

ALVEO3D

Brochure 2023-2024
Safety partner

ALVEO3D

AIR FILTRATION EXPERT

CONTACT

COORDINATES AND TEAM

Alveo3D workshop

460 Rue de la Leysse
73000 Chambéry, France

Téléphone Atelier

+33 978 809 394

Email

contact@alveo3d.com

Customer support

+33 767 742 983

Email distributor

lucas.martini@alveo3d.com

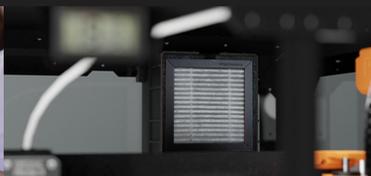
English request

+33 616 806 403

Conception



Production



Testing



CATALOGUE

Solution available

AlveoONE & AlveoONE-R

Compact air filtration system for panel mounting or free-standing installation



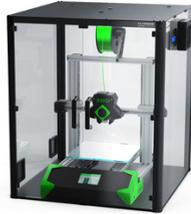
Carte de contrôle V2

Filtration management
Timer and programming
Fan speed control
Temperature sensor



Printercase - 600/800/900

3 standard sizes Aluminum structure 3 mm PMMA panels P3DL filtration system Stackable rear door option



Printerbox

Lightweight, compact dome for desktop resin 3D printer P3DL filtration Optional V2 control board



AlveoPRO & M100

Professional filtration system High performance / high flow rate Air extractor and recirculation On-board electronics



Cartridge M100

Filtration cartridge H14 HEPA and activated carbon FDM and resin Customization possible



P3D Filtre compact

P3DL compatible with AlveoONE(-R) P3DL for P3DR resin 3D printer for high temperature P3DR-HT integrated solutions



Filter UM55

HEPA 13 and activated carbon Compatible with Air Manager Ultimaker S5 and S7



P4D Advanced filter

H14 and activated carbon Long life Very high efficiency in FDM



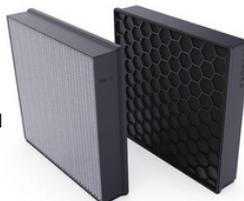
Cylindrical filter

Specific cartridge for 3D resin printers Large quantity of activated carbon



Filtre industriel

Dimensions over 200mm High efficacité Multilayer Dust prefilter Industrial environment



Custom filter

High performance filter

3D printing for personalization

1. Customizable size

From 100mm to 300mm

2. Composition on demand

HEPA / active carbon / prefilter

3. High performance

Tested & certified

4. Designed and assembled

Local production, 3D printed frame
in France



Alveo3D offers customized filters for prototype, small and medium production runs. We facilitate design to best meet our customers' needs, taking into account performance/airflow ratings without impacting print quality.

MANUFACTURER SOLUTIONS

Custom filters for high-volume 3D printers

Design and prototyping service On-demand fan selection and customization

Efficiency tests with detailed report and optimization Printed, assembled and tested in France

On-demand filter composition Safety support on FDM and resin 3D printers



AlveoPRO

Air extraction system



Filter M100

1. HEPA 14

175x175mm

2. Activated carbon

600+ grams

The AlveoPRO is the ultimate industrial air filtration solution for professional desktop and high-volume 3D printers.

This air extractor provides the best efficacité/airflow ratio on the filtration of ultra fines particles, fumes, odors and VOCs thanks to its specific filter for 3D printing.

Industrial air extractor

Dedicated air filtration system for enclosures and fairings

Flexible air extraction hose for 3D printer housing

Compact, lightweight and durable
Interface with LCD display French-made filter

High filtration performance and
HEPA 14 and activated carbon tested
Extended service life



ALVEO3D

AIR FILTERING EXPERT
3D PRINTING



TECHNICAL SERVICE & ADVICE
SECURITY PARTNER

AIR FILTRATION SYSTEM
CATALOG / CUSTOMIZED

CAISSON SUR MESURE
FDM / SLA

COMPLIANCE & CERTIFICATIONS
INRS RECOMMENDATIONS

TEST LABORATORY
EMISSIVENESS & EFFICIENCY

contact@alveo3d.com
www.alveo3d.com

TEST AND MEASUREMENT

Our laboratory offers efficiency tests and emissivity measurements



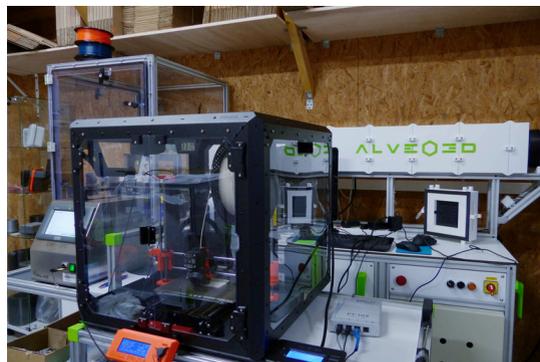
Report writing and formatting

Our team provides a detailed report for each battery of tests and measurements with a layout that is easy to read and view.



Nanoparticle and VOC equipment

The laboratory is equipped with a CPC sensor to measure nanoparticles as well as multiple VOC sensors. The measurement bench makes it possible to generate and measure 3D printing emissions.



Mobile service

We can carry out measurements at your site. Our team is mobile.

The P3D filter range

FDM and Resin 3D printers

P3D standard

Desktop FDM 3D Printer
AlveoONE Compatible 600
hour lifespan

P3DL extra-large

Small resin 3D printer
Reinforced with activated
carbon AlveoZERO
compatible

P3DR integrated

Filter for streamlined 3D
printer and suction
ventilation enclosure

P3DHT high temperature

Desktop FDM 3D printer
600 hour lifespan Operation
up to 90°C



The P3D range offers a compact, efficient, tested and affordable solution for a wide range of air filtration systems and desktop 3D printer models.

Partnership

Integrated filtration system for 3D printer enclosures



Activated carbon mix specific for VOC treatment of printer filaments
Cardboard frame to reduce plastic waste

Handle for easy filter removal

Nylon grid to protect HEPA surface

PU foam on all surfaces for optimum watertightness

HEPA certified EN1832

CUSTOM-MADE ENCLOSURE

ENCLOSURE FOR 3D PRINTER

RIGID STRUCTURE

30 mm aluminium structure
4 mm polycarbonate panel
Controlled watertightness

Custom design

Choice of size and shape 3D visual before manufacture
Wide choice of accessories
Advice and manufacturing in France

AIR FILTRATION

Solution: AlveoONE / AlveoPRO / customized
Ventilation and dehumidificator
Electronic control

FIRE SAFETY

Intelligent smoke detector
Automatic extinguisher
Fire-resistant material

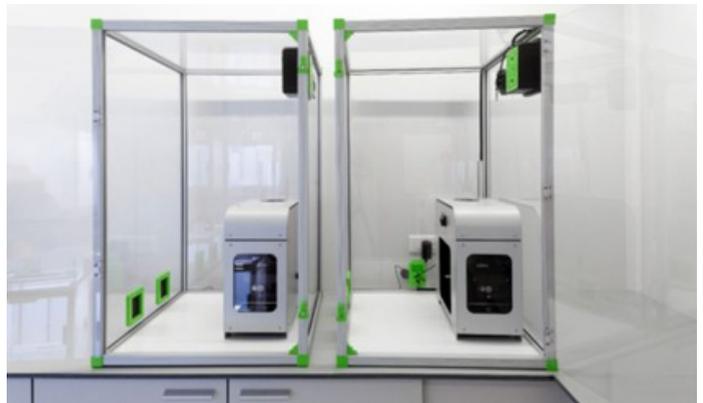
ISOLATION

Noise reduction UV filter
Transparent / opaque



Our custom-built housings offer the best solution for operator and 3D printer safety. A choice of high-quality materials is used for custom assembly.

Precise monitoring and upstream 3D design ensure a fluid process and a solution that matches your expectations.



Ready-to-use enclosure

Supplied assembled with accessories installed