



TECHNICAL SPECIFICATION SHEET FOR THE CONTRACTING OF THE SUPPLY UNDER A RENTING AGREEMENT, WITHOUT PURCHASE OPTION, OF A DELTA TOWER FLUID MT 3D PRINTER FOR THE FUNDACIÓ BOSCH I GIMPERA

EXPEDIENT SU-1-2025.PNSP

1. Subject of the contract

The purpose of this document is to establish the technical specifications governing the procurement procedure for the supply under a renting agreement, without purchase option, 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. These costs will be covered by the Fundació Bosch Gimpera.

Barcelona,

Dra. Maria Elena Xuriguera Martin
Professor agregada del Departament de Ciència de Materials i Química Física
Universitat de Barcelona