



**LOOP PRO X**

INDUSTRIAL GRADE 3D PRINTER

**3D  
M** 3D-MODEL



**LOOP 3D**  
CORE



## 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.



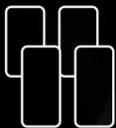
Expert Mode



Live Stream



Remote Tech Support



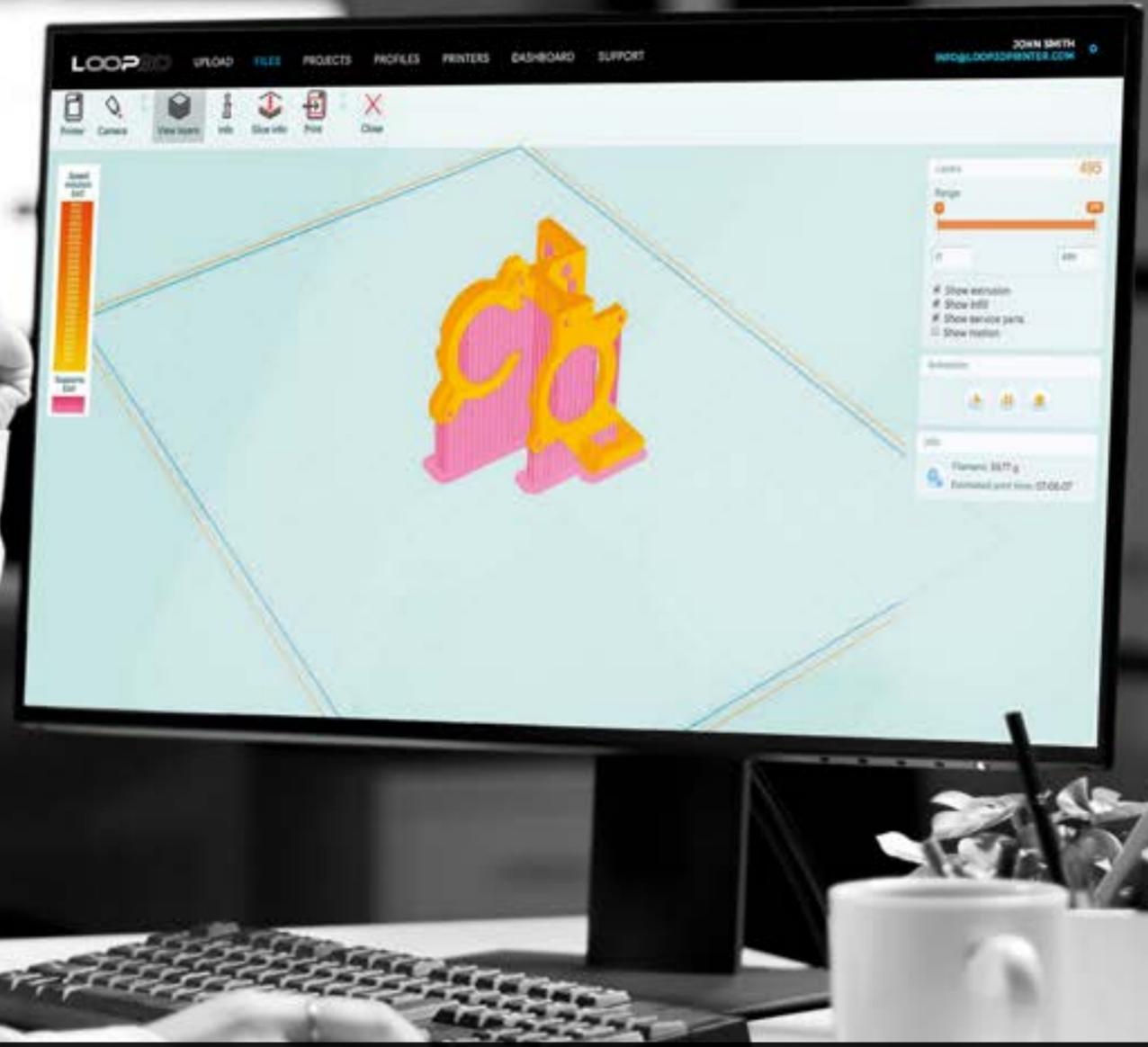
Fleet Management



Cloud Based Software

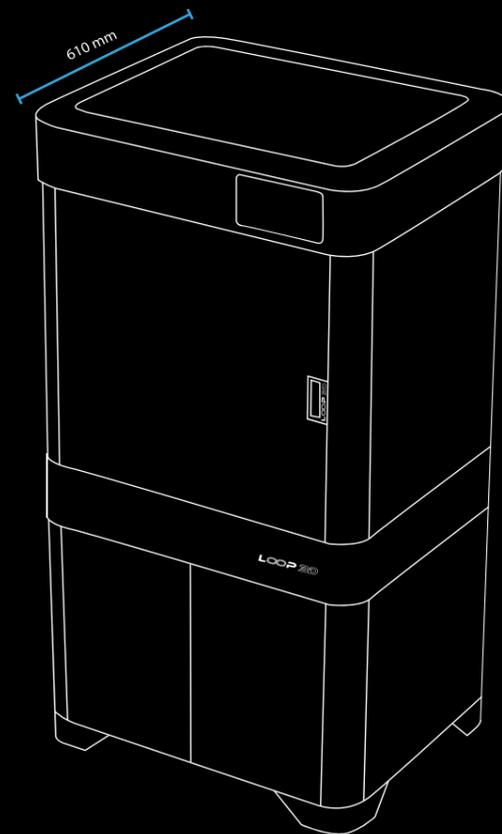
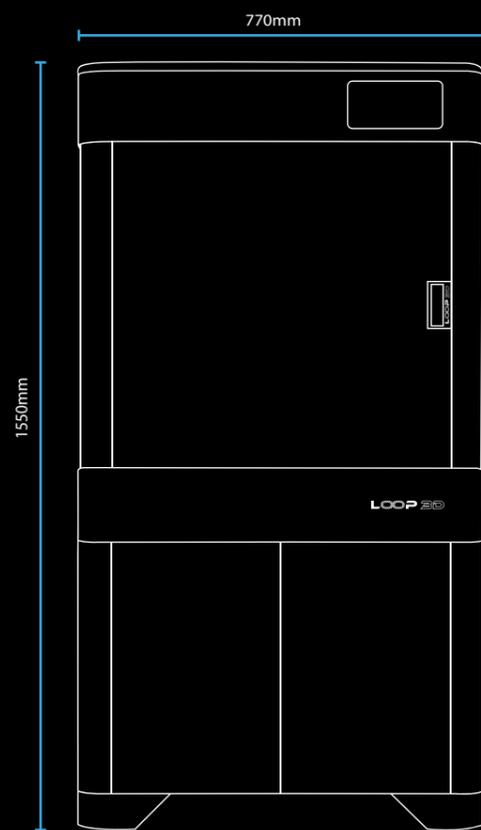
## EXPERT MODE

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





## 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

**LOOP 3D**

Boost Your Productivity

**3D M 3D-MODEL**