



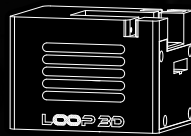
# LOOP PRO X

INDUSTRIAL GRADE 3D PRINTER



LOOP 3D  
CORE

The image shows a white, rectangular device with rounded corners. The top edge features a blue connector labeled "EVRom" and a silver metal connector. The bottom edge has a blue Ethernet cable, a black cable, and a green terminal block. A flat ribbon cable is also connected to the bottom. The device is mounted in a dark, textured enclosure.



## MODULAR ELECTRONICS

Modular electronic components are designed to minimize the damage of potential issues without creating the need for on-site technical service. With different box designs that help to categorize the problems, the boxes are maintained according to the problem type, that is determined by spot detection. Any potential issue can be solved very fast without the risk of long downtimes.



Guaranteed 3D printing accuracy even with the largest parts



# MATERIALS

**DYNAMIDE®** is the brand of **fiber reinforced composite filaments** that have excellent mechanical and physical properties. It is not only premium class material, which competes with many well-known materials in the industry, but also it is cost-effective. That makes DYNAMIDE® materials unique in the market. Materials are suitable for end-use parts and low volume manufacturing.

**DYNAMIDE® CF** is suitable for printing end-use parts, functional prototypes as well as low volume production in application areas that require robustness and thermal resistance.

**DYNAMIDE® GF** is suitable for printing end-use parts, functional prototypes as well as low volume production in application areas that require lightness as well as high strength and exceptional thermal resistance.



## POST PROCESSING

Materials can be easily post-processed with chemical polishing or vapor smoothing machines.



Expert Mode



Live Stream



Remote Tech Support



Fleet Management



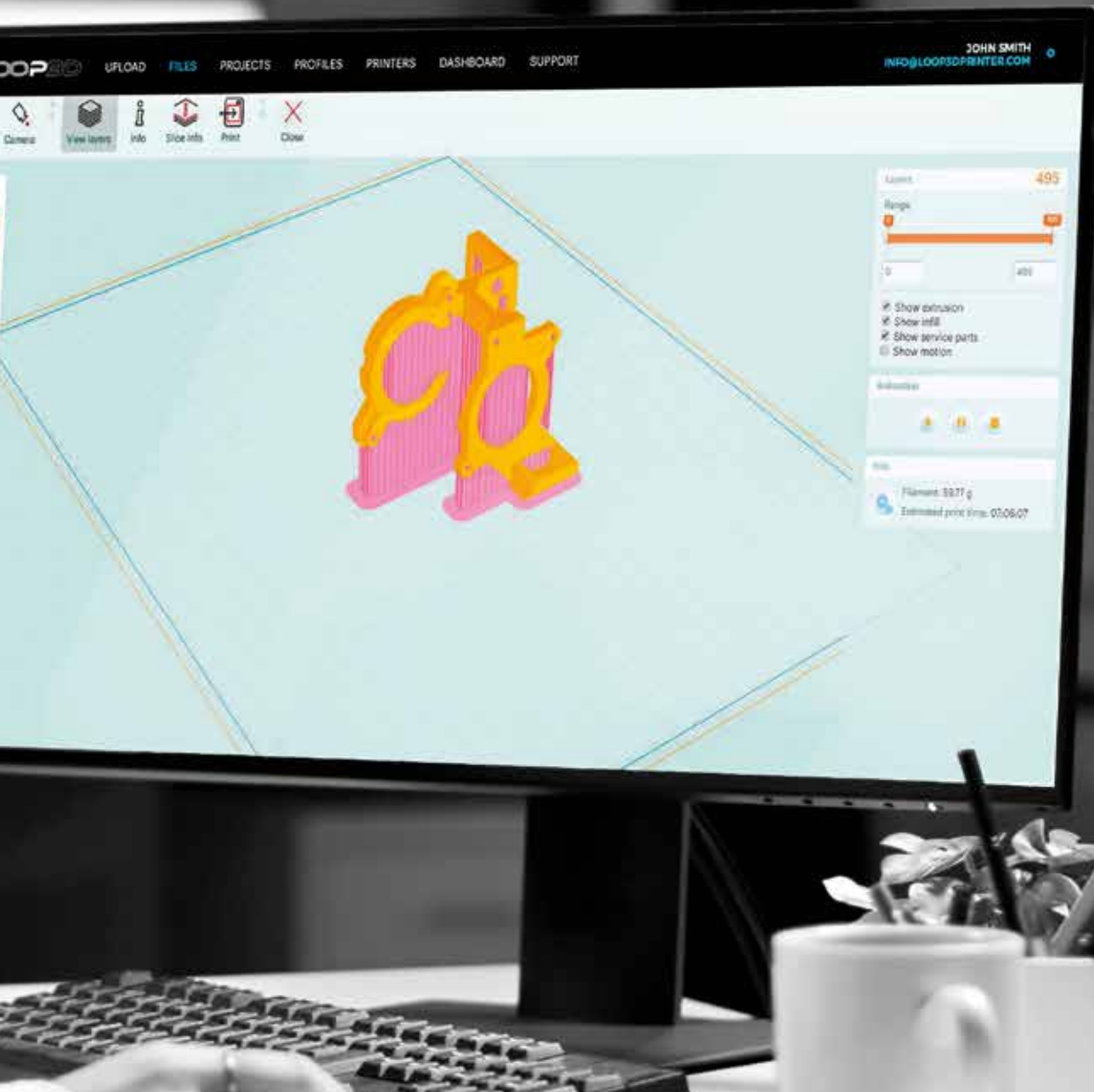
Cloud Based Software

## EXPERT MODE

If you are testing new materials and settings on a regular basis, SIMPLE MODE may not be efficient enough to make you work freely on the desired new printing profiles. That is where the EXPERT MODE steps in with access to all settings and possibility to create your own presets. From speed, acceleration, through specific heating settings, to retraction settings - every single setting that affects a print will be at your hands to work on as you desire. The EXPERT MODE is the software mode where the open source becomes the main focus.

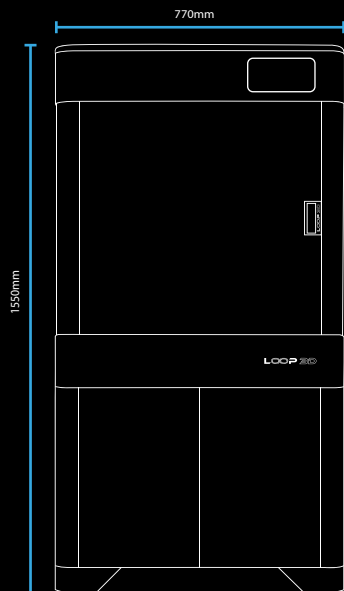
Manage all your printers from a single software





Slice from your browser, access it from anywhere





## SYSTEM

Machine Interface  
7-inch touchscreen display

Connectivity  
Wi-Fi, Ethernet, USB

Remote Monitoring  
Live video streaming with  
built-in camera

## MATERIAL

Filament Size  
1.75 mm

Available Materials  
LOOP 3D - DYNAMIDE® GF  
(Glass Fiber reinforced PA6)

LOOP 3D - DYNAMIDE® CF  
(Carbon Fiber reinforced PA6)

3rd Party Materials  
Open material system

Moisture Control  
Relative humidity (RH<%20)  
with Material Conditioning Unit

## PHYSICAL SPECIFICATIONS

Build Volume (up to)  
500 x 350 x 500 mm

Layer Thickness  
50 - 300 µm

Printhead  
Modular - easily detachable  
as fast as 10 seconds

Default Nozzle Diameter  
0.40 mm

Build Plate  
Flexible - Magnetically  
attachable spring steel with coating

Print Bed  
Aluminum - heated bed

Printer Weight  
140 kg

Chassis Material  
CNC - milled unibody  
aluminum casting

External Dimensions  
770 x 610 x 1550 (W x D x H)

## TECHNOLOGY

3D Printing Technology  
Fused Filament Fabrication (FFF)

Mechatronics  
Advanced H-Bot mechatronics  
with double linear guideway

## SOFTWARE

Cloud Software (Default)  
LOOP 3D - Internet browser  
based cloud slicing software

Fleet Management  
Yes

Offline Software  
Available upon request

Compatible File Formats  
.stl, .obj, .3mf