

# 3D INCUBATOR //

Printing and post processing equipment

Promoted by:

**ZF** CONSORCI  
barcelona  
ZONA FRANCA





**LEITAT**  
managing technologies

With the support of:



**Cámaras**  
Fundación INCYDE

▪ Printing equipment

			TECNOLOGY	MATERIALS
PHOTOPOLYMERIZATION	 <b>formlabs</b> Form 2 Model (x1) 145 x 145 x 175mm		<ul style="list-style-type: none"> <li>- Stereolithography (SLA).</li> <li>- Prototypes and final models.</li> <li>- Mainly used in jewellery and the dental sector.</li> </ul>	White Castable Wax High Temp Black Resin Castable Wax Resin Durable Resin Elastic Resin Grey Resin Dental Mode Resin High Temp Resin White Resin Dental S Resin Tough Resin Clear Resin Dental LT Clear Resin Flexible Resin
	 <b>3DSYSTEMS</b> NextDent 5100 Model (x1) (124 x 70 x 196mm)		<ul style="list-style-type: none"> <li>- Digital Light Processing (DLP).</li> <li>- It combines the widest range of dental materials for multiple applications with unique precision and speed.</li> <li>- Biocompatible materials.</li> </ul>	CIB-MFH (PL) CIB-MFH (N1) ND Cast ND C&B MFH ND Gingiva Mask ND Model 2.0 ND Ortho IBT ND Ortho Rigid ND SG / Orange ND Tray ND Try-in ND Denture 3D

MATERIAL EXTRUSION



BCN3D Sigma Model  
(x1) (210 x 297 x 210mm)



- Fused Deposition Modelling (FDM).
- Independent dual extruder printer.
- Enables high resolution multi-material parts to be printed simply and efficiently.

PLA  
TPU  
Nylon  
ABS  
PET-G



Fortus 450MC Model  
(x1) (406 x 355 x 406mm)



- Fused Deposition Modelling (FDM).
- It uses thermoplastics at the production level, so that the parts have an incomparable mechanical, thermal, and chemical strength.

ULTEM 1010  
ULTEM 9085  
ABS M30  
Nylon 12  
ASA  
PC-10

**Ultimaker**

(x1) S5 Model  
(330 x 240 x 300mm)

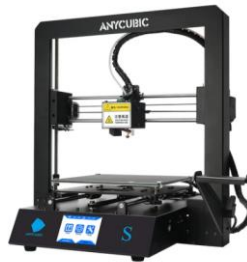


- Fused Deposition Modelling (FDM).

PLA  
Tough PLA  
Nylon  
ABS  
CPE  
CPE+  
PC  
TPU 95a  
PP  
PVA









(x1) i3 Mega S Model  
(210 x 210 x 205mm)



- Fused Deposition Modelling (FDM).

PLA  
ABS  
TPU  
PETG

MATERIAL JETTING	 <p>Polyjet J750 Model (x1) (490 x 390 x 200mm)</p>		<ul style="list-style-type: none"> <li>- Polijet (MJ)</li> <li>- It produces highly accurate, smooth-finish prototypes and tools.</li> <li>- Microscopic layer resolution up to 0.014 mm.</li> <li>- Wide range of materials and colours.</li> </ul>	<p>Flexible Material Shore (30-95)</p> <p>The whole range of colours, even transparent. Resins of all colours, it works by mixing five colours at the same time, producing more than 500,000 colours, including Pantone, textures, gradients, transparencies, and flexibilities.</p>
	DUST BED	 <p>MJF 4200 Model (x2) (380 X 280 X 380mm)</p>		<ul style="list-style-type: none"> <li>- Multi Jet Fusion (MJF)</li> <li>- It produces pieces with great physical and functional properties.</li> <li>- HP Multi Jet Fusion accelerates the adoption of 3D manufacturing in a wide range of industries and applications.</li> </ul>
 <p>Lisa Model (x1) (110 X 150 X 130mm)</p>			<ul style="list-style-type: none"> <li>- Selective Laser Sintering (SLS)</li> <li>- High precision prototypes, without supports or shape limitations.</li> <li>- A maximum precision of 50 microns.</li> </ul>	<p>PA12 Fresh Powder PA12 Print Ready TPU or Flexa Black</p>

▪ **Post-processing equipment for printed pieces:**

- 1 Sandblasting machine
- 1 Graphitator
- 1 Air blast machine
- 1 Part tinting system
- 1 Polisher
- 1 Scanner 3D (Shining 3D)
- 1 Metrology Arm
- 1 CO2 Laser Engraving Machine (Z Zelus)

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The High-Tech Business incubator is a project led by “El Consorcio de Zona Franca de Barcelona” and “Fundación LEITAT”. Its goal is to incubate the 100 best initiatives related to additive manufacturing in 5 years by creating a space for the incubation of start-ups, SMEs and micro-companies that use this technology.

The **3D Incubator** is co-financed at a 50% by the European Regional Development Fund (ERDF), through the Spanish Pluri-regional Operational Program 2014-2020, and operates under Axis 3: Improving the competitiveness of SME’s “Una manera de hacer Europa”