

Technical and administrative specifications

File number: **24LIC.005**

1. Equipment description

The **Microtome with cryostat** is a freezing cutting device that allows a rapid analysis of multilayer samples by cutting sections in the order of microns, where the analysis of thicknesses and the study of layers in these structures is obtained by optical microscopy.

2. Technical specifications

The cryostat microtome must be prepared primarily to achieve cross-sectioning (sectioning) of multiple multilayered polymeric and/or cellulosic materials with thicknesses from 20 microns.

The equipment shall comply with the following technical specifications:

- Trim thickness range adjustable from 10 μ m to 600-800 μ m, with 5 μ m increments up to 50 μ m, 10 μ m increments up to 100 μ m and 50 μ m increments up to 600 μ m.
- Adjustable section thickness range from 0.5 μ m to 100 μ m, with 0.5 μ m increments up to 5 μ m, 1 μ m increments up to 20 μ m, 2 μ m increments up to 40 μ m, and 5 μ m increments up to 100 μ m.
- Adjustable chamber temperature down to -50°C.
- Non-stick sample flattening device with cooling, reaching a temperature down to -50°C
- Handwheel locking function
- Universal rotation in X-axis and Y-axis suitable for cutting
- Automatic retraction
- UV disinfection method.
- Cooling system with compressor.
- Touch screen for equipment operation.
- Operating system and user manual in English or Spanish.



3. Other features

- Vacuum function for cleaning and/or function to facilitate sample fixation during cutting (optional) would be an asset.
- Available speed change options will be considered
- Commissioning with verification of the correct operation of the equipment and staff training will be valued
- Delivery time, technical assistance coverage and speed of response of the technical service will be valued
- Availability of consumables and/or replacement parts for a minimum of 10 years and a one-year guarantee against manufacturing defects will be an asset
- A global maintenance contract (preventive and corrective maintenance and equipment labour) for the duration of the contract will be an asset

4. Contracting authority

ITENE – Instituto Tecnológico del Embalaje, Transporte y Logística.

5. Awarding procedure

In this procedure, at least three quotations shall be requested, whenever possible.

Quotations must be submitted according to the Technical Specification of Equipment document, together with the required supporting documents.

ITENE Technical Evaluation Committee will evaluate the quotations following the criteria below, and the quotation with the highest evaluation will be selected.

6. Procurement object

The procurement object is the supply indicated on prior sections of this document.

- Identification of the parties.
- The definition and description of the procurement object according to the offered supply. The technical description of the offered supply will be according to the technical specifications issued by the Contracting Authority.
- The price.
- The duration of the contract or the estimated dates for its implementation: start and end date, as well as its extension or extensions, if foreseen.



- e) The conditions for receiving the supply, its delivery, installation or acceptance of benefits. The transport and delivery at the place of destination. (Facilities of ITENE in Parque Tecnológico, c/Albert Einstein, 1, 46980 Paterna, Valencia, Spain), as well as the necessary steps for its configuration and installation until its effective operationalization.
- f) Payment terms.
- g) The objective and temporary extension of the confidentiality clause, where relevant, imposed to the contractor.
- h) The supply warranty

7. The conclusion of the contract

The accreditation of the legal powers of the signatories to be able to enter into the contract, will be required in order to conclude the contract.

The contract will be concluded by sending the signed offer to the bidder, together with a purchase order number which will have to appear in the invoices that the bidder will issue, associated to the purchase of the supply.

8. Evaluation of quotations

The quotations will be evaluated according to free procedure by means of the following criteria:

The evaluation will be done by the Commission of Purchases Evaluation of ITENE.

The objective criteria that will be used as basis for the contract award are the following, with their corresponding weighting, or, in its absence, in decreasing order of importance.

Criteria	Percentage
Quotation	70
Technical Service and maintenance	10
Delivery date	10
Guarantee	5
Others	5

9. Solvency of the supplier

Technical solvency

The bidder will provide the following information, when applicable:



- **Location, connection and installation requirements**
 - A scale detailed plan
 - Weight
 - Supplies (air, water, power, etc.)
 - Connection
- **Manufacturing materials**
 - Normalized type (certificates when applicable)
 - Special treatments
 - Special care
- **Manuals**
 - Installation, operating and service manual will be provided.
- **Technical service**
 - Geographical availability
 - Forms of contacts
 - Responsiveness
 - Costs
- **Maintenance services / Spare**
 - Operations carried out exclusively by the supplier / manufacturer
 - Cost and regularity
 - Spare stock advised, supplier, cost and delivery time (in case of exclusivity of the supplier or manufacturer)
- **Quotation conditions**
 - Payment method
 - Guarantee
 - Services / materials included: setting up
 - Transport, packaging
 - Insurance
 - Spare stock
 - Others

10. Delivery date and place

Quotations shall be sent by e-mail to: licitaciones@itene.com in the term of **10 working days** from the receipt of the invitation to tender. The tender file number shall be indicated in the e-mail subject.