3DPrinterOS

A 3D Control Systems Solution

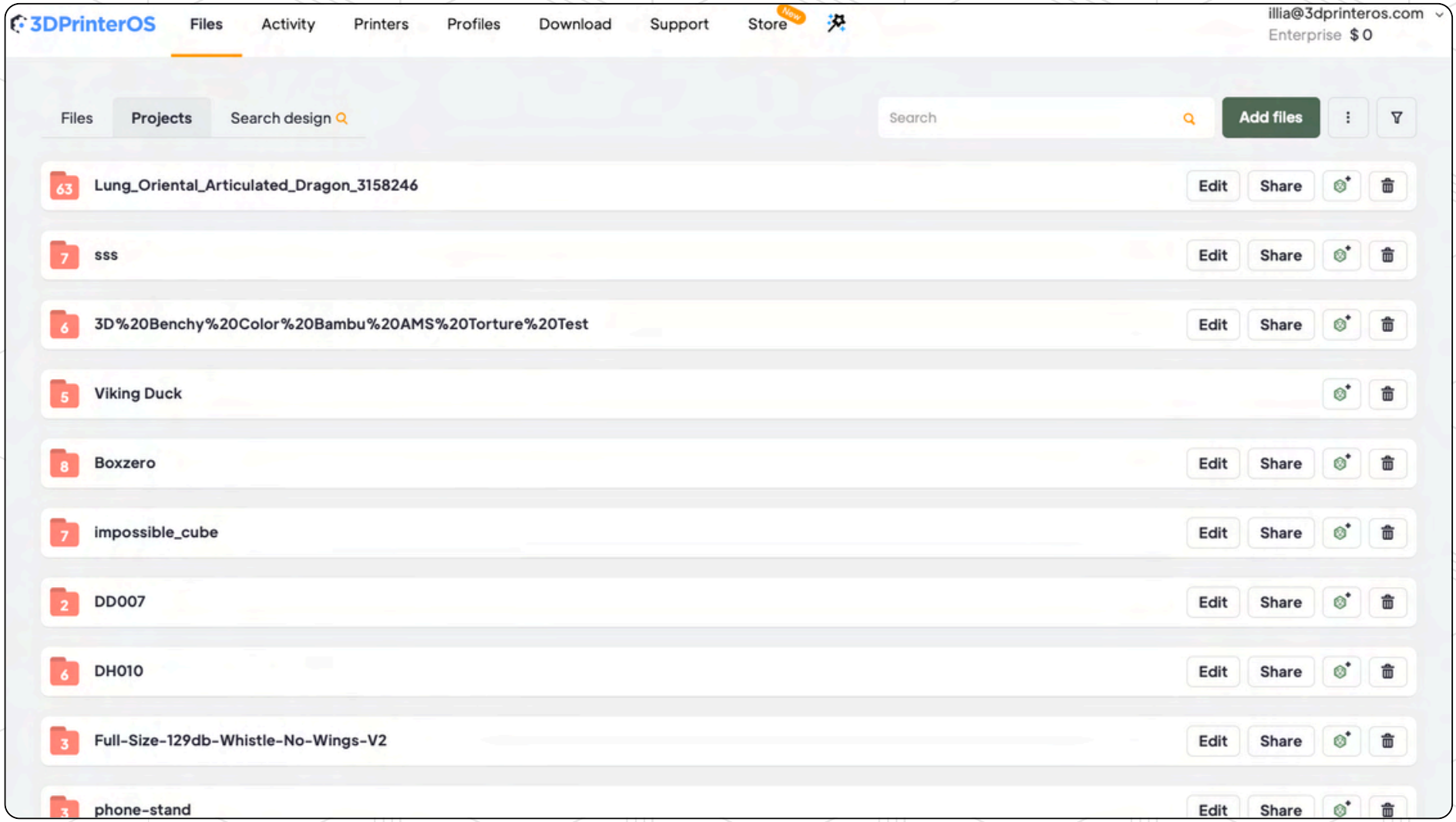
3DPrinterOS

Feature List

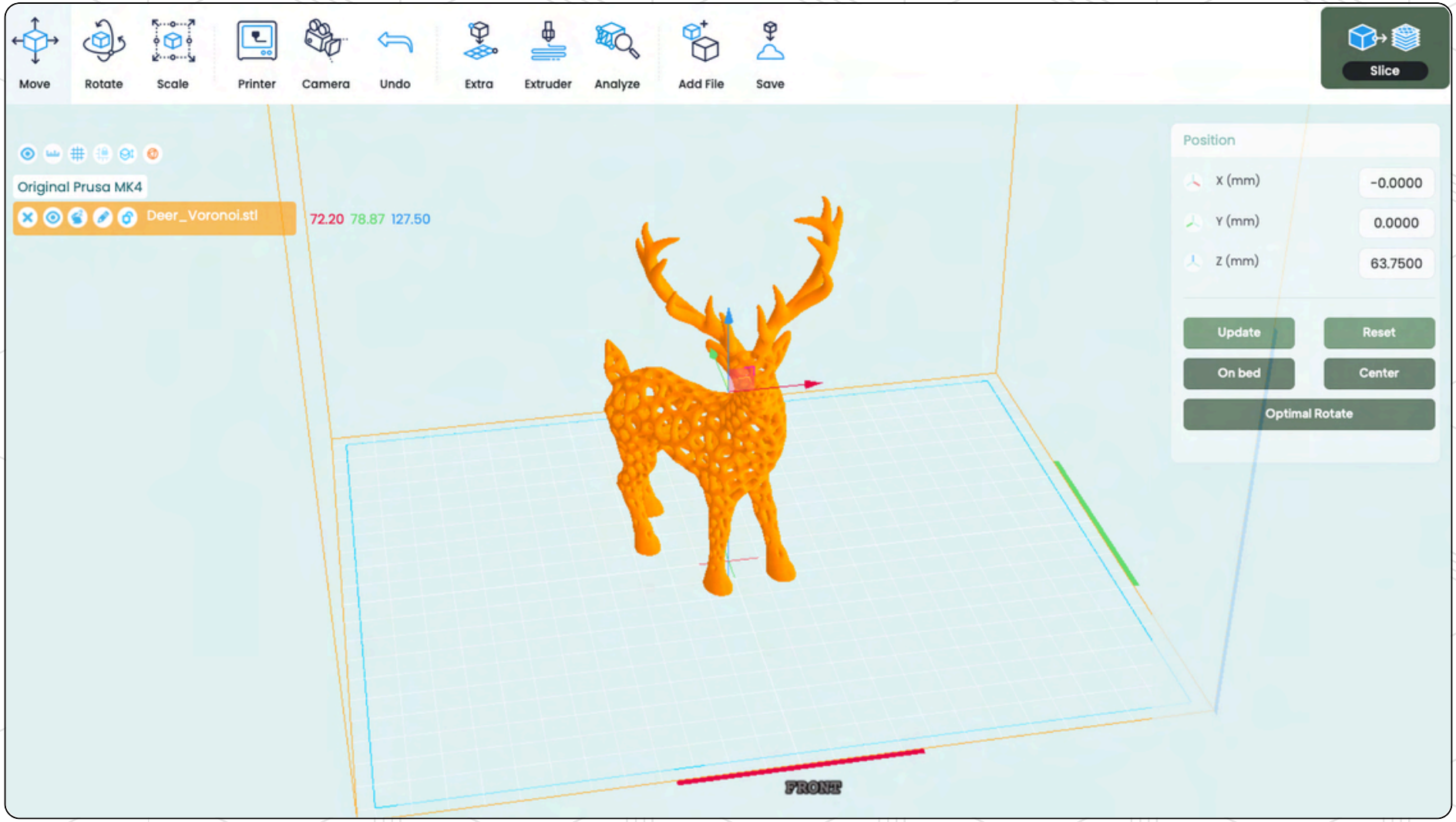
October 2024

File Management

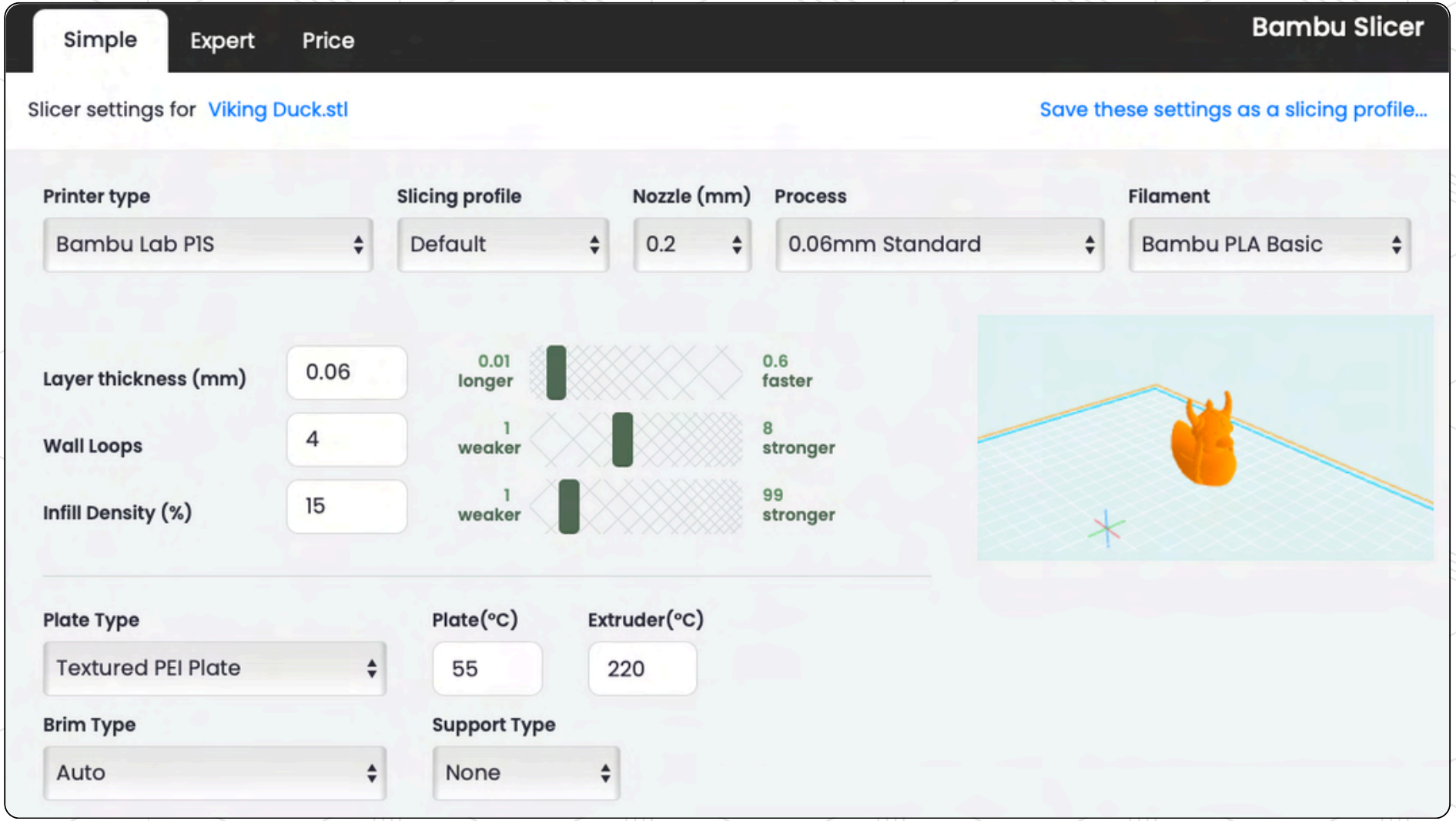
File management in 3DPrinterOS allows users to easily upload, organize, and access their 3D print files.



STL, OBJ, and Bambu Lab 3MF (with G-code) Visualization



Bambu Slicer



Slicer for Prusa

Simple | Expert | Price

Slicer for Prusa

Slicer settings for Viking Duck.stl

Printer family: Original Prusa MK4

Printer model: Original Prusa MK4

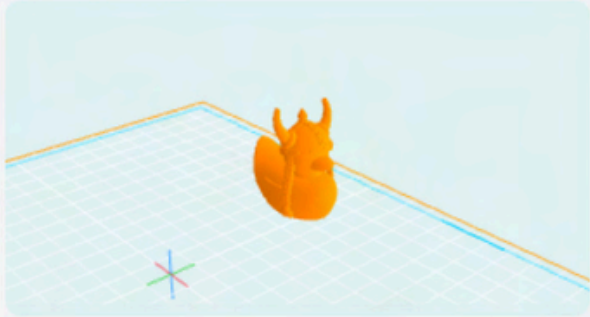
Slicing profile:

Nozzle (mm): 0.25

Print: 0.12mm QUALITY

Filament: 3D-Fuel Buzzed

Layer thickness (mm)	0.12	0.01 longer	0.6 faster
Perimeters	3	1 weaker	8 stronger
Infill Density (%)	20	1 weaker	99 stronger

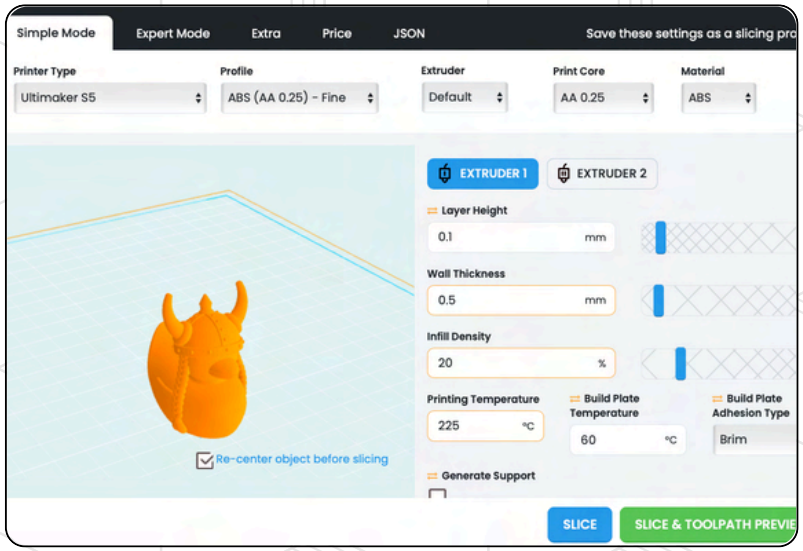


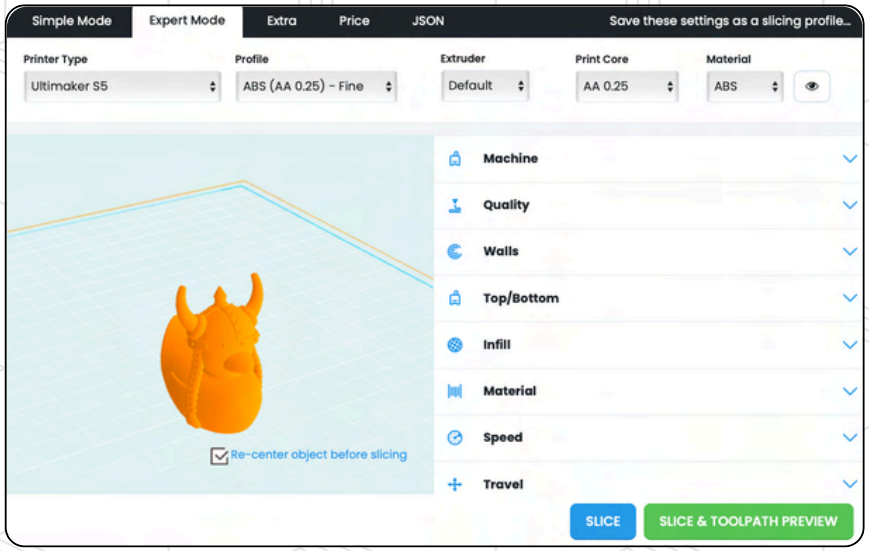
Brim Type	Brim Width	Skirt Loops	Distance from brim/object	Bed(°C)	Extruder(°C)
Inner brim on	1	0	2	60	195

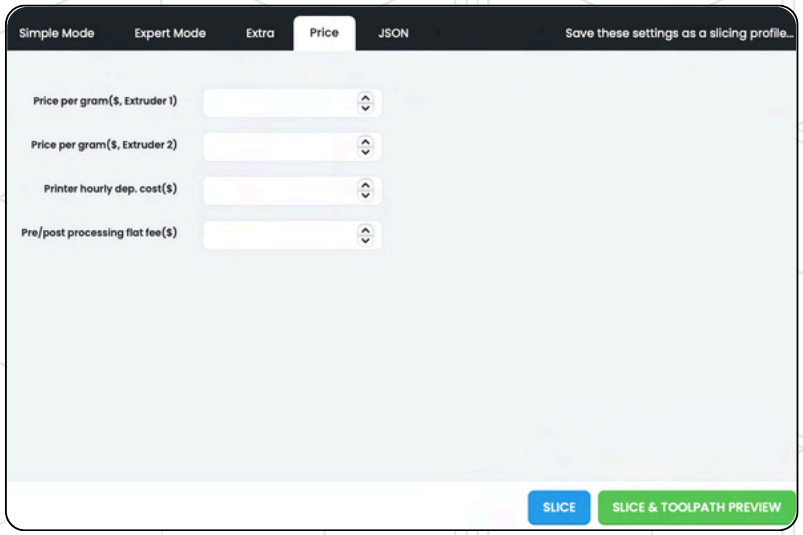
Support Type: Grid

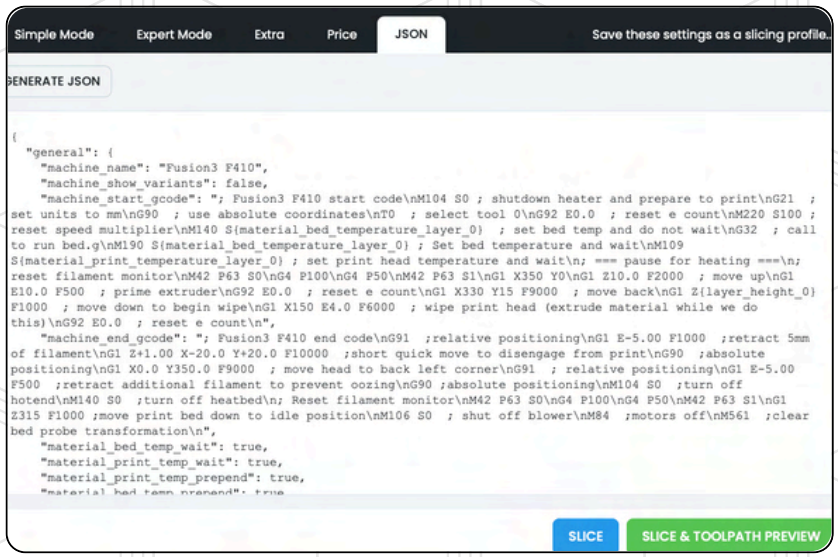
☐ On build plate only

Slicer 5 (Cura)

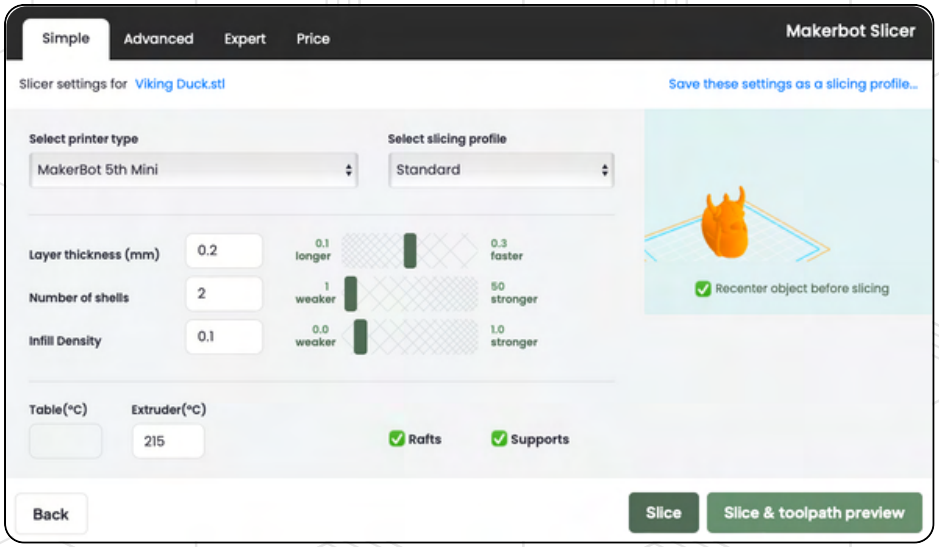


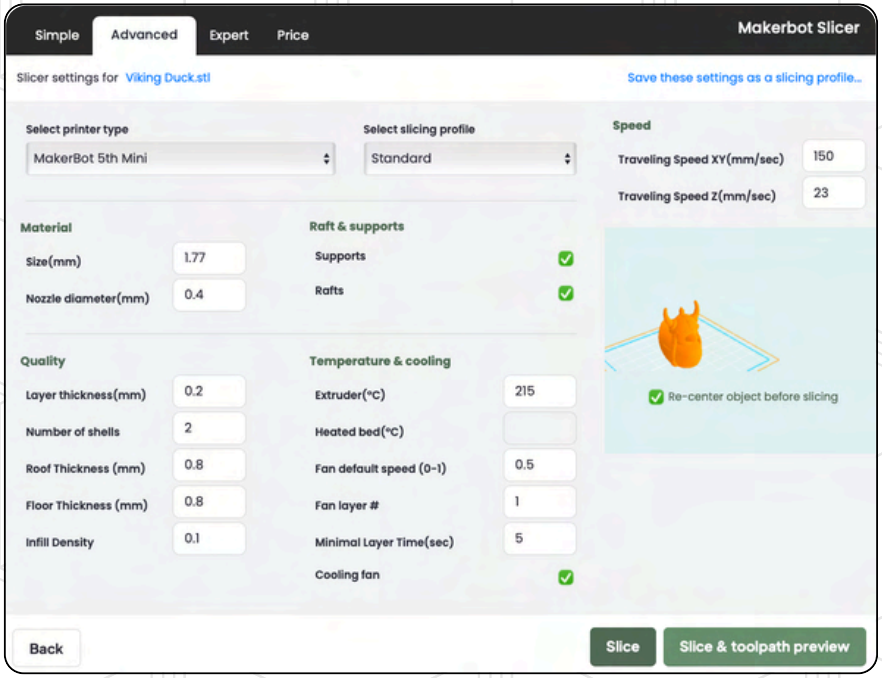


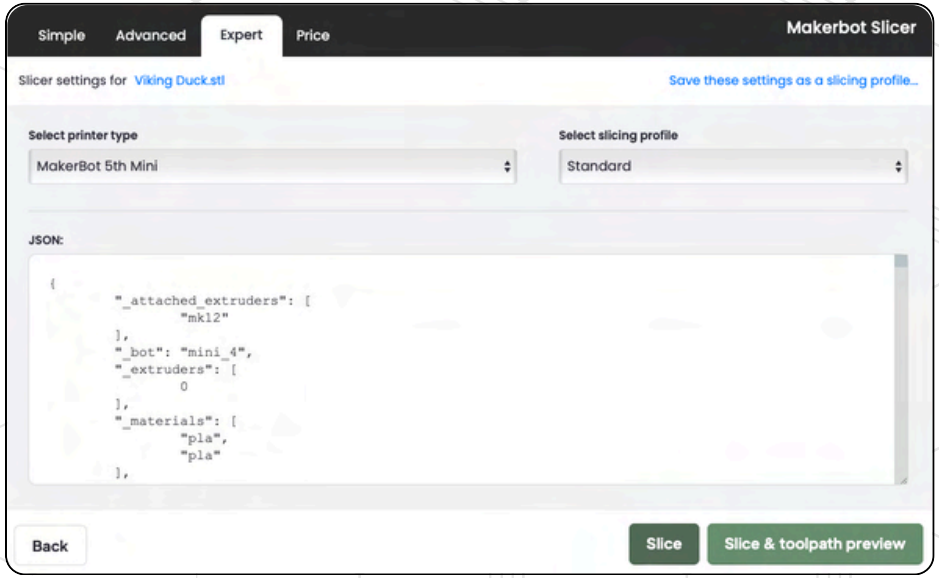


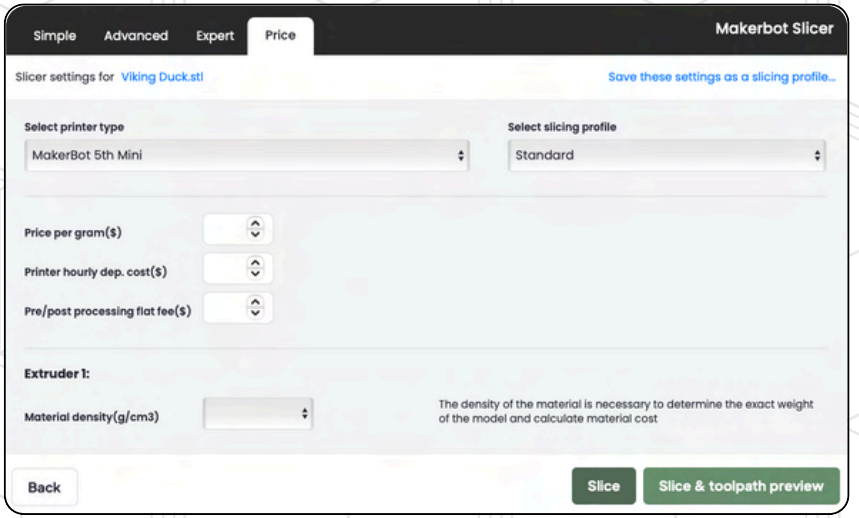


Makerbot Slicer

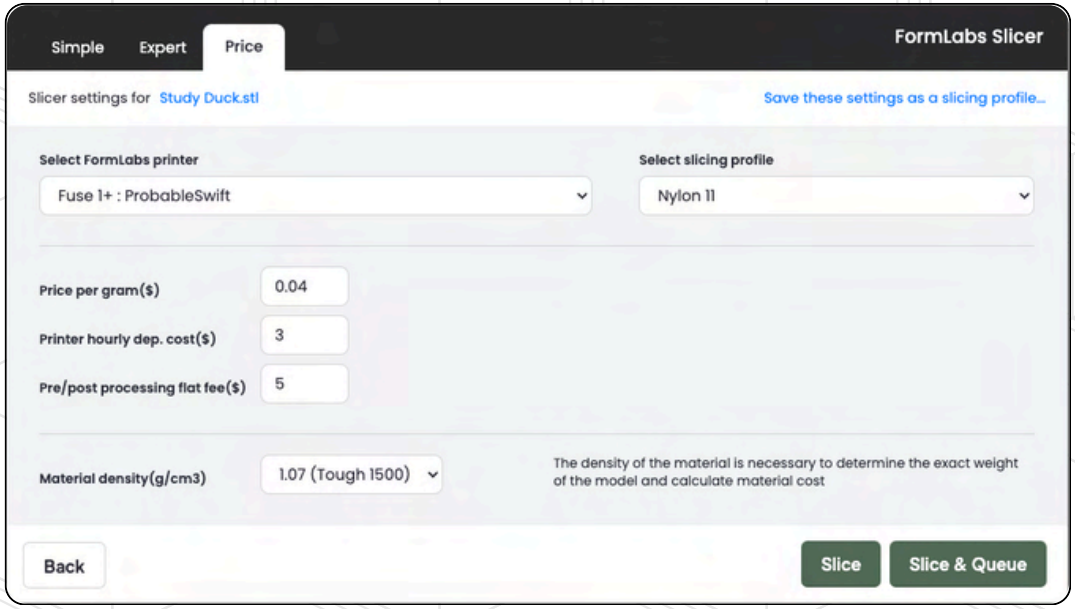


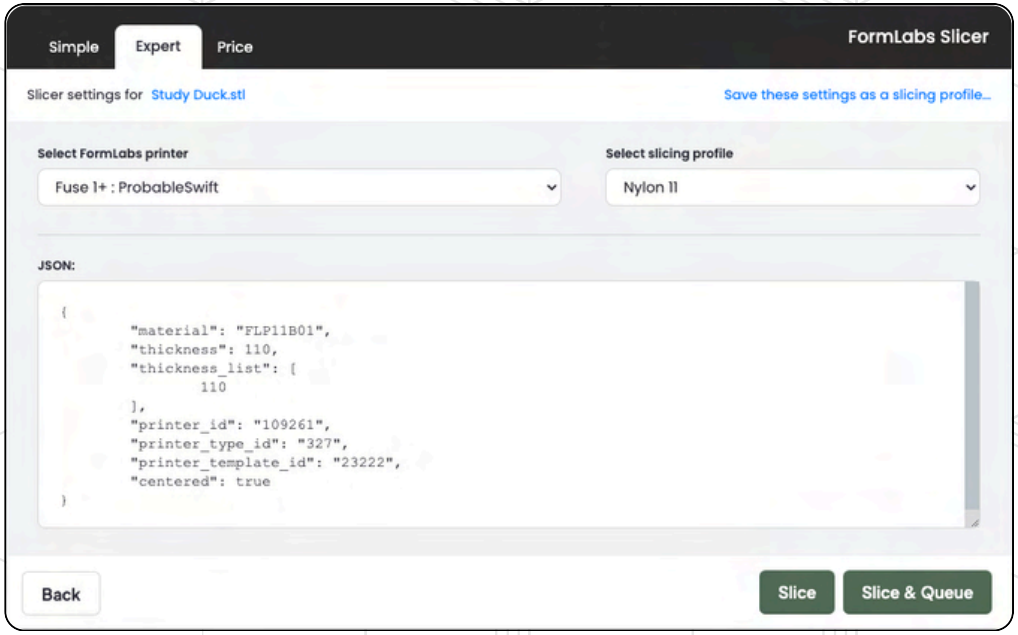


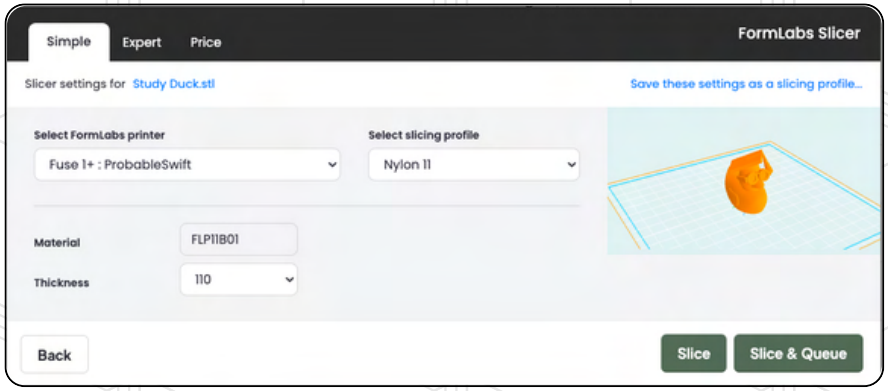




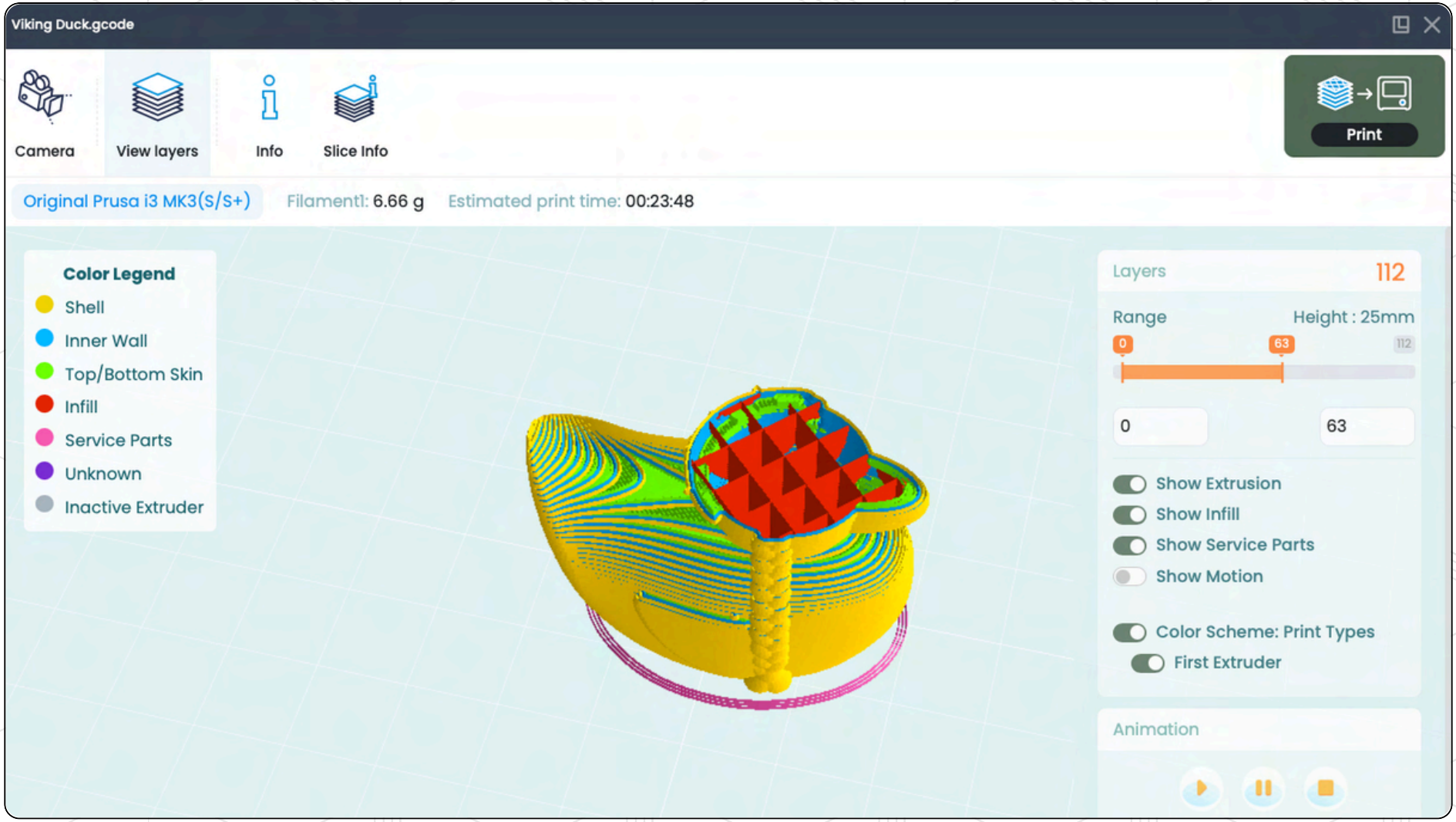
Formlabs Slicer





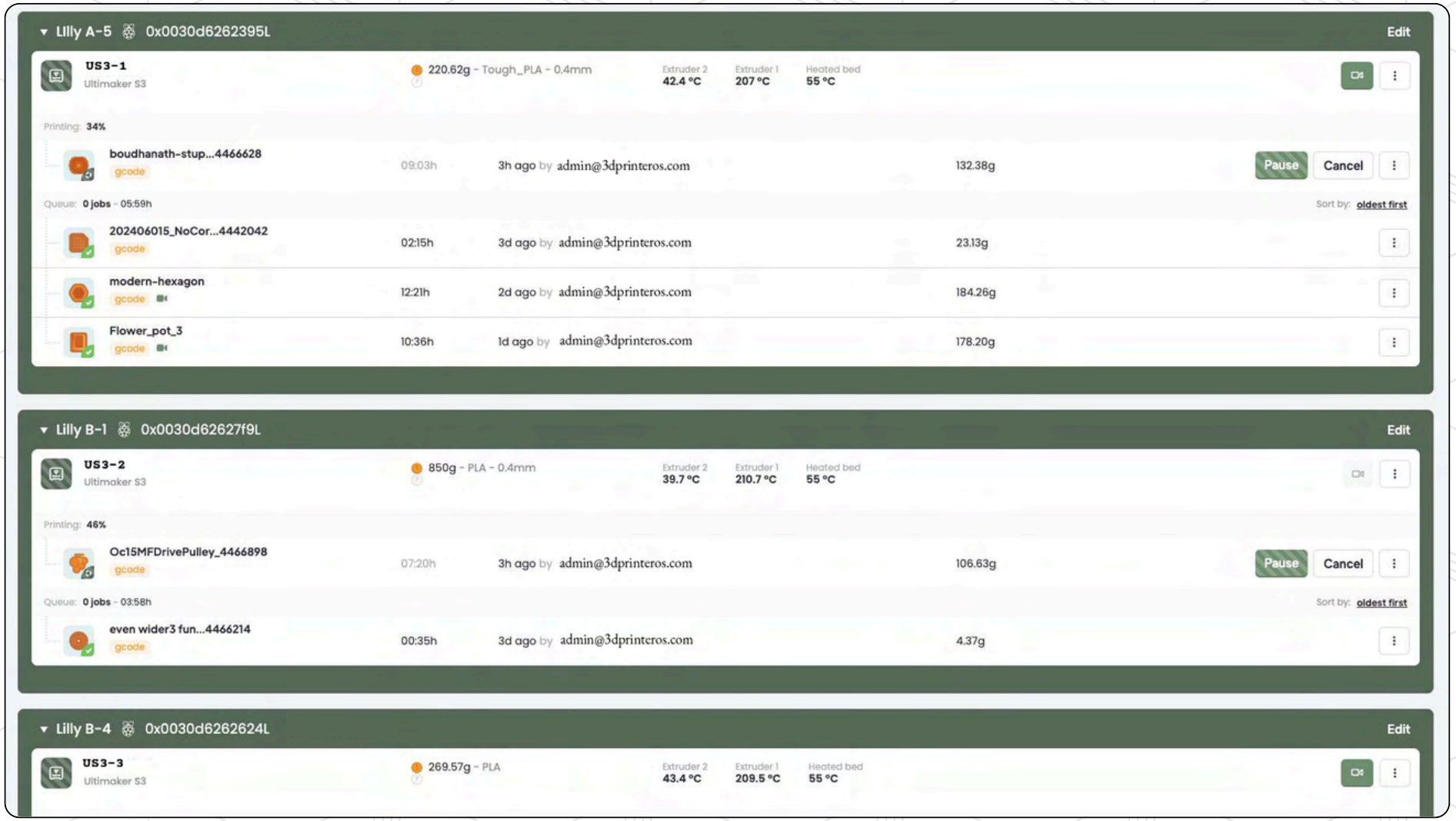


Toolpath Viewer

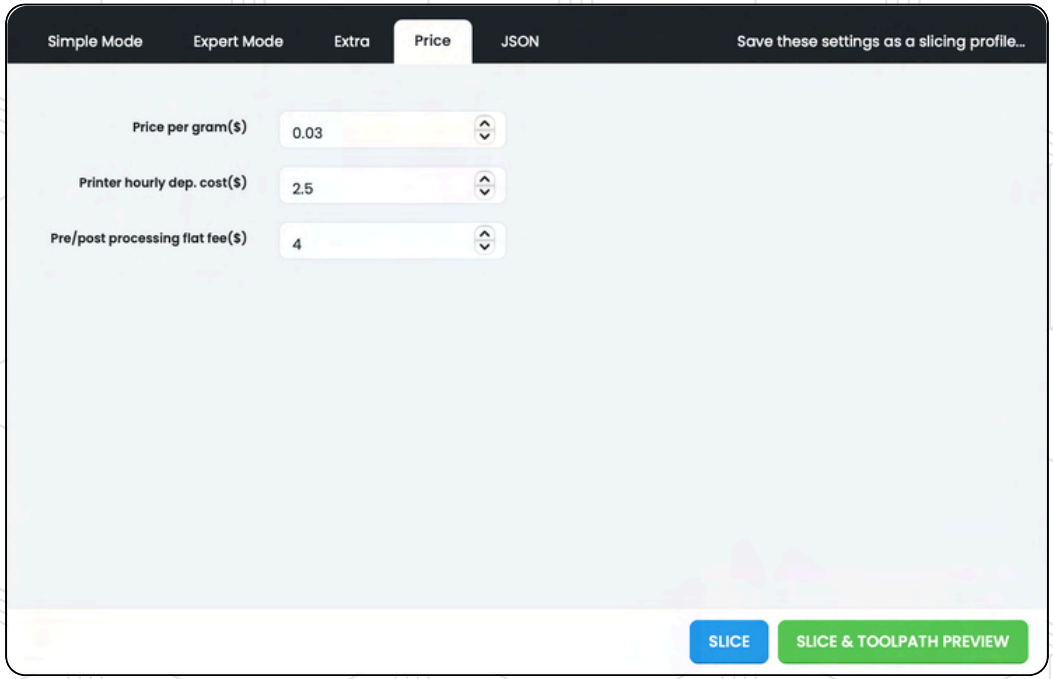


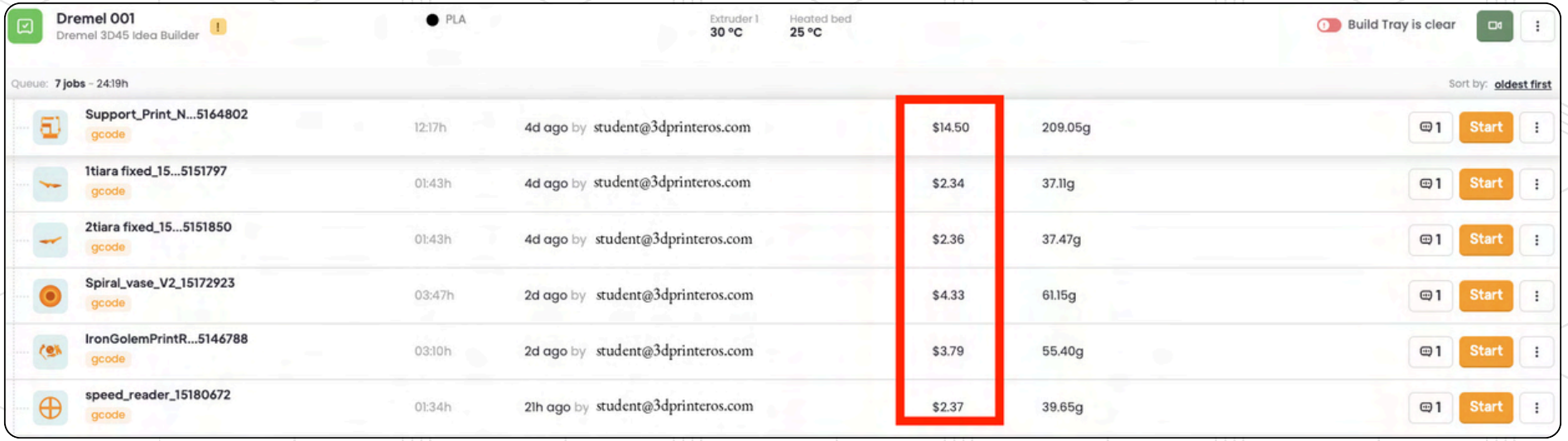
Remote Printer Monitoring and Queue Administration

Allows monitoring printers remotely with live updates and camera views. Queue administration helps organize and prioritize multiple print jobs efficiently, ensuring smooth workflow and reduced downtime.

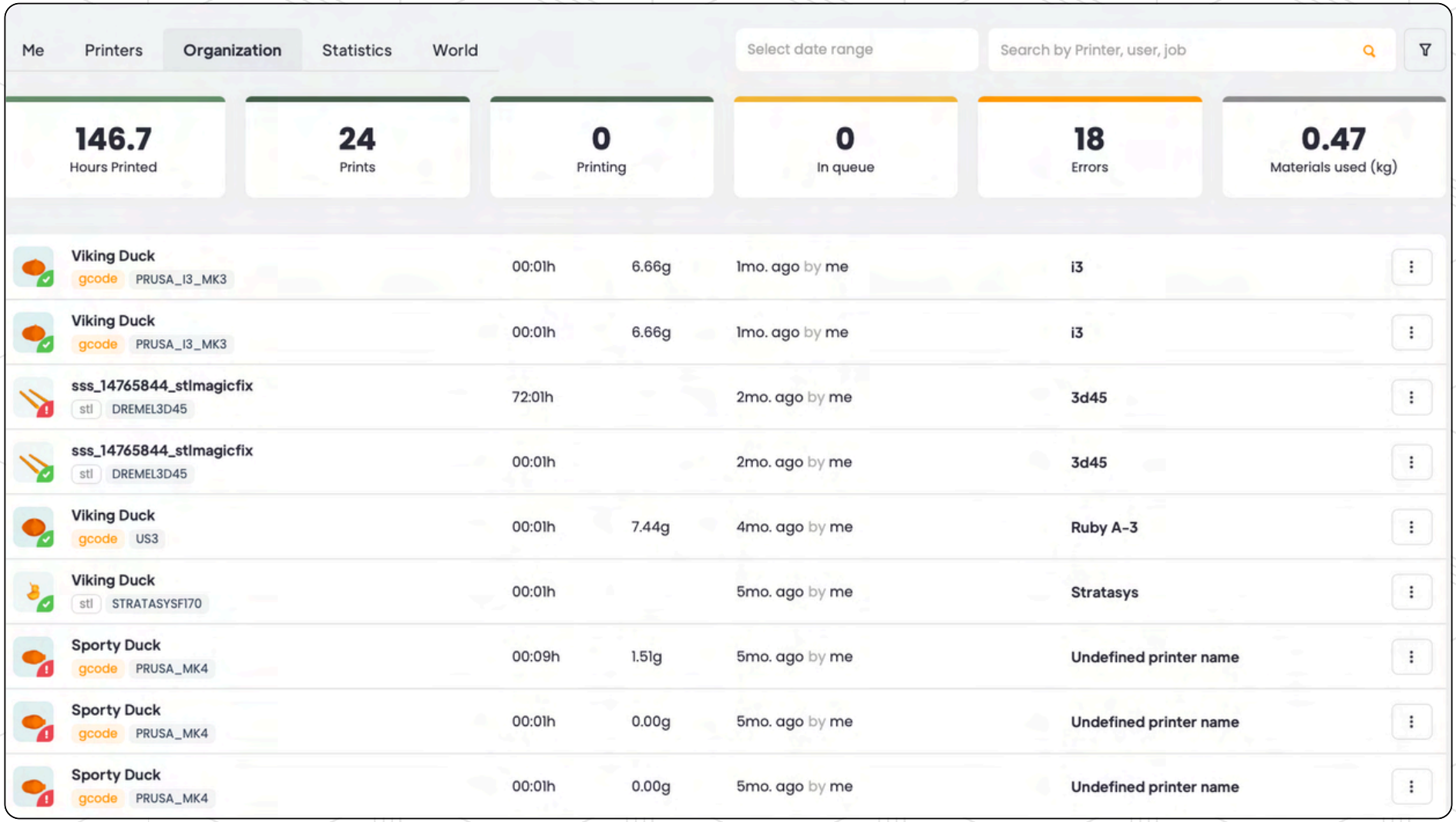


Billing


Simple Mode
Expert Mode
Extra
Price
JSON
Save these settings as a slicing profile...
Price per gram($)
0.03
Printer hourly dep. cost($)
2.5
Pre/post processing flat fee($)
4
SLICE
SLICE & TOOLPATH PREVIEW


Dremel 001
Dremel 3D45 Idea Builder
PLA
Extruder 1
30 °C
Heated bed
25 °C
Build Tray is clear
Queue: 7 jobs - 24:19h
Sort by: oldest first
Support_Print_N...5164802 gcode 12:17h 4d ago by student@3dprinteros.com $14.50 209.05g 1 Start
1tiara fixed_15...5151797 gcode 01:43h 4d ago by student@3dprinteros.com $2.34 37.11g 1 Start
2tiara fixed_15...5151850 gcode 01:43h 4d ago by student@3dprinteros.com $2.36 37.47g 1 Start
Spiral_vase_V2_15172923 gcode 03:47h 2d ago by student@3dprinteros.com $4.33 61.15g 1 Start
IronGolemPrintR...5146788 gcode 03:10h 2d ago by student@3dprinteros.com $3.79 55.40g 1 Start
speed_reader_15180672 gcode 01:34h 21h ago by student@3dprinteros.com $2.37 39.65g 1 Start

Organization Activity

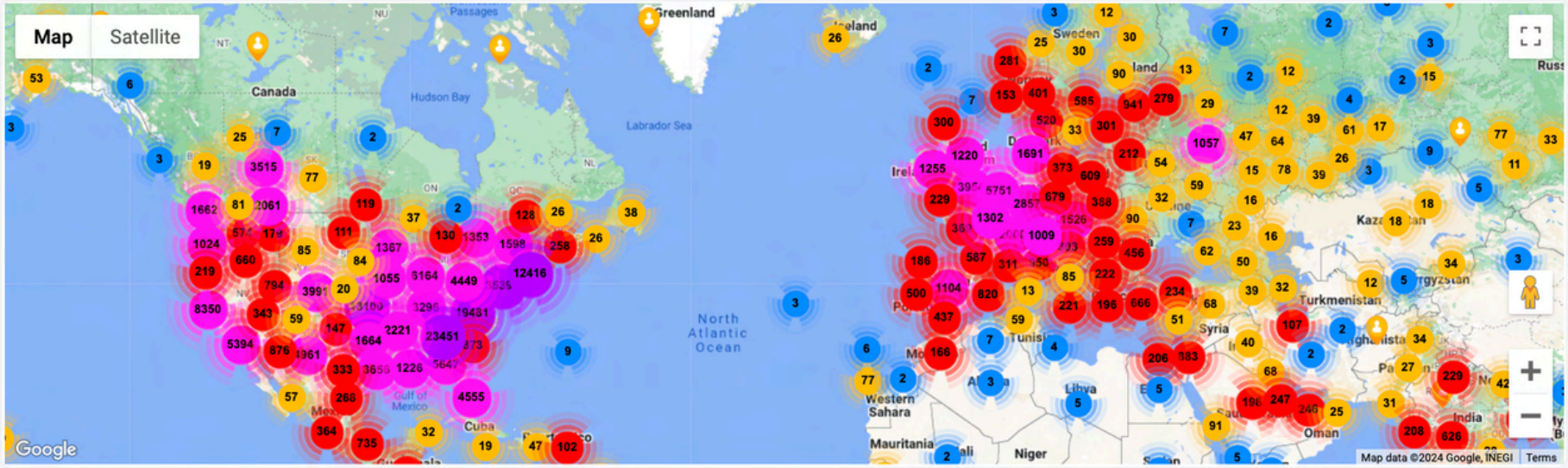


World Statistics

Me | Printers | Organization | Statistics | **World**

1614y 3m 24d	4410530	81362	150964.2
Total Printing Time	Prints	Printers	Materials used (kg)

Accumulation map | Heat Map



September 2024 TOP 10 Ranked users

	User	Hours Printed
1	-undisclosed-	1718d 8h 17m
2	Jerrod B.	294d 3h 22m

October 2024 TOP 10 Ranked users

	User	Hours Printed
1	-undisclosed-	1639d 21h 24m
2	Jerrod B.	265d 4h 41m

TOP 10 Ranked users

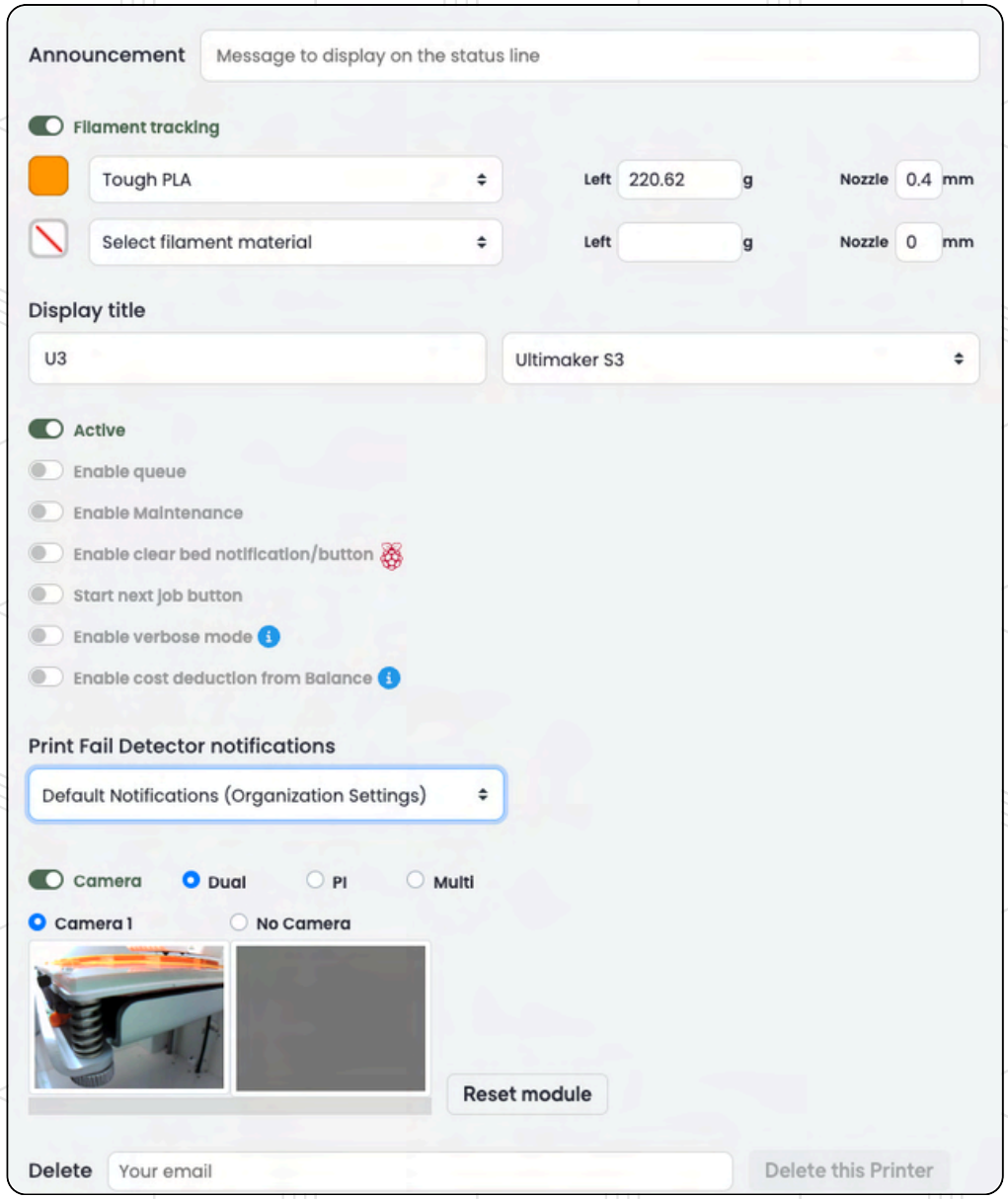
	User	Hours Printed
1	Catz Design F.	8358d 9h 14m
2	-undisclosed-	8011d 6h 46m

TOP 10 Ranked printers

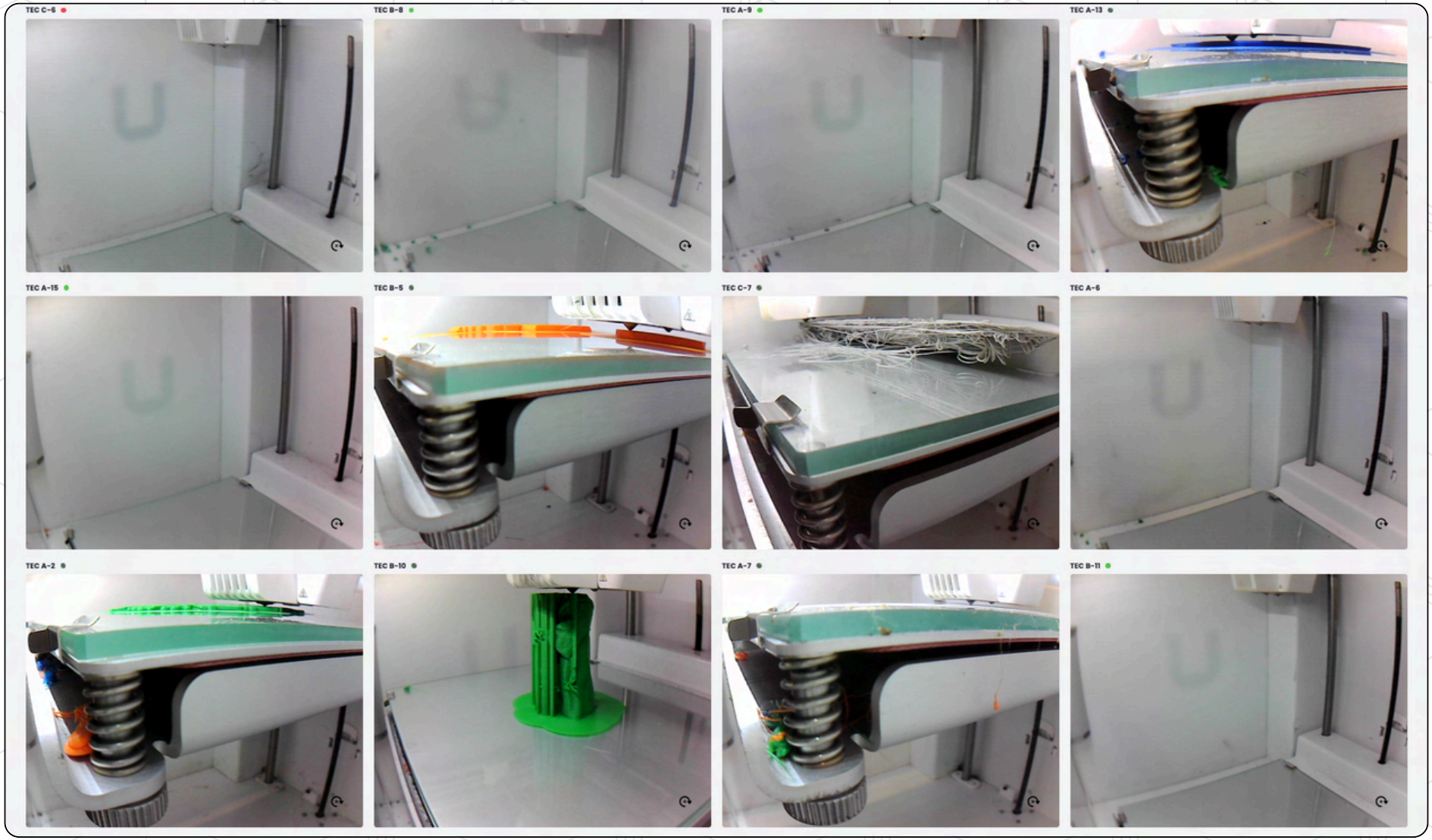
	Printer Type	Hours Printed
1	Dremel 3D45 Idea Builder	85841d 13h 2m
2	Ultimaker 2(+)	37486d 3h 31m

Printer Settings

The printer settings enable users to monitor filament levels, configure print fail detection notifications, manage camera views for print monitoring, and access advanced options like print queues, maintenance and printer location.

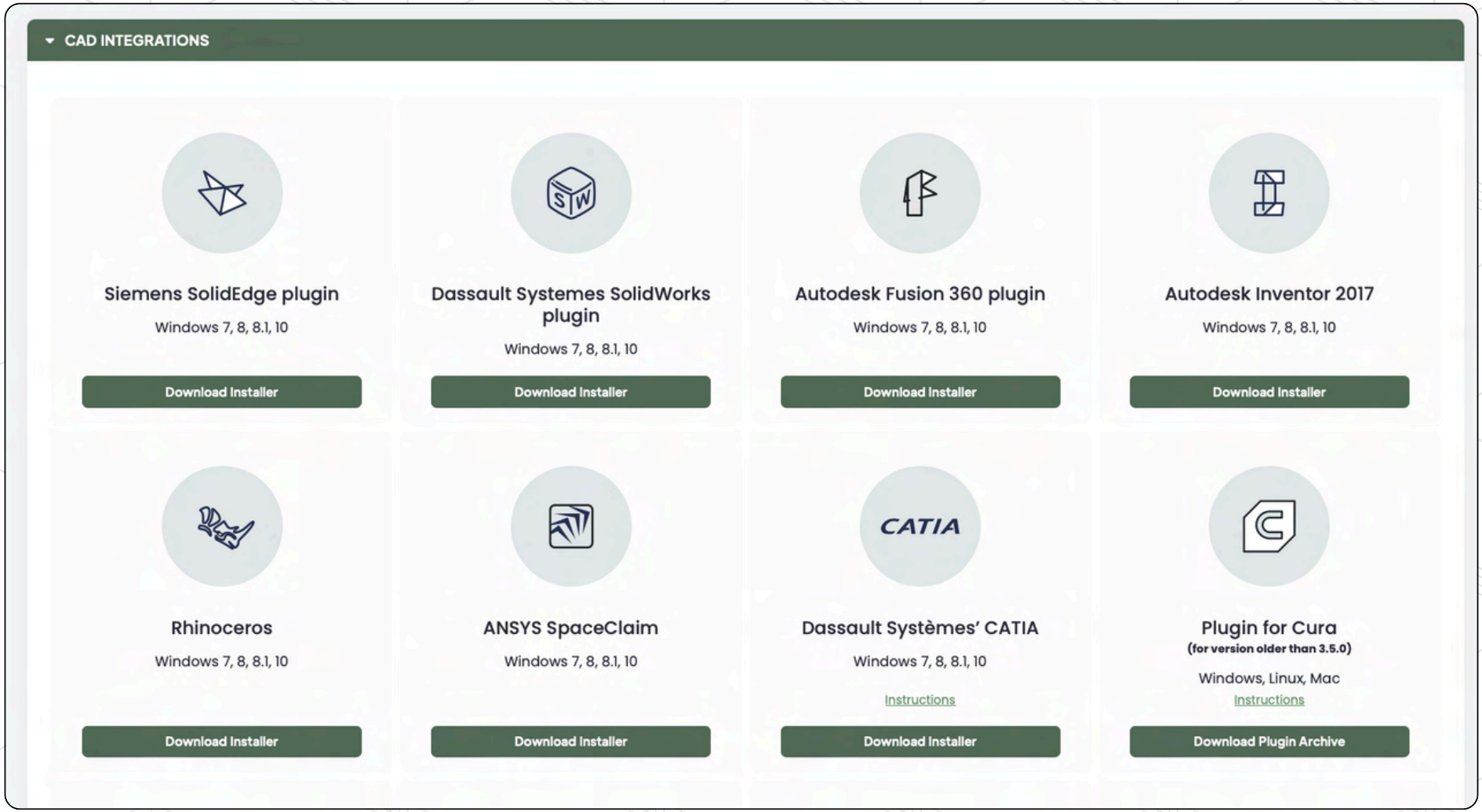


Live View Wall

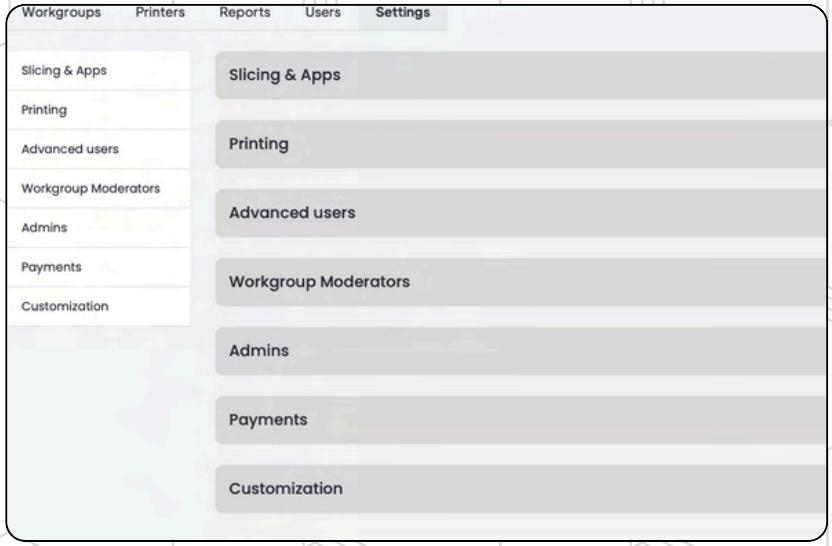


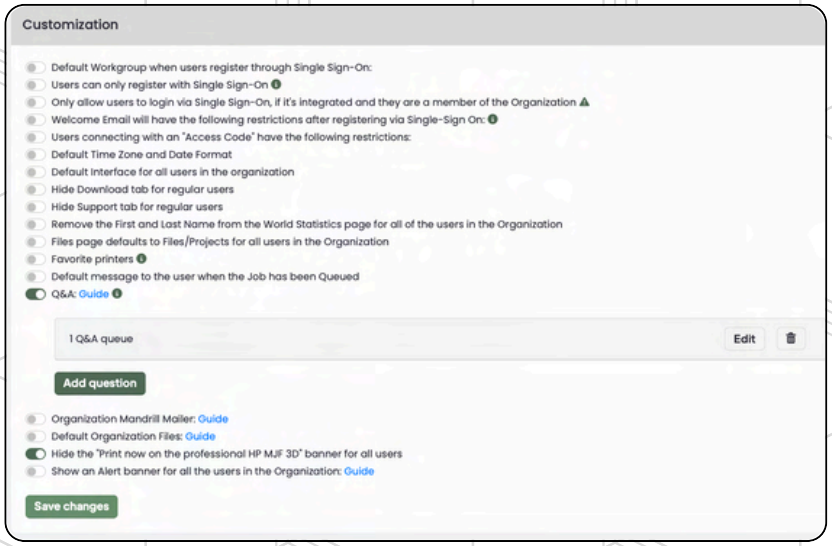
CAD Plugins

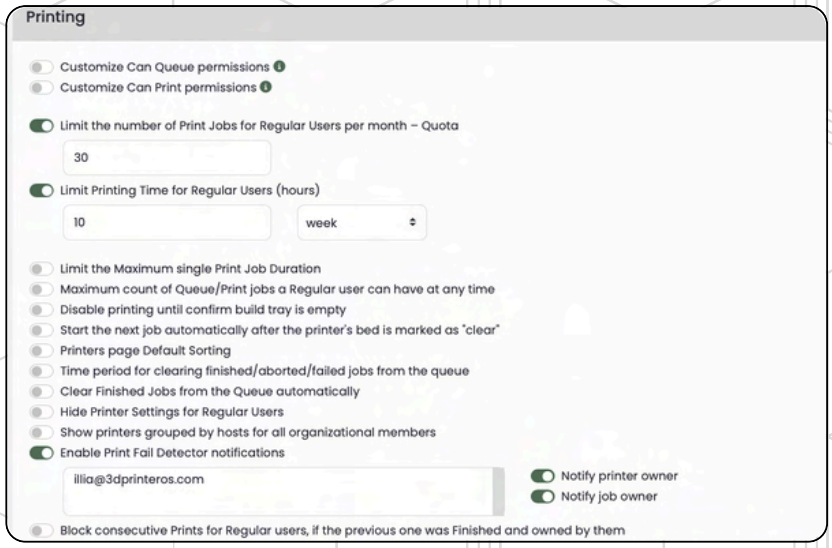
Directly print from the best CAD softwares

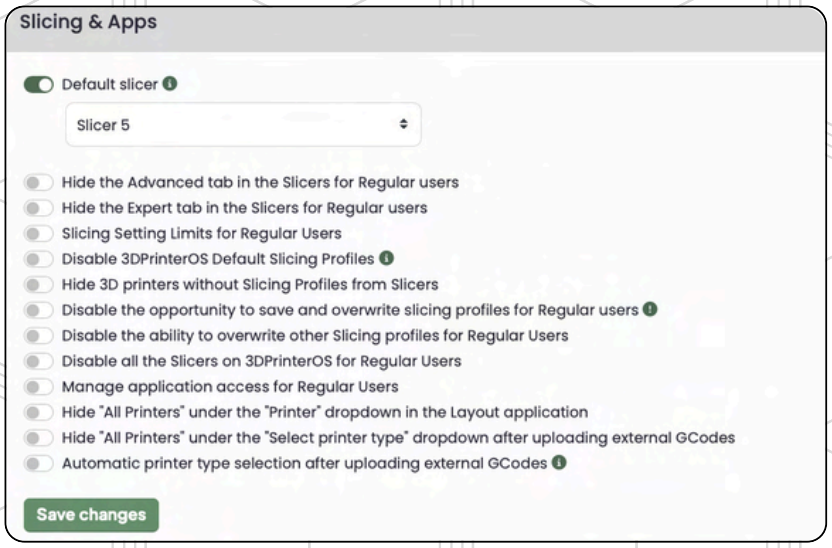


Customizable Organizational Settings



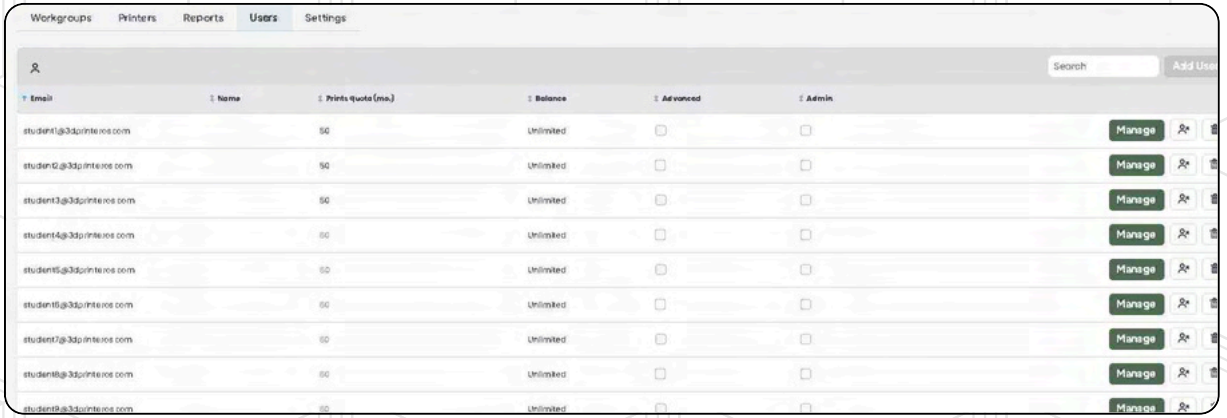


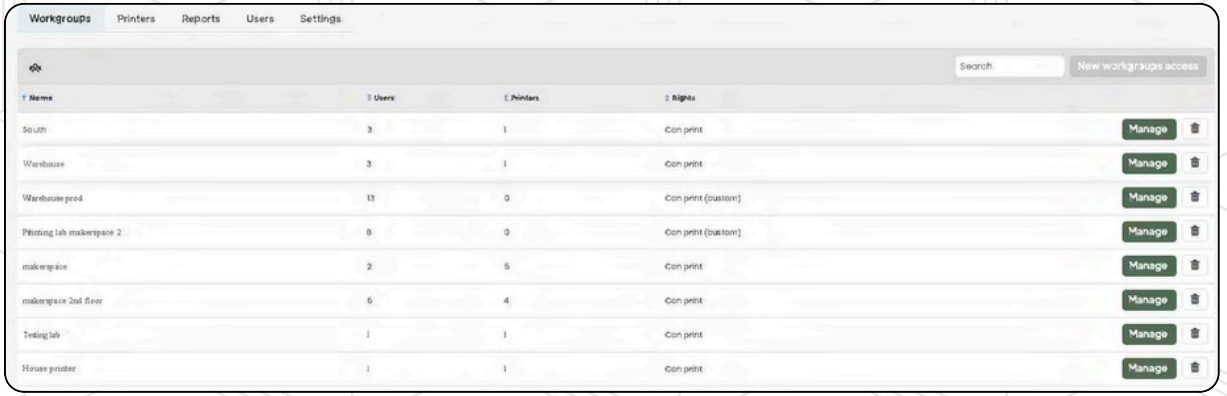




Users, Workgroups and 3D Printer Access

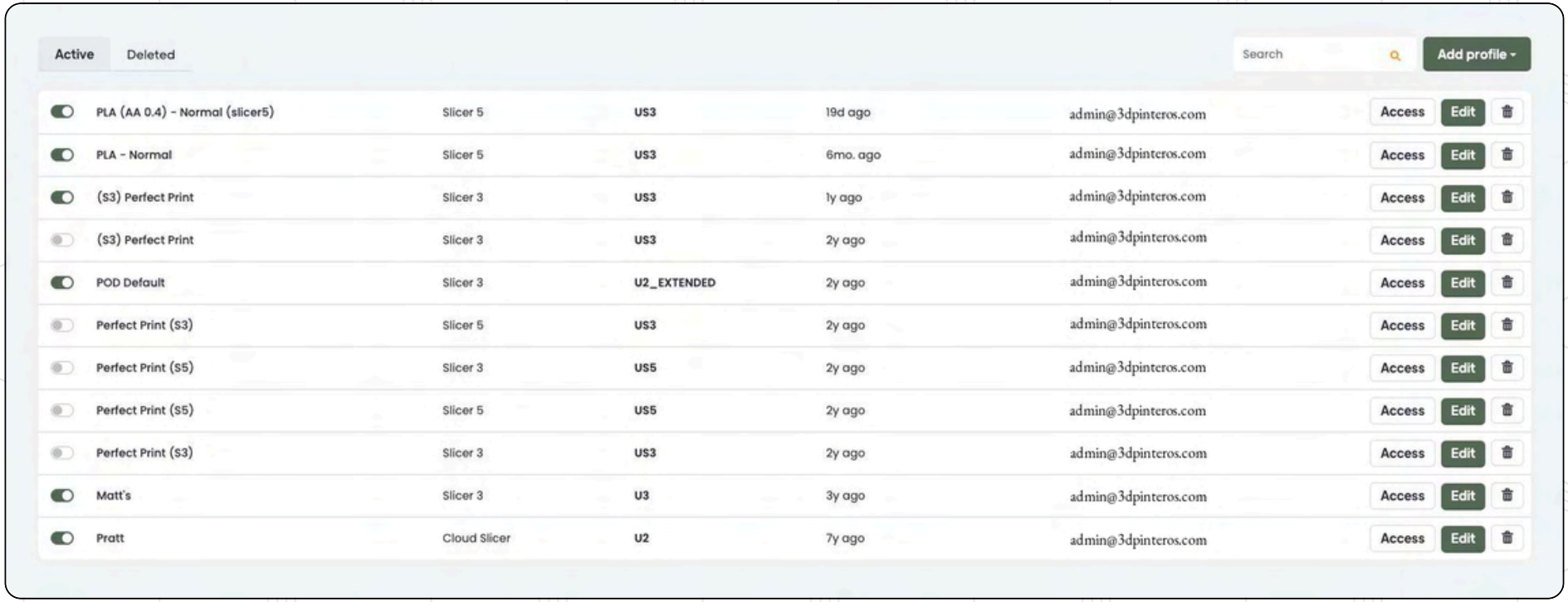
3DPrinterOS allows for effective user management through individual accounts and workgroups. Each user can access specific printers and features based on their role within the organization. Workgroups facilitate collaboration by grouping users with similar permissions, ensuring streamlined sharing of resources and information. This setup enhances security and ensures that only authorized personnel can initiate prints and manage settings, optimizing workflows in a multi-user environment.



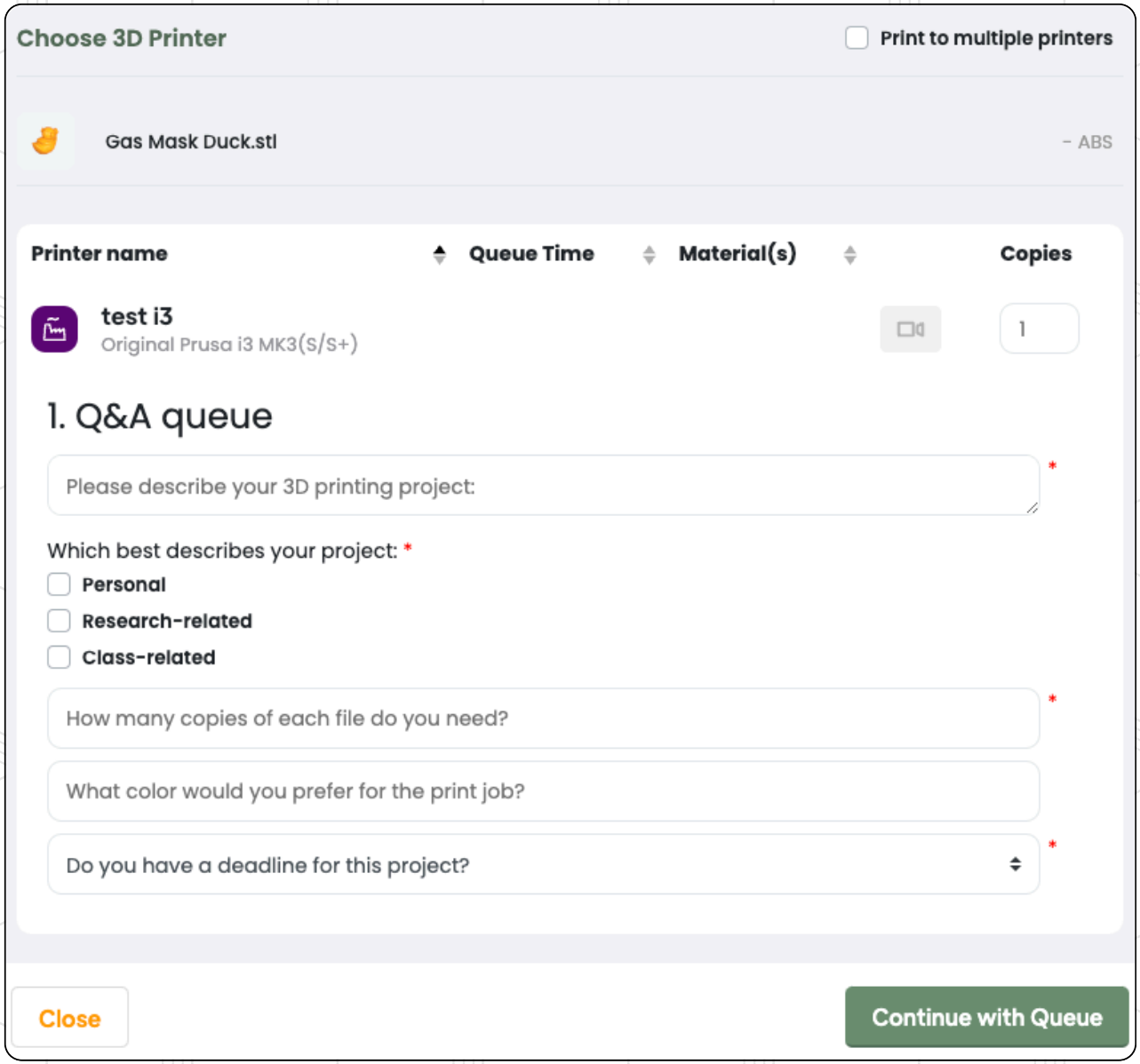


Slicing Profiles

Create, change and share slicing settings across your organization

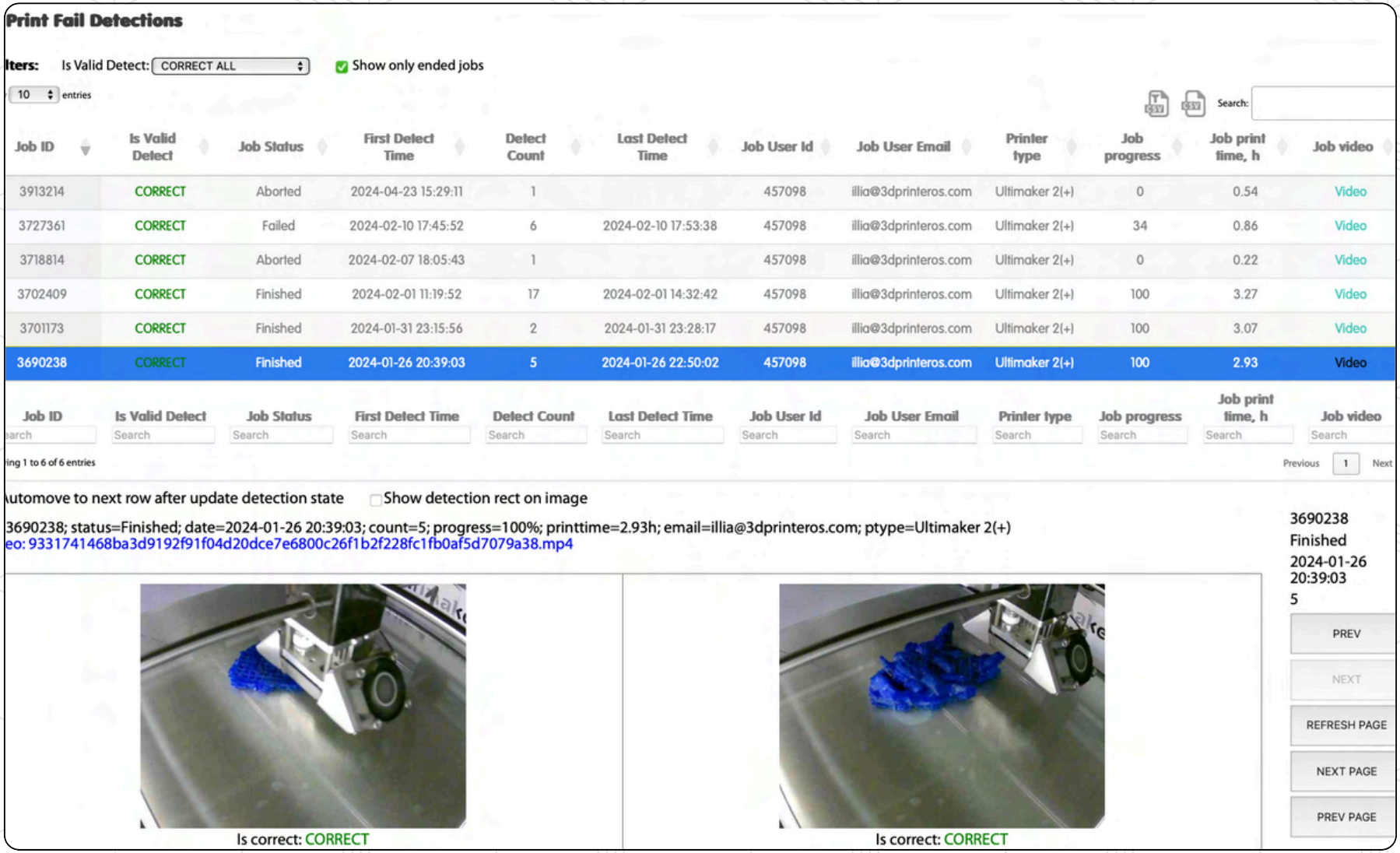


Custom Q&A Form - Collecting Information From Users

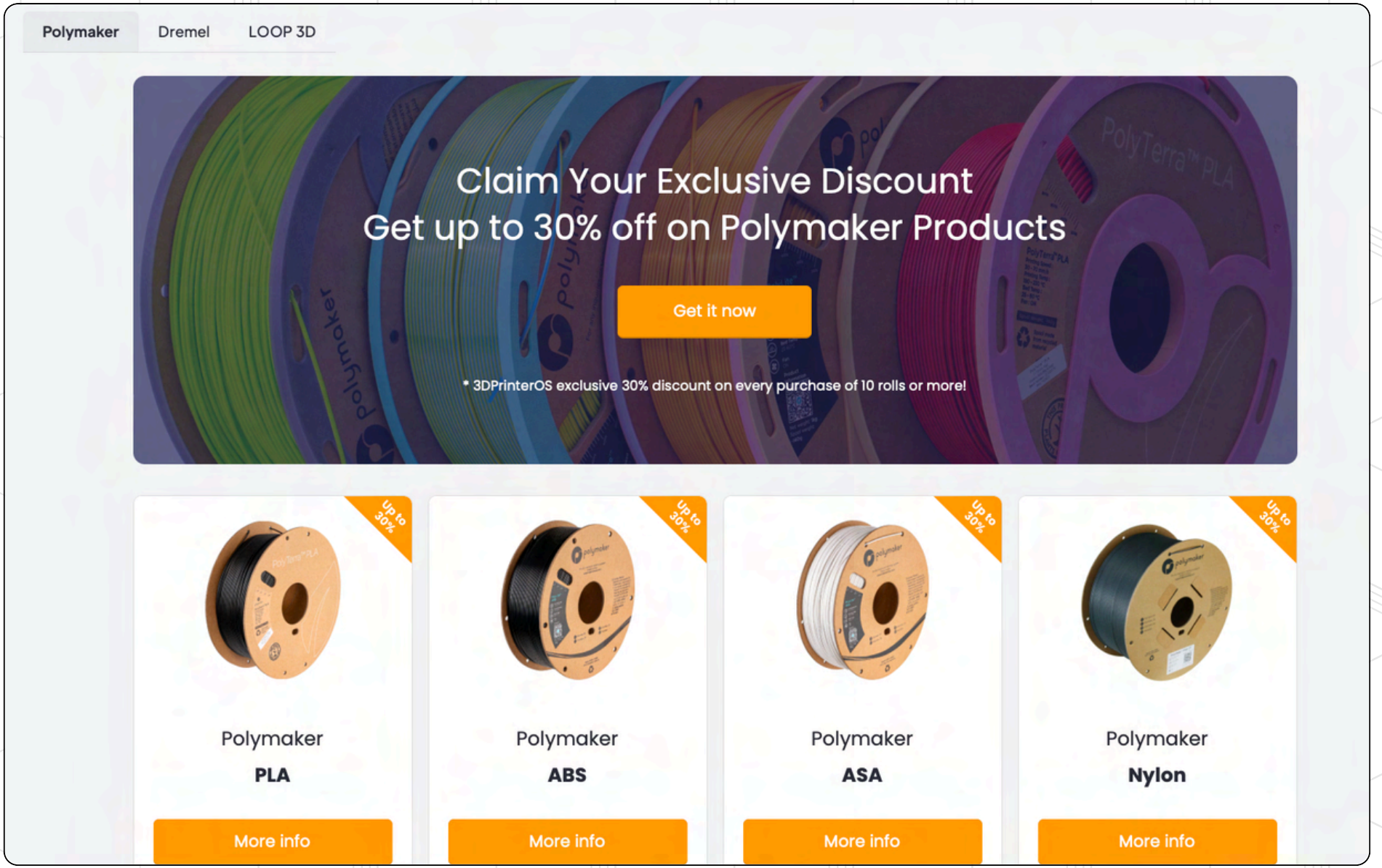


Print Fail Detector

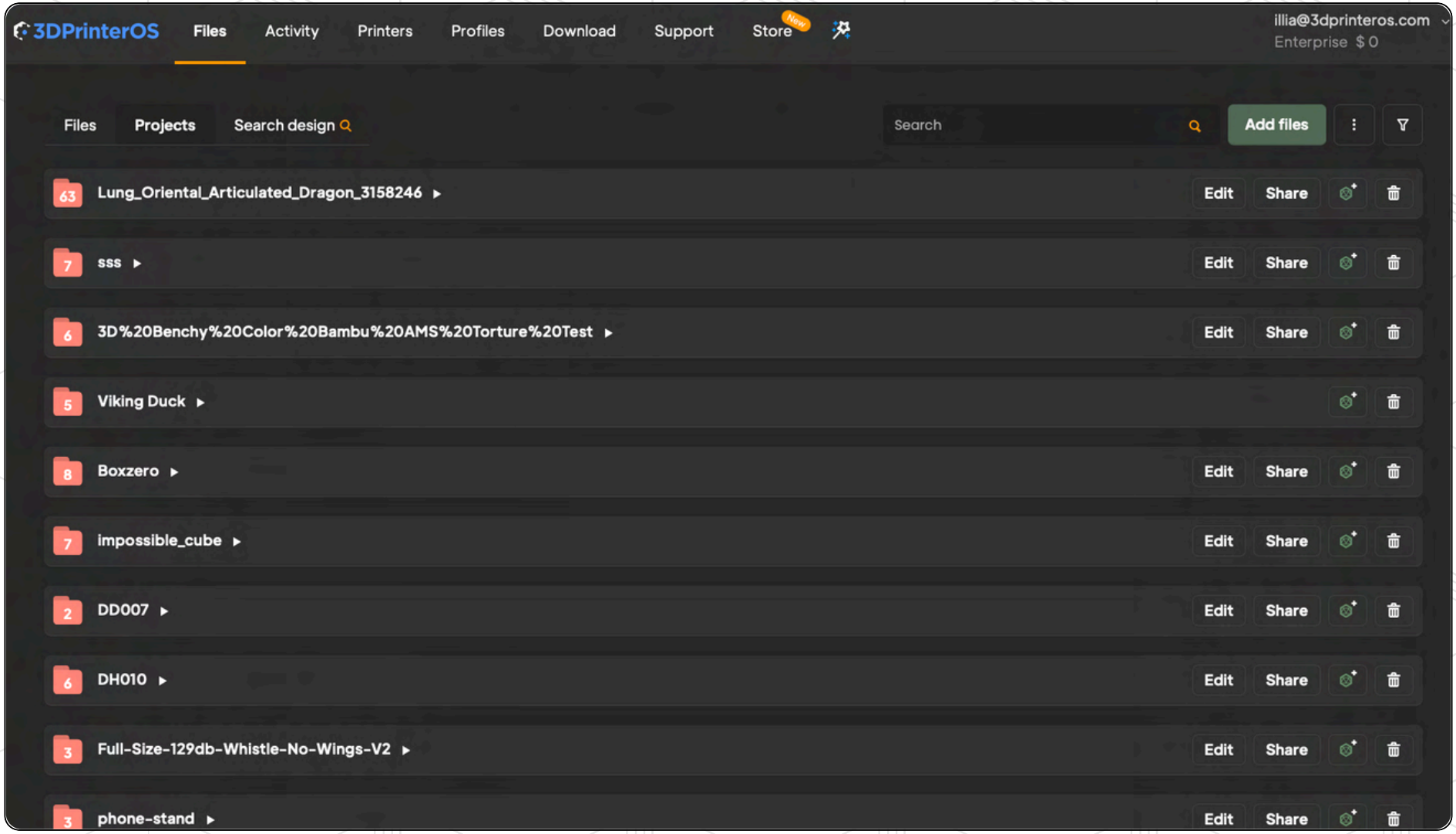
Automatically identifies potential issues such as filament jams, layer misalignment, or other anomalies that could lead to a failed print. When a problem is detected, the system promptly notifies the user via email.



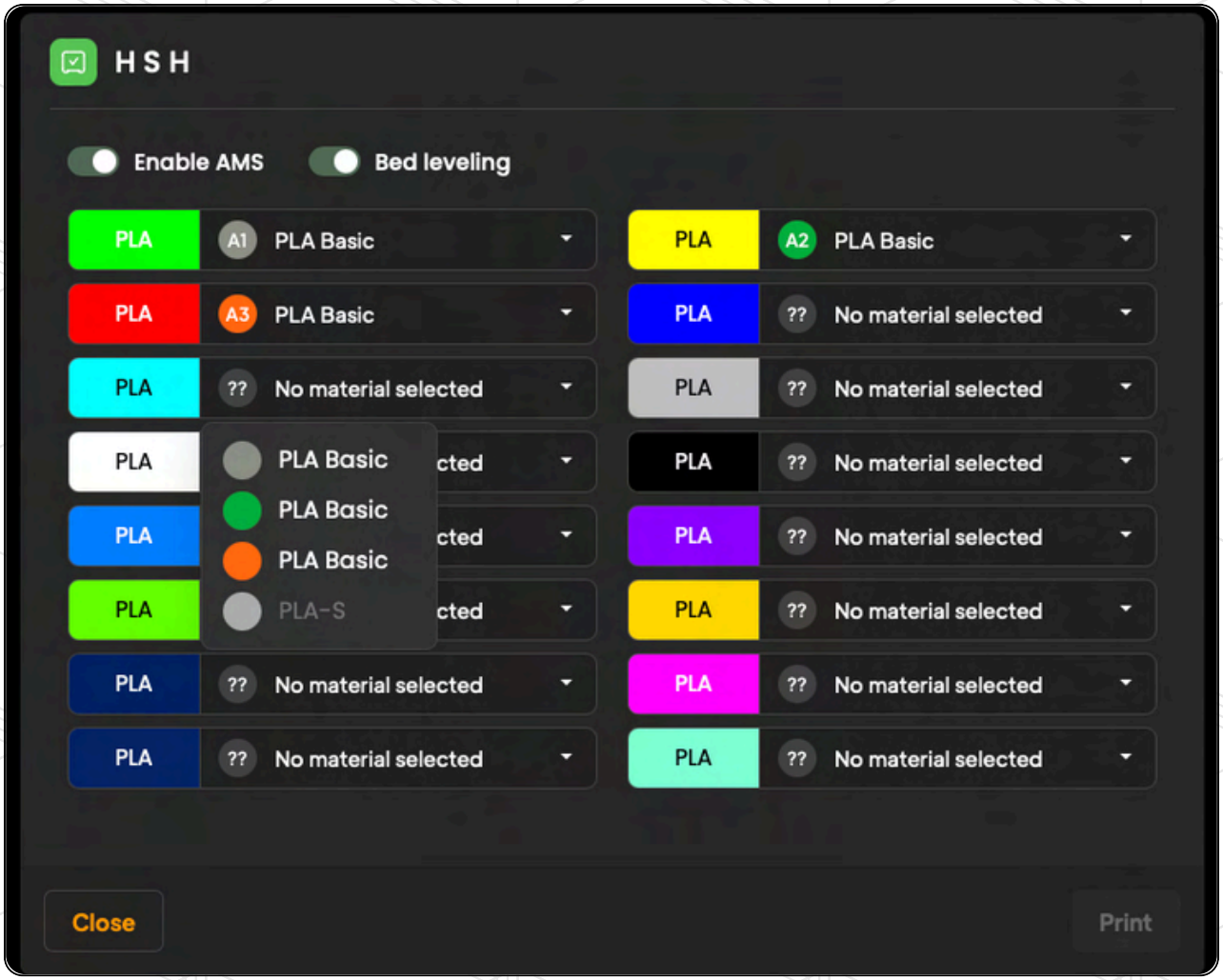
Built-in Store with Exclusive Discounts



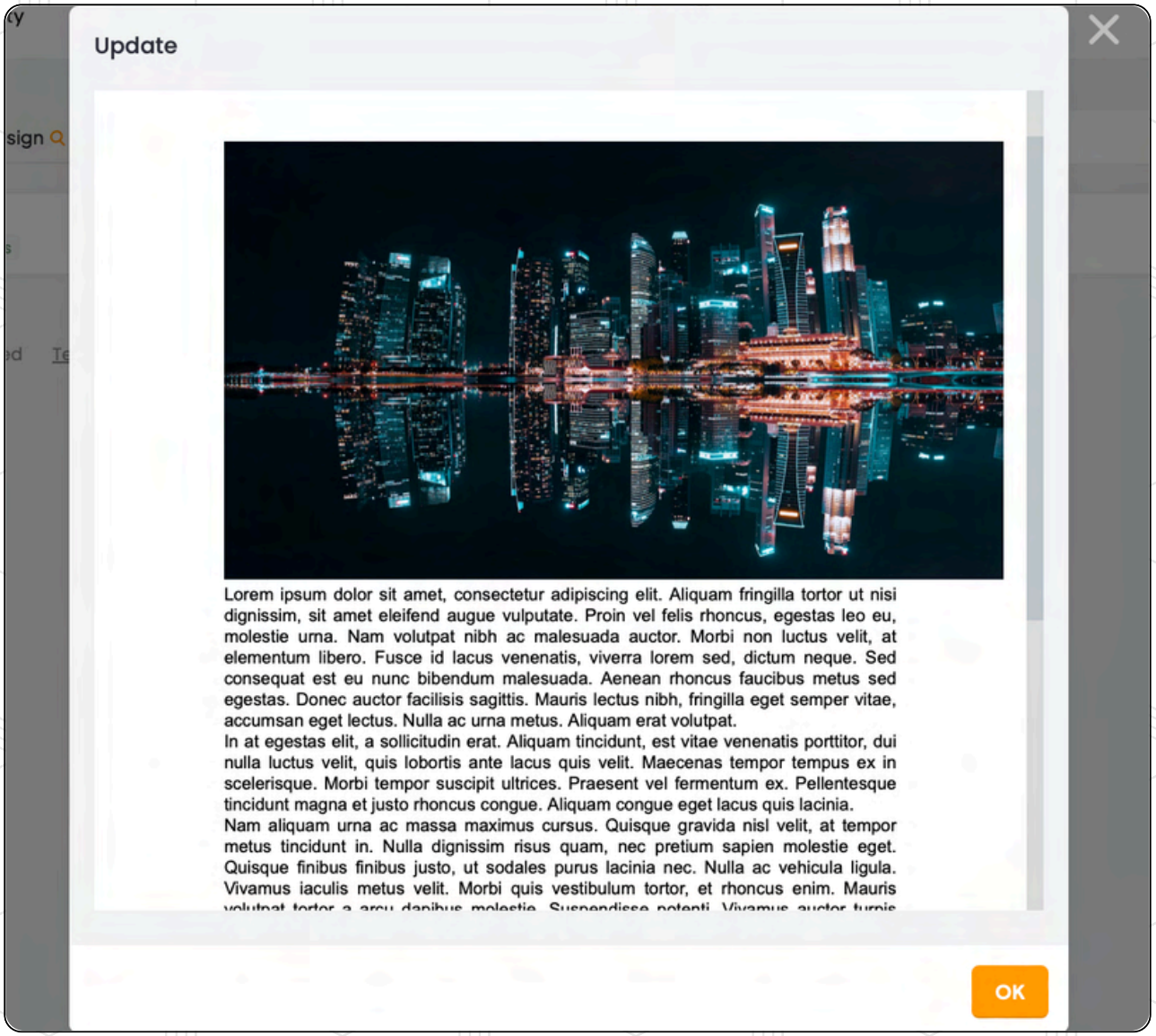
Dark Theme


3DPrinterOS
Files
Activity
Printers
Profiles
Download
Support
Store
New
illia@3dprinteros.com
Enterprise $ 0
Files
Projects
Search design
Search
Add files
63 Lung_Oriental_Articulated_Dragon_3158246
7 sss
6 3D%20Benchy%20Color%20Bambu%20AMS%20Torture%20Test
5 Viking Duck
8 Boxzero
7 impossible_cube
2 DD007
6 DH010
3 Full-Size-129db-Whistle-No-Wings-V2
3 phone-stand
Edit
Share

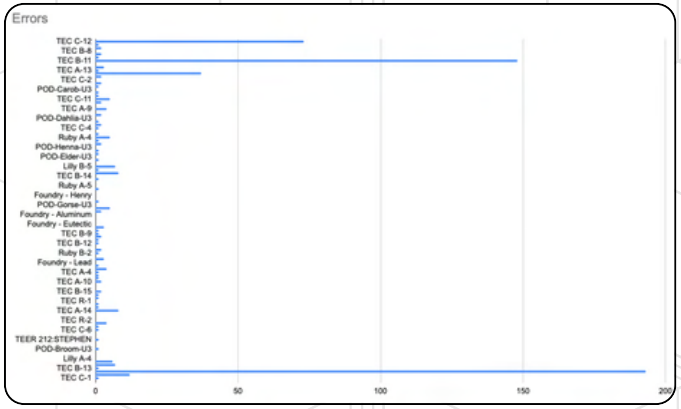
Bambu AMS (Multicolor 3D Printing)

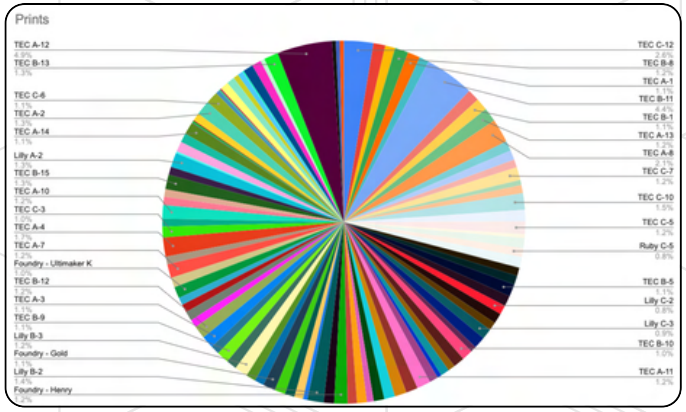


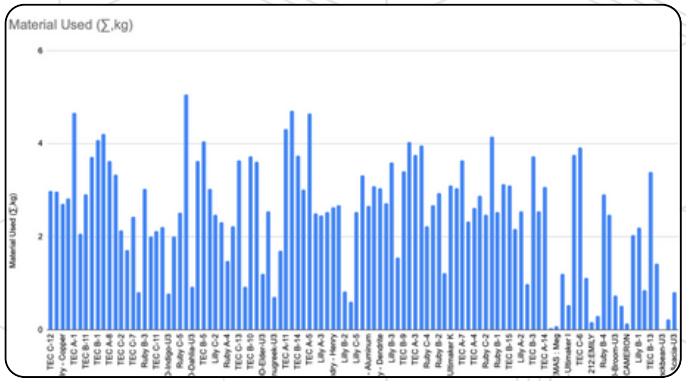
Alert Banner for All Users in the Organization



Various Reporting Tools







1 User Report

Search | Export to CSV

Account	Last Print Date/Time	Real Print Time (∑,h)	Material Used (∑,kg)	Prints (∑)	Print Errors (∑)	Material Cost (∑,$)
illia@3dprinteros.com	2024-09-19 10:34:44	182.60	0.690	137	18	5.44

2 Printer Report

Search | Export to CSV

Printer ID	Printer VID:PID:SN	Printer Name	Printer Type	Client Version	Online / Offline	Status	Account	Last Print Date/Time	Real Print Time (∑,h)	Material Used (∑,kg)	Prints (∑)	Print Errors (∑)	Material Cost (∑,$)	Host
104484	2341:0042:8533433383135191B060	Home	Ultimaker 2(+)	7.9.42stable3	offline	offline	illia@3dprinteros.com	2024-03-07 11:10:44	96.38	0.600	108	8		0x14d424

3 Usage/Audit Report

Search | Export to CSV

Job ID	Date/Time	File Name	Printer ID	Email	Material Used (kg)	Real print time (h)	Estimated print time (h)	Status	Material Cost ($)	Started by	End Date/Time
3726054	2024-02-09 18:29:51	poison_dragon__13155696.gcode	104484	illia@3dprinteros.com	0.138	16.51	16.60	Failed (Lost connection)		illia@3dprinteros.com	2024-02-10 11:00:28

4 Billing

Search | Export to CSV

Account	Year-Month	Real Print Time (∑,h)	Estimated Print Time (∑,h)	Material Used (∑,kg)	Prints (∑)	Material Cost (∑,$)
illia@3dprinteros.com	2024-02	71.67	342.92	0.522	64	

5 List Of Users in Organisation

Search | Export to CSV

Account	Workgroup ID	Workgroup Name	Admin Account
illia@3dprinteros.com			yes

6 Job cancel reasons report

Search | Export to CSV

Job ID	Printer Name	Printer Type	Client Version	File ID	Print Date/Time	Account email	Cancel reasons	Cancel details	Canceled by
4103934	Undefined printer name	Original Prusa MK4	7.27.17stable3	14655105	2024-09-06 17:50:28	illia@3dprinteros.com			illia@3dprinteros.com

7 Workgroup report

Search | Export to CSV

Workgroup name	Last Print Date/Time	Real Print Time (∑,h)	Material Used (∑,kg)	Prints (∑)	Print Errors (∑)	Material Cost (∑,kg)
test	2024-09-19 10:34:44	0.00	0.013	2	0	

8 User transactions report

Search | Export to CSV

ID	Date/Time	User Email	Status	Amount	Type	Description	Job ID	Balance before	Updater User Email
313711	2024-05-22 16:29:06	illia@3dprinteros.com	approved	-6.79	update	New job	3981443	-5.44	

9 Custom Report

Export to CSV

Job ID | Printer ID | Printer Name | Printer Type | File ID | File Name | Edited Date/Time | Account Email | Account First Name | Account Last Name | Filament
Material Cost | Status(job) | Estimated Print Time | Real Print Time | Cancel Reason | Cancel Details | Started By Account Email | Queued Date/Time
Started Date/Time | Ended Date/Time | Feedback | Question 1

Private Cloud Deployment

DEPLOY OUR PLATFORM ONTO YOUR SERVERS:

Microsoft Azure

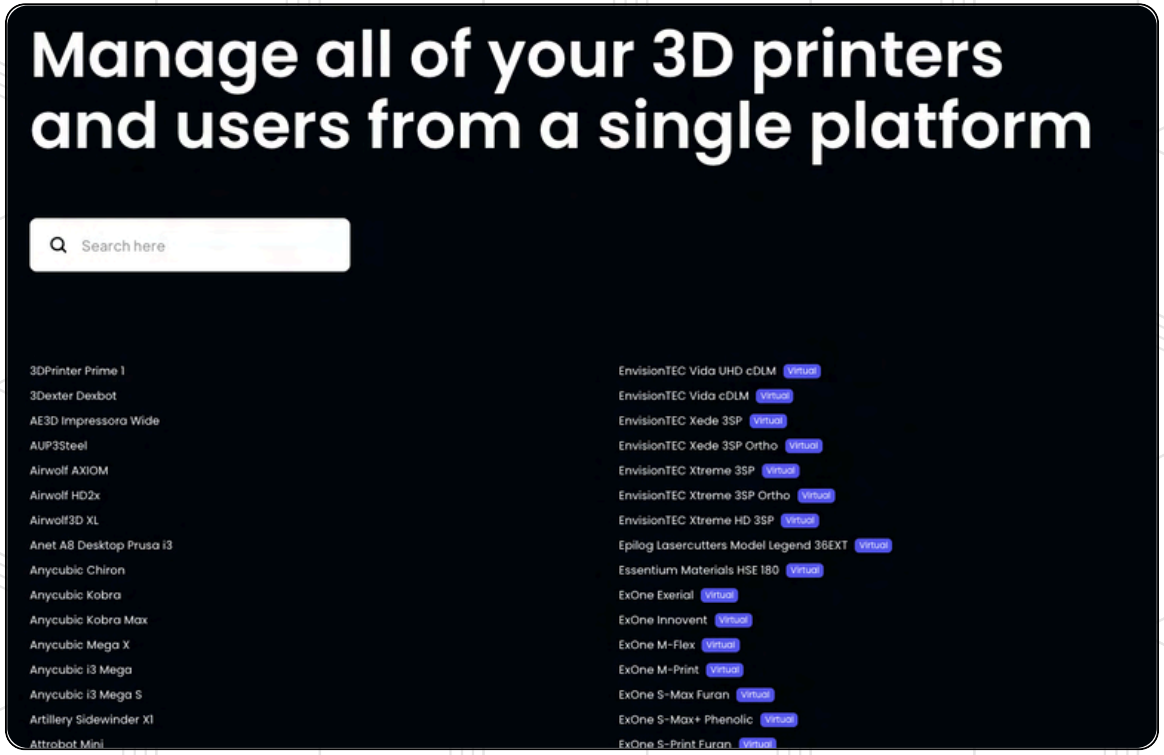
aws

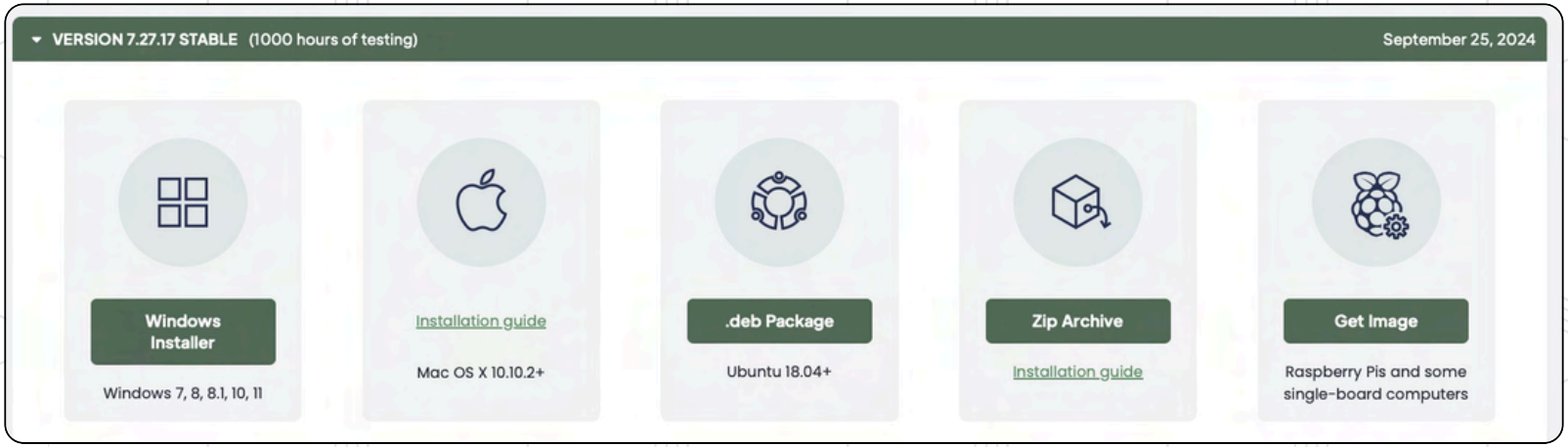
Google Cloud

LOCAL SERVER

- Increase business focus Free your valuable IT staff from routine administrative chores, patching and maintenance to focus on adding value to the business
- The service can be aligned to your business needs day one and scaled as required based on your business growth.
- Report on users printing time, filament used, usage history and success rates over time.
- Combine printers from different OEM's to standardize access portals.
- Monitor work group printers for maintenance, track uptime and easily scale your additive manufacturing infrastructure.
- Admins can restart prints with a single click and see a full audit trail of all file details.

Install our Client on any Major Operating System
We support over 1,000+ printers





3DPrinterOS

A 3D Control Systems Solution

Thank You for Exploring 3DPrinterOS!

We hope this feature list helps you unlock the full potential of 3DPrinterOS for all your printing needs. For more information and detailed guidance, check out the following resources:

- Help Documentation: Visit our Help Center for comprehensive articles and FAQs.
- Registration: Sign up for 3DPrinterOS to start managing and monitoring your 3D printing projects.
- Official Website: Visit our Website to learn more about 3DPrinterOS and our latest updates.