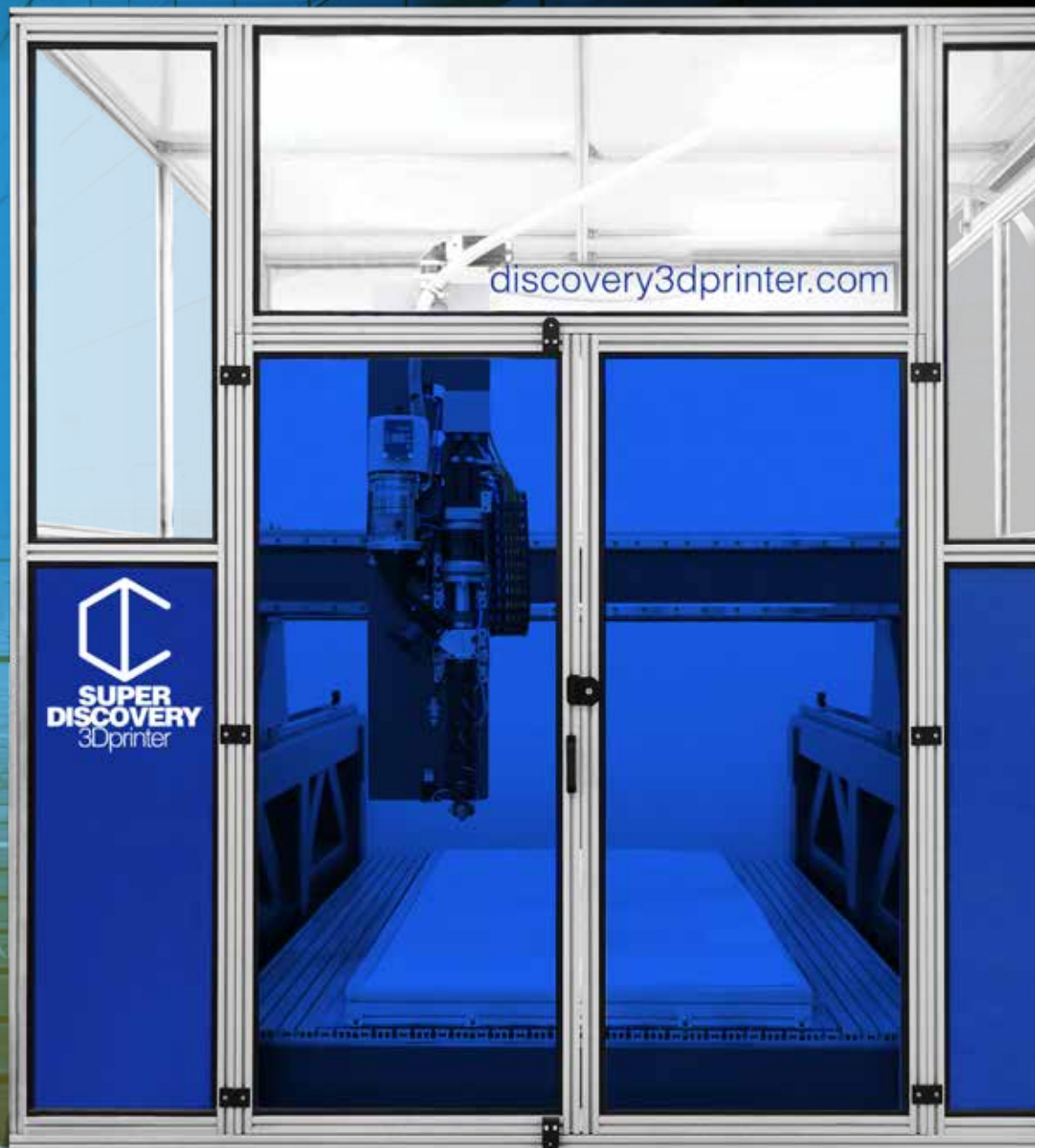


Discover the real
**LARGE FORMAT
ADDITIVE MANUFACTURING**

Super Discovery 3D Printer

INDUSTRIAL 3D PRINTING SOLUTIONS

High performance · Reliability · Cost savings




**SUPER
DISCOVERY**
3Dprinter

 **DISCOVERY**
3Dprinter
www.discovery3dprinter.com

 **CNC** bárcenas
www.cncbarcenas.com



DIRECT plastic PELLET extrusion

Super Discovery 3D Printer

- > Larger dimensions and more production
- > High-speed printing
- > Costs reduction
- > Self-leveling bed that AUTOMATICALLY compensates for small unevenness during printing.

It has been developed as a solution to the need of industry 4.0 to be able to manufacture large format pieces. Works by directly extruding the pellets, which lowers the manufacturing cost and makes it possible to increase production. We can make a special tailor-made manufacturing project, oriented to the manufacture of large format pieces for large industry 4.0.

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

Table
Fully closed chamber and warm bed (up to 125°) with SELF-LEVELING for the most demanding materials.

Use of Pellet
The Super Discovery 3D works with direct pellet extrusion technology.

Customized Work Area
Factory configuration is 1.3 x 2.5 x 1 m., but can be customized for any need of the big industry.

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

Extruder
400° extruder.

Universal
Automatic pellet feeder there is no limitation on the quantity of material or therefore in the weight of the pieces.

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



Frank Gehry's chair (45x50x95 cm.) and Figure of 1.87 m.

Some customers of our 3D printing technology



Wind turbine blade mold.
1700 x 520 x 330 mm.
*Printed by BTU (Brandenburg University of Technology Cottbus-Senftenberg).



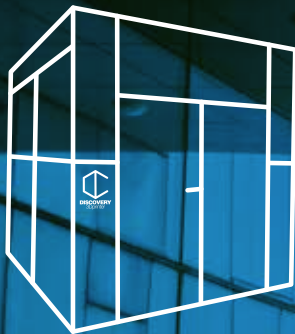
Hull prototype USV-Trimarán.
600 x 900 mm.
*Printed by CEU. (University Cardenal Herrera)



Real-size car tires.
ABS CF. Ø 440 mm.



Tram bumper.
1690 x 530 x 220 mm.
*Printed by CAF according to norm EN45545 R1.



technical specifications

Super Discovery 3D Printer

Dimensions

Printer 4000x4000x4000
(+hopper & electrical cabin)
Printing Volume (X Y Z) 1300x2500x1000

Weight

4000 Kg.

Cabin

Closed

Table

Heated up 125°
with SELF-LEVELING

Power Supply

400 v

Productivity

Technology Pellet
Work load Up to 12 kg/hour
Max. extrusion temperature 400°
Speed Up to 200 mm/s
Layer (minimum) 0,5 mm

Servodrivers

On all axes

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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