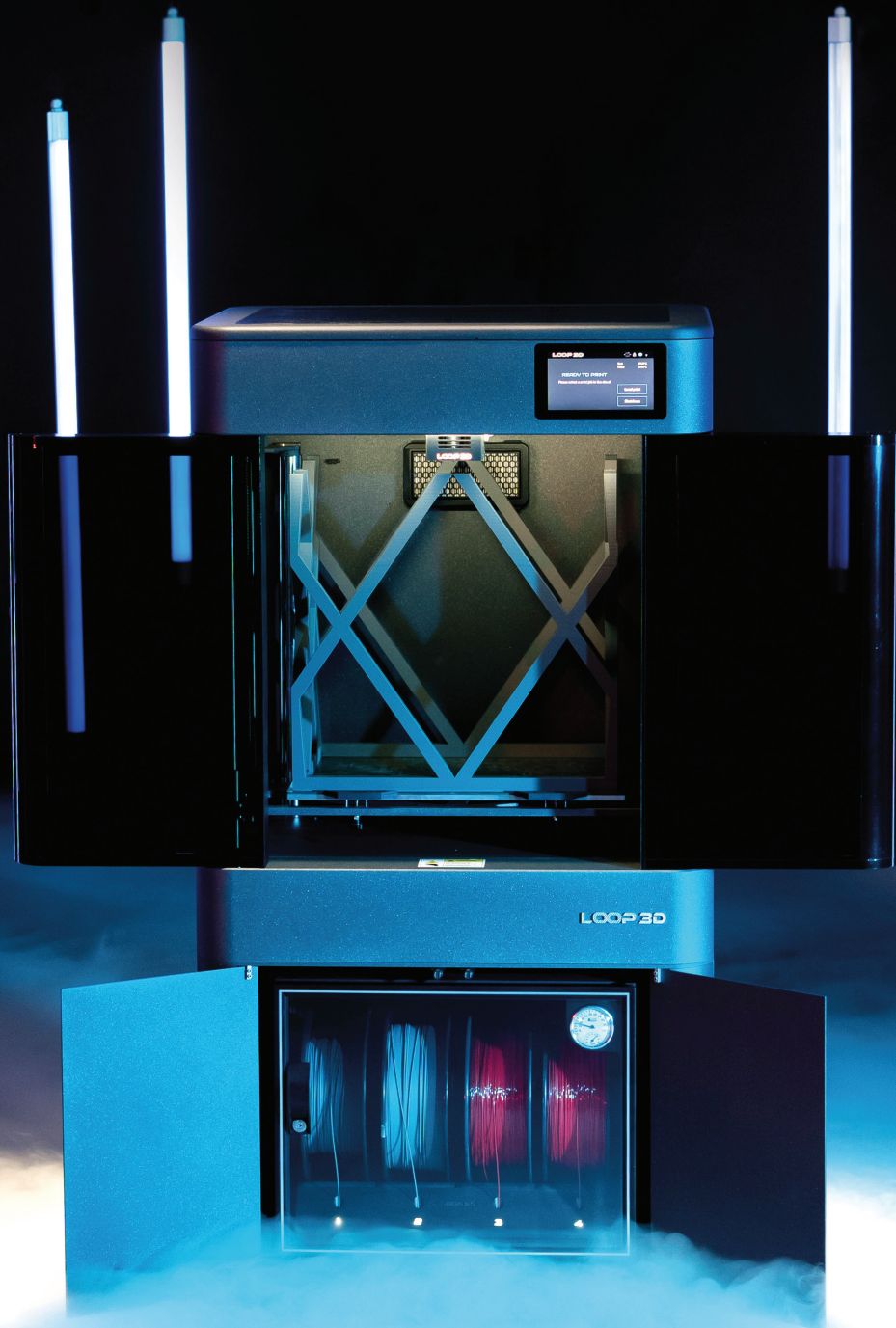


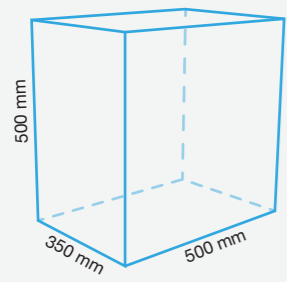
LOOP PRO X+

Large Format Composite 3D Printers



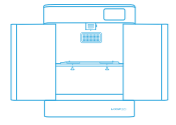
LOOP 3D

Maximize Your Efficiency



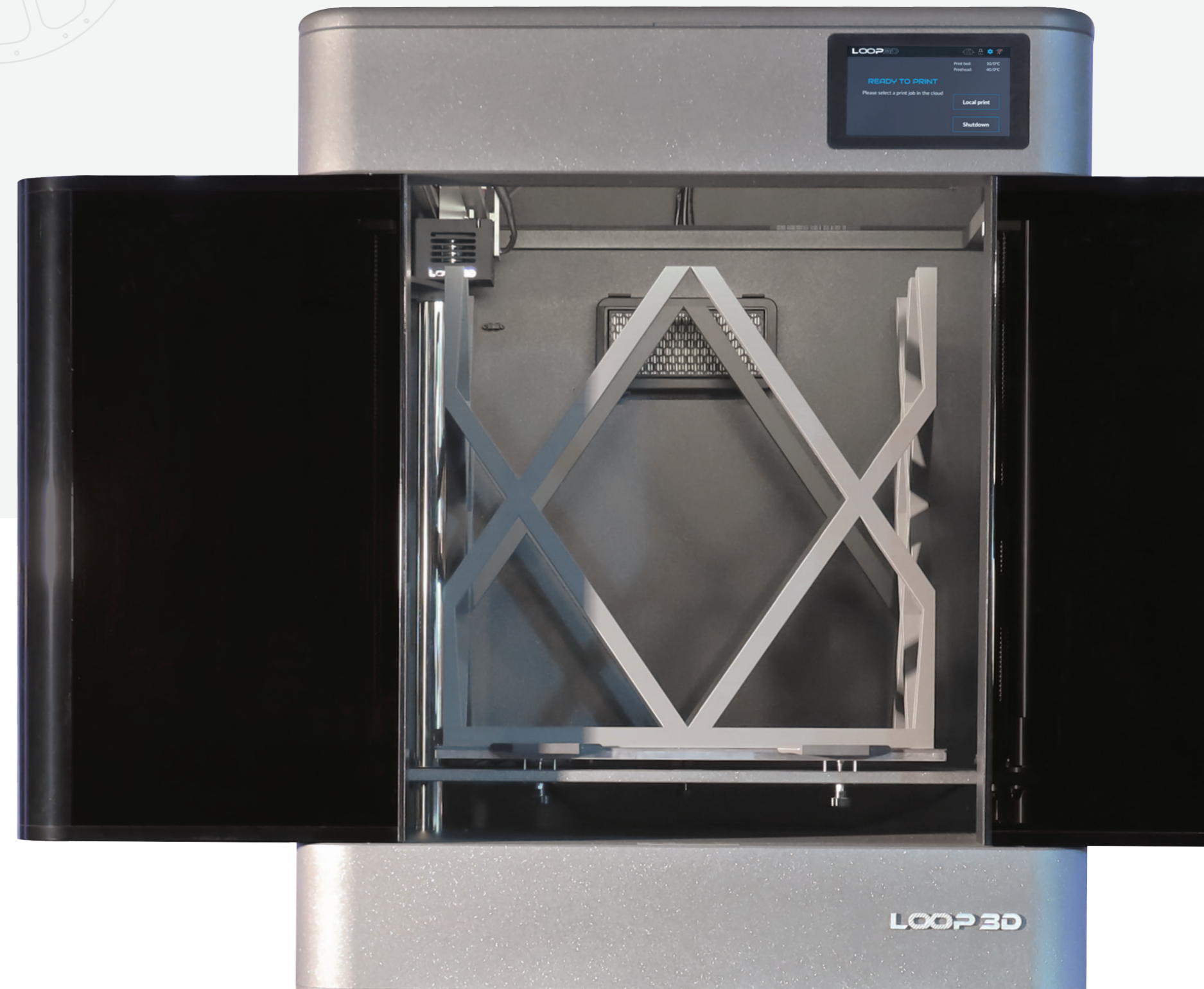
Large Build Volume

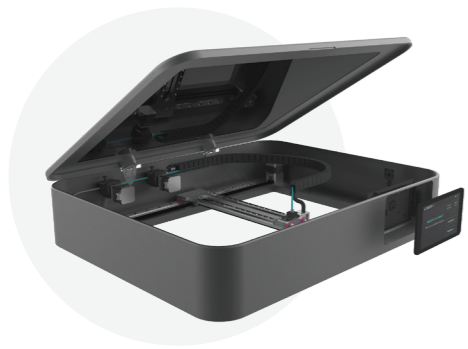
500 x 350 x 500 mm build volume allows printing large models in one piece and smaller models in multiple quantities.



Automatic Sliding Doors

To ensure convenience and safety, automatic sliding doors with a user-friendly design have been incorporated into LOOP PRO X+. The doors are a unique addition that complements the machine's form and minimizes the risk of accidents.





CNC-Milled Unibody Aluminum Casting

CNC-milled unibody aluminum casting and specially engineered mechatronics ensure high rigidity, minimal vibration, outstanding dimensional accuracy, and unparalleled surface quality.



Ambient Led Light

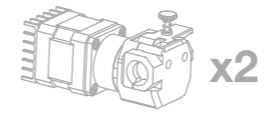
When the printing process starts, the LED lights turn on until the printing is finished. These lights let the user know that the printer is currently in use, making it easy to check the machine's status at a glance.



Effortless support removal with game-changing surface quality

Flexible Build Plate

Get consistent results with magnetic spring steel sheet and PEI film to firmly embed the model on the surface and remove it fast when the job is done.



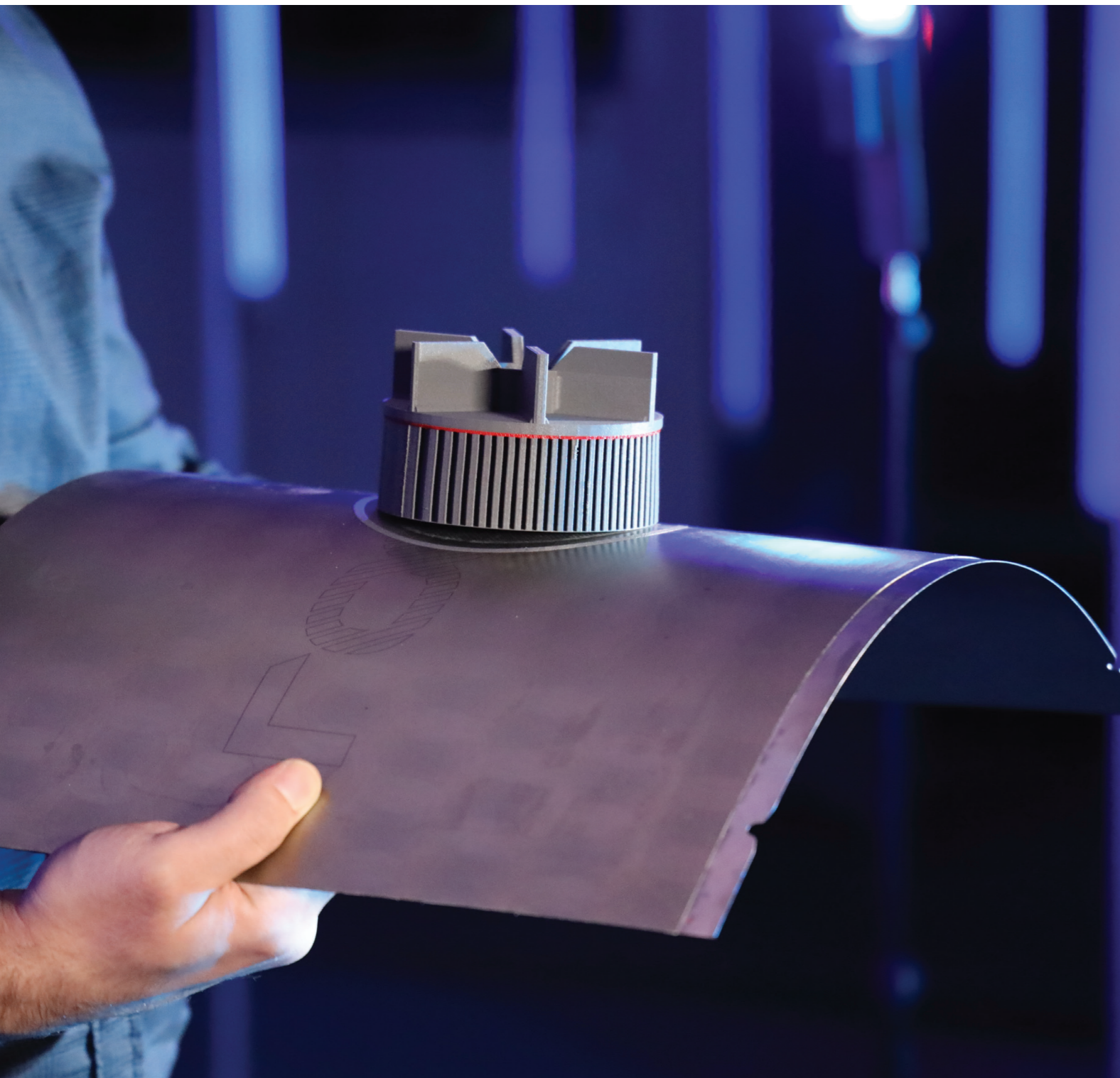
Dual Extruders

With our state-of-the-art modular printhead and dual extrusion system, it's possible to achieve multi-material printing.



Breakaway Support

The DYNAMIDE® BREAKAWAY is a special kind of support material that allows users to easily remove support as needed. It is designed to break away quickly from the printed part, leaving a smooth finish.



DYNAMIDE®
BREAKAWAY SUPPORT



Modular Printhead



Plug & Play Maintenance

The purpose of modular electronic components is to minimize potential issues and avoid the need for on-site technical service. As a result, issues can be quickly resolved without causing long downtimes.



LOOP 3D
Core+



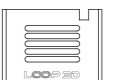
LOOP 3D
Core



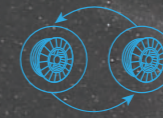
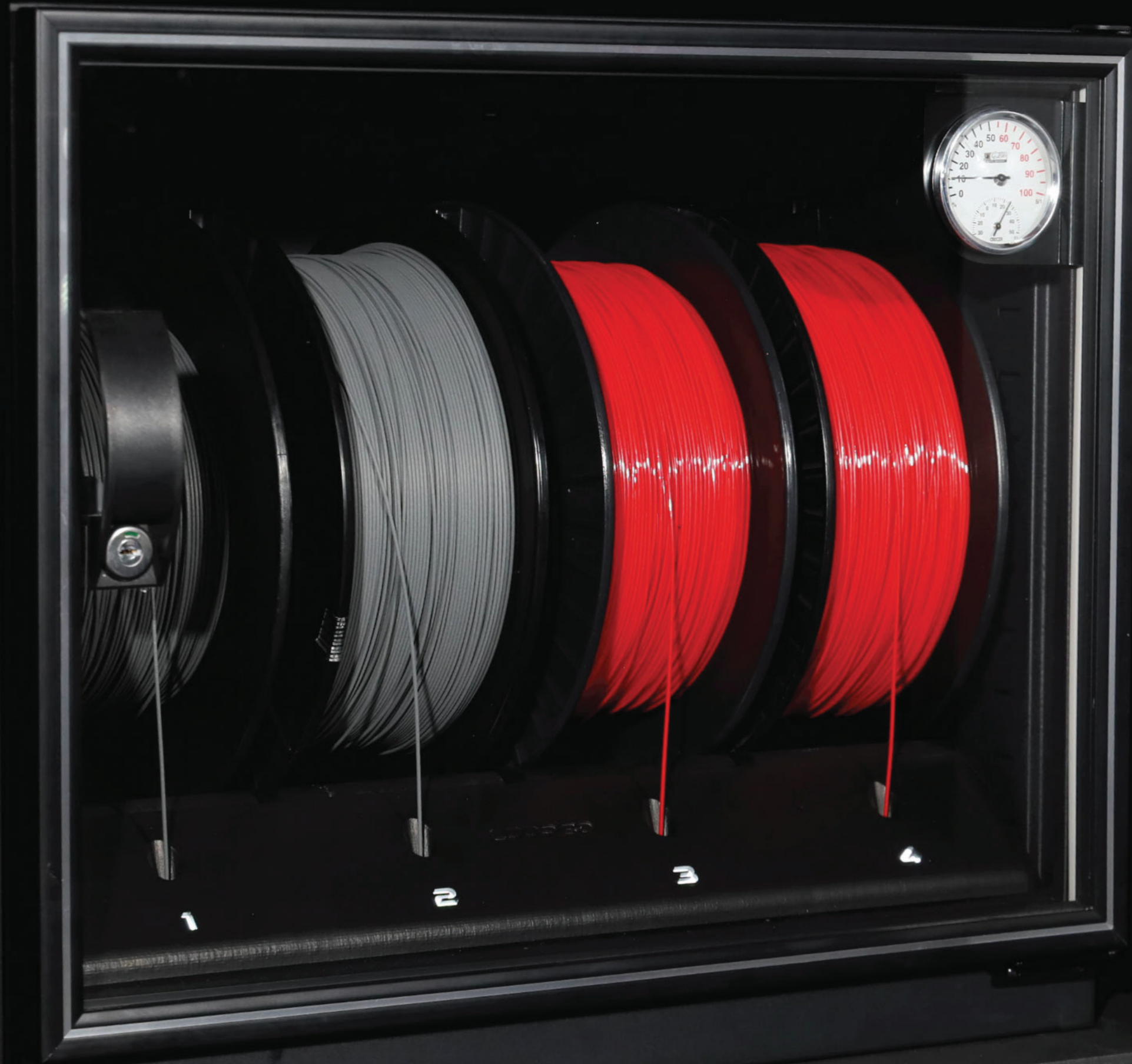
LOOP 3D
Connect



Calibration
Check Tool



LOOP 3D
Printhead



Automated Filament Changeover

LOOP PRO X+ is a smart solution suitable for both experienced professionals and beginners. It offers a simplified and automated workflow. The printer can detect when the filament runs out during printing and automatically switch to spare ones, avoiding incomplete prints and saving operators time. Say goodbye to disappointments and wasted time.

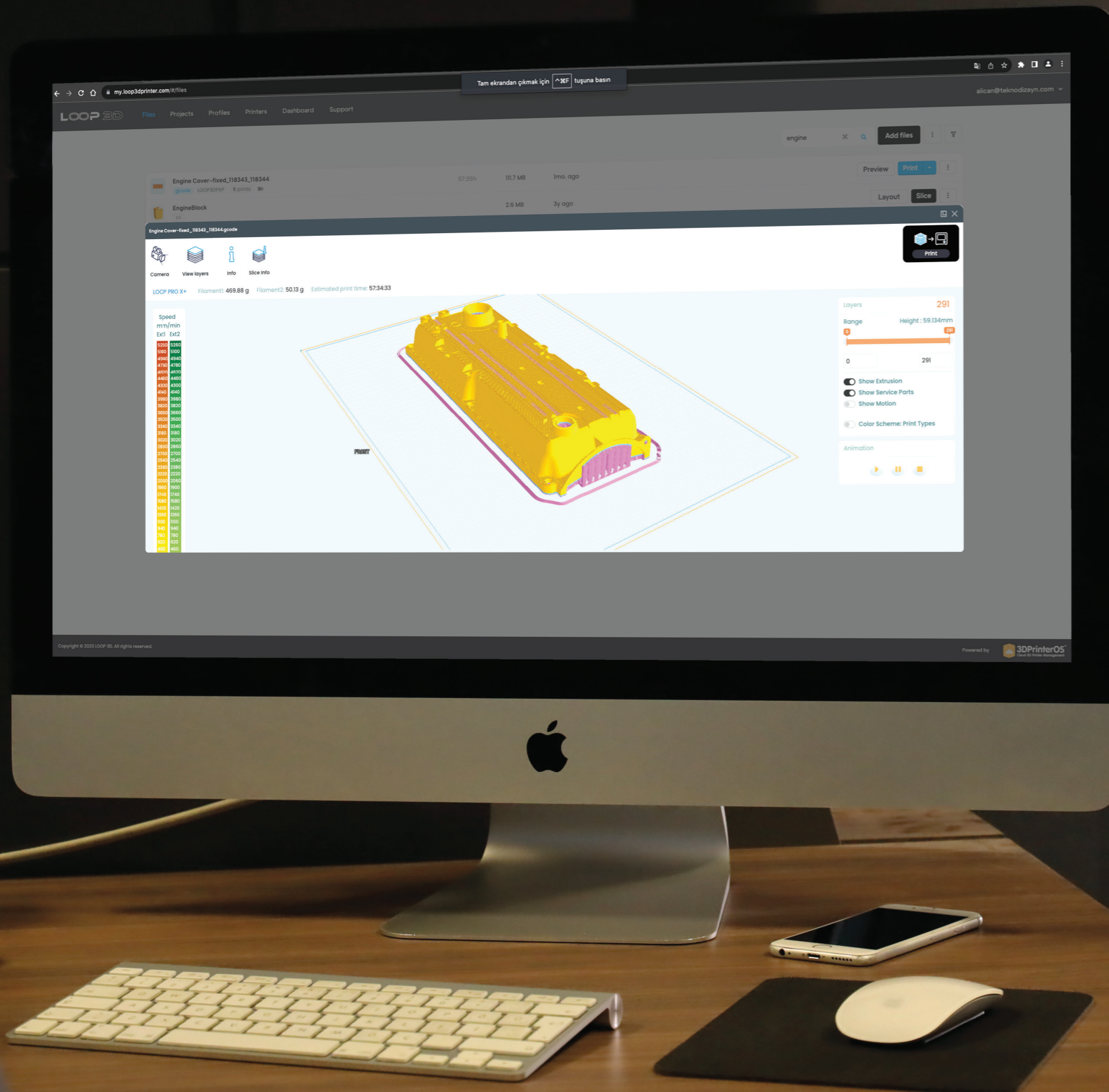


Printhead Cleaning Station

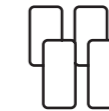
Thanks to the printhead cleaning station, the nozzle tip is cleaned every time a material switch occurs, ensuring that any residual artifacts are removed, and print quality is not affected.

LOOP 3D CLOUD 2.0

BROWSER BASED SLICING



Print your design directly from the browser without the need to install any software



Fleet Management

Manage a fleet of 3D printers from one workstation to print series of end-use parts.



Remote Monitoring

Easily control and oversee your printers remotely through the laptop, tablet, or mobile phone. Stay informed about print jobs with email notifications and timelapse videos.



Admin-User Levels for Printer Management

Users can be authorized to send print jobs directly to the printer or add them to the queue based on the organization's specific needs.



Expert Mode

For more advanced users, expert mode is optionally available

To use LOOP 3D CLOUD, internet access is necessary. However, to enhance security measures, a fully offline version (on-premise) of LOOP 3D CLOUD is available upon request and needs to be purchased separately. For further details, kindly inquire with LOOP 3D Sales Representatives.

DYNAMIDE®

ENGINEERING GRADE MATERIALS

Strong, durable filaments with high thermal resistance for effortless printing of end-use parts, functional prototypes and low volume manufacturing.



Material: DYNAMIDE® GF

Other Post Processing Options

Vapor Smoothing

There are many available options for post-processing. The DYNAMIDE® composite materials utilized by LOOP 3D are compatible with chemical vapor smoothing technology. Although the surface finish is already superior to many other FDM or FFF 3D printers without post-processing, parts can match the injection molding quality after post-processing.



Advantages of Vapor Smoothing

Advanced Mechanical Properties

Dimensional Accuracy

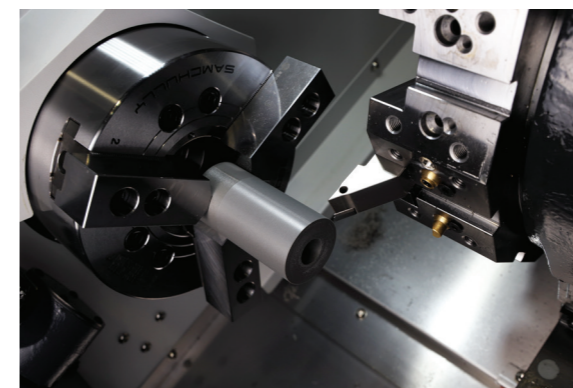
Color Enhancement

Injection Molding Level Surface Quality

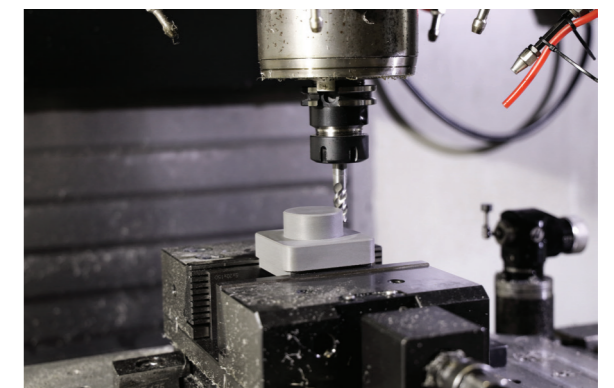
Sealing Against Liquid & Gas

Reduction in Bacteria Formation

CNC Turning



CNC Milling



LOOP PRO X

LOOP PRO X+

| | | |
|---|---|--|
| Build Volume | 500x350x500 mm (87,5 Litres) | 500x350x500 mm (87,5 Litres) |
| Available Materials | DYNAMIDE® CF, DYNAMIDE® GF, DYNAMIDE® ASA, DYNAMIDE® PA | DYNAMIDE® CF, DYNAMIDE® GF, DYNAMIDE® ASA, DYNAMIDE® PA, DYNAMIDE® SS, DYNAMIDE® BREAKAWAY |
| 3rd Party Materials | Open Material System | Open Material System |
| Chassis Material | CNC-Milled Unibody Aluminum Casting | CNC-Milled Unibody Aluminum Casting |
| Modular Electronics | LOOP 3D Core, LOOP 3D Connect | LOOP 3D Core+, LOOP 3D Connect |
| Number of Extruders | 1 | 2 |
| Number of Printheads | 1 | 1 |
| Material Loading | Software assisted / Manual | Hardware assisted / Automatic |
| Material Run-Out Detection | Software tracking only | Yes |
| Automatic material changeover after run-out | - | Yes |
| Soluble or Breakaway Support / Multi-Material Printing | - | Yes |
| Automatic Cover Locks | - | Yes |
| Online Software | LOOP 3D CLOUD 2.0 | LOOP 3D CLOUD 2.0 |

