

TECHNICAL SPECIFICATION SHEET FOR THE CONTRACTING OF THE SUPPLY OF A 3D PRINTER FOR THE FUNDACIÓ BOSCH I GIMPERA

EXPEDIENT SU-1-2026.PNSP

On 28 March 2025, FBG formalized a supply contract under a lease agreement (without purchase option) for a Delta Tower Fluid MT 3D printer (Elkem specs) for the Fundació Bosch i Gimpera.

The contract was awarded through a negotiated procedure without prior publication due to technical exclusivity, with a duration of one year from the date of signature.

During the execution of the lease contract, the equipment enabled the successful development of several research and technological validation activities in the field of silicone additive manufacturing, confirming its technical suitability to achieve the planned scientific and technological objectives.

In view of the results obtained and the need to ensure continuity of ongoing R&D activities, it is considered necessary to initiate a new procurement procedure for the definitive purchase of the 3D printer.

This acquisition will consolidate the equipment as a permanent research infrastructure, ensure the continuity of current projects, and optimize public resources by avoiding new temporary leasing contracts.

1. Subject of the contract

The purpose of this document is to establish the technical specifications governing the procurement procedure for the supply of a 3-D PRINTER for the Fundació Bosch i Gimpera.

2. Technical requirements of the equipment to be supplied

The following are the minimum technical specifications to be satisfied by the equipment supplied, which is the subject of the contract.

- a) 3D-printer Delta Tower Fluid MT (Elkem specs)
 - 3D-printer
 - with up to 4 extruders
 - capable of extruding liquid silicone rubber (LSR) with a viscosity of up to 600Pas.
 - with two 2 component extruders each extruding 2 component LSR
 - with one extruder extruding support material for the LSR
 - with one extruder for thermoplastic filaments
 - printing resolution >0.05 mm

- b) Pressure sensors for Viscotec print heads
 - With pressure sensor for flow control

- c) 60 nozzles and static mixers

- d) Hand tool set and consumables for maintenance

e) Software

- Simplify3D single computer license, delivery by email

3. Warranty and maintenance service

The awarded contractor must have a technical and maintenance service staffed by qualified personnel to resolve any issues that may arise during the normal use of the equipment.

The supply has a one-year warranty. Not covered are damages caused by wrong user interaction. Broken parts will be replaced by Deltatower and shipped to the customer for a guided repair by client. If the repair cannot be done by the FBG either Deltatower personel will fly in for repairs or the printer will be shipped to Deltatower and back.

Barcelona,

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