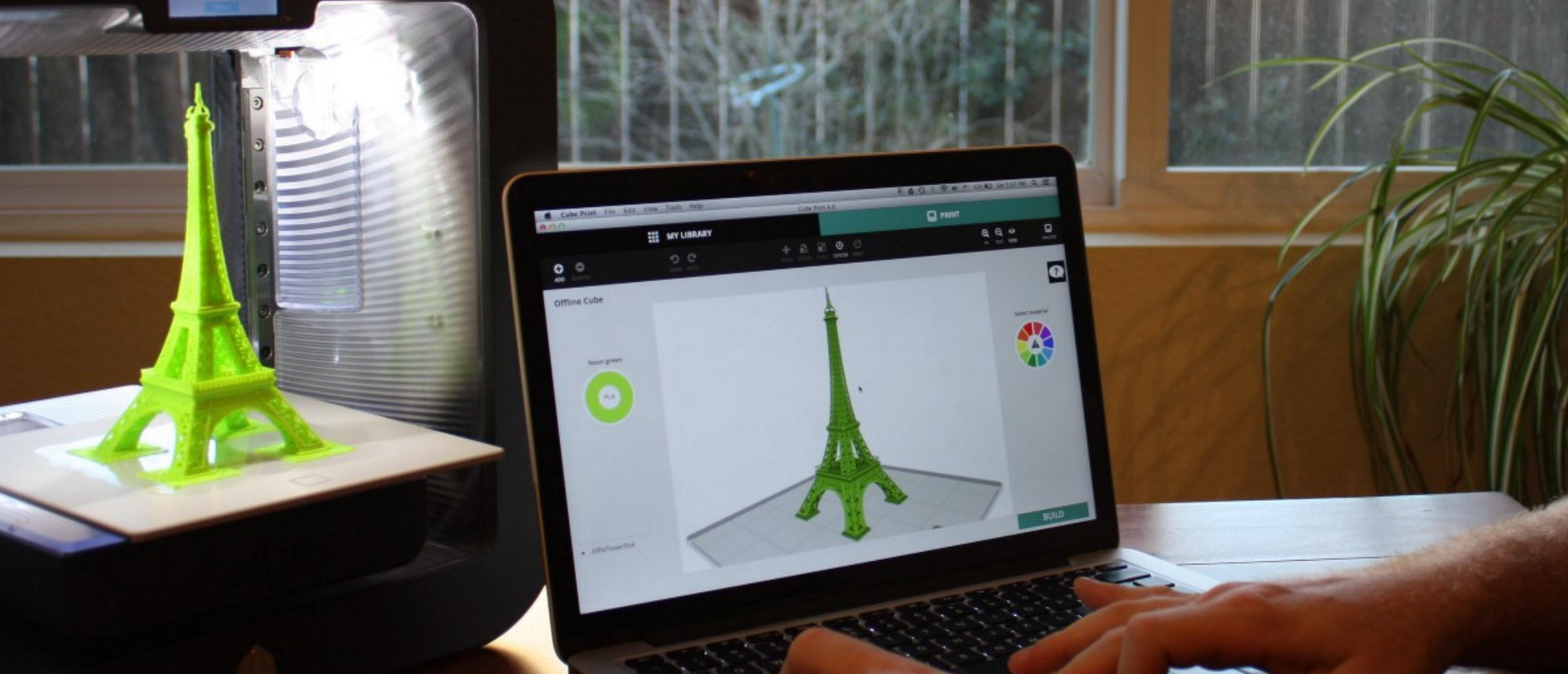
How many licenses do I need?

Well that depends on your specific setup and use case. Our team will be happy to discuss this with you and design a custom solution to suit your needs.

Can I try it first?

Of course! We offer a free 15-day trial and consultation with our 3D printing workflow specialists.

Do I have to sign a contract?

No, your subscription is strictly month-to-month. If you are not satisfied with Fabpilot, you are able to cancel at any time.

For more information,

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