



LOOP PRO X

INDUSTRIAL GRADE 3D PRINTER



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

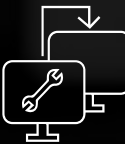
Materials can be easily post-processed with chemical polishing or vapor smoothing machines.



Expert Mode



Live Stream



Remote Tech Support



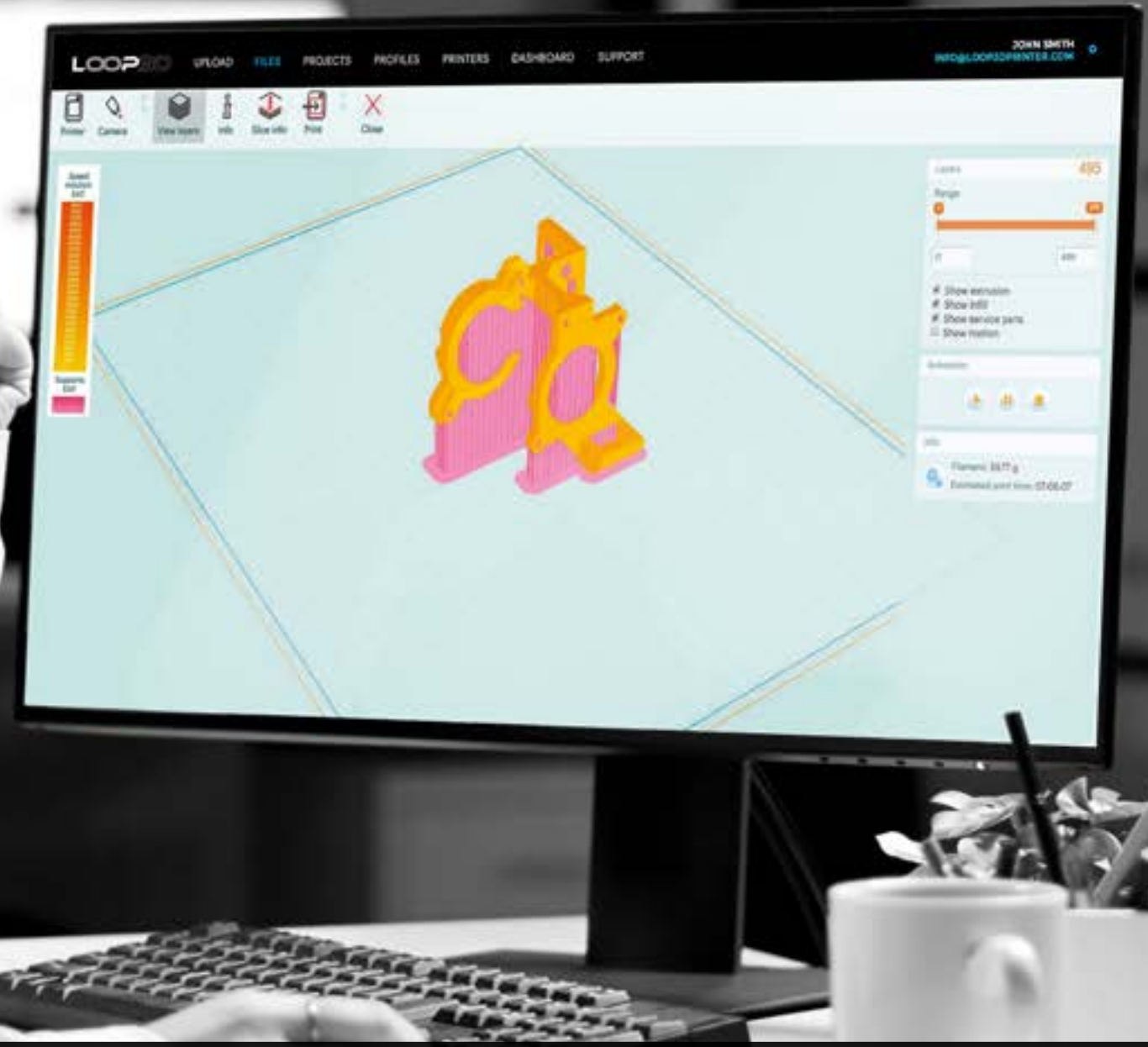
Fleet Management



Cloud Based Software

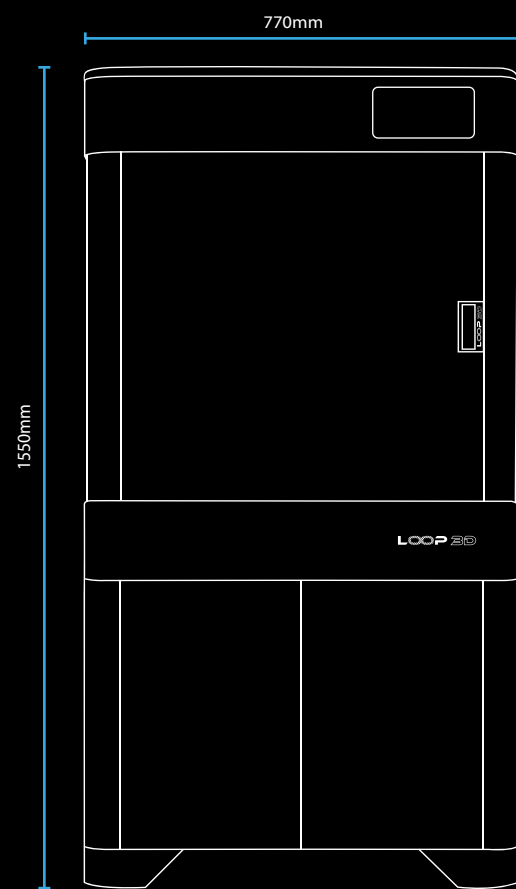
EXPERT MODE

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