

Discover the real
**LARGE FORMAT
ADDITIVE MANUFACTURING**

Discovery 3D Printer **HYBRID**

3D COMBINED EXTRUSION PRINTING OF PELLET AND FILAMENT

High performance · Reliability · Cost savings



3D combined extrusion printing
OF PELLET AND FILAMENT

Discovery 3D Printer **HYBRID**

- > Able to combine in the same printing direct extrusion of pellets and filament.
- > Revolutionary 3D printing technology.
- > Self-leveling bed that **AUTOMATICALLY** compensates for small unevenness during printing.

A revolutionary 3D printer that combines direct extrusion of pellets and filament in the same print. It also allows use one of the printing methods individually. All the advantages of both technologies in a small machine. A high-performance hybrid system that significantly reduces the cost per manufactured piece, increases production and reduces printing times.

100% Made in Spain
100% designed, developed and manufactured in the facilities of CNC Bárcenas.

Cabin and Table
Fully enclosed cabin. Optional: Cabin heating system up to 60°C, with temperature control to maintain it stable during the printing process. Warm bed (up to 125°) with SELF-LEVELING for the most demanding materials.

Use of Pellet and Filament
The **Discovery 3D Printer Hybrid** works with direct pellet extrusion technology and filament.

Printing Volume
900x700x500 mm.

Materials
It allows to use any thermoplastic such as ABS, ABS CF, PC CF, PPE CF, 3D850, ASA...

Extruders
Up to 400° extruders.

Universal
Automatic pellet feeder there is no limitation on the quantity of material. And standard filament 1.75 mm.

Software
Comfortable program with network access for easy and simple operation.



3D combined extrusion printing of pellet and filament



Automatic pellet feed, allowing unlimited printing of material

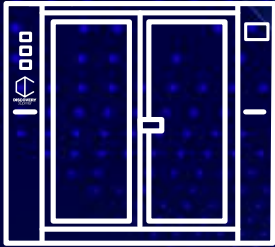
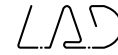


All the benefits of direct pellet extrusion in a compact format 3D printer



discovery3dprinter.com

Some customers of our 3D printing technology



technical specifications

Discovery 3D Printer **HYBRID**

Dimensions

Printer 1800x1500x2300
 Printing volume (X Y Z) 900x700x500
 Custom manufacturing according to customer's requirements.

Weight

450 Kg.

Cabin

Fully enclosed cabin.
 Optional: Cabin heating system up to 60°C, with temperature control to maintain it stable during the 3D printing process.

Table

Heated up 125° with SELF-LEVELING

Power Supply

240 v

Productivity

Technology Pellet and Filament 1.75 mm.
 Max. extrusion temperature 400°
 Work load Pellet: Up to 3-4 kg/hour
 Filament: Up to 60 gr/hour

Speed

Up to 200 mm/s.

Layer (minimum)

Pellet: 0,3 mm.
 Filament: 0,1 mm.

Servodrivers

Panasonic®

SW

Open-source printing profiles

Network

Ethernet

CE Mark

Yes

Warranty

Warranty policy on the website



INDUSTRIAL STANDARD CLASSIFICATION CODE
 08-A-284-13020079

CONTACT US FOR MORE INFORMATION AND WE WILL STUDY YOUR CASE CUSTOMIZED

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