



Contract code	SU739000SA2024039
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## **Technical specifications for contract the supply of an inkjet printer for circuit prototyping.**

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By submitting a tender, the participating bidders accept the technical specifications established herein, which are considered the minimum compulsory requirements.

Any proposal that does not comply with the minimum requirements set out in these technical specifications will be excluded from the procurement procedure.

### **1. Subject of the contract or need of the contracting authority**

The purpose of these technical specifications is to establish the particular conditions that will govern the provision of the inkjet printer for circuit prototyping with the required components to print on substrates of maximum dimensions of 210 mm x 260 mm and a repeatability of +/- 25 microns.

### **2. Activities and functions of participating bidders**

Bidders must take on the following functions:

- Deliver the equipment at the designated UPC facilities located in Barcelona, Spain
- Provide remote assistance to the installation process at the UPC facilities.
- Provide the necessary elements for the operation of the equipment.
- Provide at least 10 hours of online consulting/formation on the equipment use.

The tenders submitted by participating bidders must cover all the activities and functions mentioned in these technical specifications and in the special conditions for public contracts, all of which are compulsory for a tender to be admitted.

### **3. Compulsory general technical requirements of the provision and/or performance criteria or functional requirements of the provision**

Bidders must have the sufficient technical, material and qualitative means and human resources to carry out the tasks that are the subject of this contract.

The service regulated in these specifications must meet, at a minimum, the following technical requirements, without prejudice to the award criteria:

- Print on substrates of thickness up to 25 mm
- Maximum printable area of 210 mm x 260 mm
- Repeatability +/- 25 microns
- Camera based alignment system for substrates
- Provide at least:



- 10 cartridges to print with CRYSTAL POLYMER FLUID MODULE and 10 cartridges to print with POLYPROPYLENE FLUID MODULE.
- 10 cleaning pads for the cartridges
- 2 DRIP PADS FOR DROPWATCHER OF PRINTHEAD CARTRIDGE
- 10 syringes to fill –up cartridges
- 10 ink filters

In terms of performance or functional requirements, the provision of this contract must fulfil the following aims (*including the environmental characteristics, for example*):

- Deliver the equipment at the designated UPC facilities located in Barcelona, Spain
- The equipment must comply with the EMC and Safety regulations of the European Union.
- Deliver all the necessary supplies for the equipment use.
- Provide assistance during the installation process.
- Provide at least 10 hour online consulting on the equipment use
- Delivery time of less than 6 months.
- Minimum warranty of 12 months.

#### **4. System for monitoring and controlling the execution of the specifications**

The contractor must appoint a person who will be entrusted with managing the execution of the contract, who must guarantee the quality of the subject of the contract and deal directly with any issues related to the normal development of the tasks indicated herein with the interlocutor designated by the contracting authority.

#### **5. Technical documents to be provided by successful bidder**

The technical specifications proposed by the bidding company in its tender will become obligatory conditions that must be fulfilled during the execution of the contract if the bidding company is awarded the contract.

To certify the fulfilment of each technical specification, the successful bidder must provide the following documents:

- Manual and Technical specifications for the equipment.
- IEC TEST REPORT, IEC6101-1 Safety requirements for electrical equipment.

The person in charge of the contract  
Jordi Romeu

Barcelona, on the date of the electronic signature