

Technical and administrative specifications

File number: **25LIC.009**

1. Equipment description

Due to the casuistry of some waste materials that are processed in order to reduce their size for subsequent processing, a high-speed **shredder mill** designed to reduce materials to particle sizes in the range of hundreds of microns is required. The equipment must be capable of processing a wide range of materials, from films to semi-hard and hard and/or fibrous materials, using a combination of high rotor speed and the impact or cutting action of grinding teeth. The design must facilitate quick cleaning without tools, ensure operator safety and minimise the generation of dust and heat during the process, while maintaining stable operation and easy maintenance.

2. Technical characteristics

The equipment must comply with the following technical specifications:

- Capacity to operate in cryogenic conditions (possibility of adding liquid N2 and/or dry ice).
- Rotor speed control between 300 and 5000 rpm.
- Grinding chamber made of stainless steel or titanium.
- Minimum processing capacity of 10 l/h.
- Minimum input size between 10 and 70 mm.
- Two screen sizes included in the offer, 2 and 0.5 mm.
- Capable of processing low-micron plastic films (LDPE, PP, PA, etc.).
- Capable of processing high-hardness materials, such as ABS, among others.
- Capable of processing other types of lower-hardness materials (more fibrous materials).
- Compliance with EC regulations.
- Minimum 12-month warranty.

3. Other characteristics/considerations

- Delivery time will be evaluated.
- Equipment must be available in 2025.
- Technical support coverage and verification of proper equipment operation will be evaluated.
- Technical assistance coverage, technical service response time, and availability of additional utility packages will be appreciated.
- Guaranteed availability of consumables and spare parts for a minimum of 10 years.
- The availability and compatibility of other sieves sizes in addition to those specified will be evaluated.



4. Contracting Authority

The contracting authority is ITENE – Packaging, Transport & Logistics Research Center.

5. Procurement Procedure

In this procedure, at least three comparable offers will be required from three companies qualified to carry out the object of the contract, whenever possible. Proposals will be submitted according to the attached technical specifications sheet along with the required documentation. ITENE's technical evaluation committee will evaluate the offers, and the one that obtains the highest score will be awarded.

6. Object of the contract

The object of this contract will be the supply indicated in the attached technical specifications sheet. The contractual object will include at least:

- a) The identification of the parties.
- b) The definition and description of the object of the contract in accordance with the offered supply. The technical details of the supply offered in accordance with the technical specifications issued by the contracting authority.
- c) The price.
- d) The duration of the contract or the estimated dates for its commencement and completion, as well as any extensions, if foreseen.
- e) The conditions for reception, delivery, installation or admission of services, transport and delivery to the place of destination (ITENE facilities in Parque Tecnológico, C/Albert Einstein, 1, 46980 Paterna, Valencia, Spain), as well as the necessary actions for assembly and installation until its effective commissioning.
- f) Payment conditions.
- g) The objective and temporal scope of the duty of confidentiality that, if applicable, is imposed on the contractor.
- h) The guarantee of the asset.

8. Contract Formalization

For the formalization of the contract, accreditation of the signatories' capacity to sign the contract will be requested. The contract will be formalized by sending the supplier the signed and sealed offer itself, along with a purchase order number that must appear on the invoices issued by the supplier associated with the purchase.

9. Evaluation Criteria:



The contract will be awarded by a free procedure using multiple criteria, in accordance with the provisions of the internal contracting instructions. The evaluation will be carried out within ITENE's Purchase Evaluation Committee.

The objective criteria to be used as a basis for the contract award are those established, with their corresponding weighting, or failing that, in decreasing order of importance.

Criteria	%
Budget	70
Technical service and maintenance	10
Delivery time	10
Guarantees	5
Others	5

10. Evaluation Criteria Technical Solvency

For the final offer, the supplier must provide the following information as applicable:

Location, connections and assembly requirements

- Detailed scale drawings
- Weight
- Supplies (air, water, power, etc.)
- Connections

Manufacturing materials

- Standardized type (certificates if applicable)
- Special treatments
- Special care

Manuals

- Commissioning, use and maintenance manuals, as well as electrical and process diagrams will be supplied.

Technical service

- Geographical availability
- Contact methods
- Response capability
- Costs

Maintenance / Spare parts

- Operations performed exclusively by the supplier / manufacturer
- Cost and periodicity

- Recommended spare parts stock, supplier, cost and delivery time (in case of exclusivity of the supplier / manufacturer)



Offer conditions

- Payment method
- Warranty
- Services / materials included: Commissioning
- Transport, packaging
- Insurance
- Offer validity of at least 3 months
- Spare parts stock
- Others

11. Deadline and place of delivery

Quotations shall be sent by e-mail to: licitaciones@itene.com, within 10 working days from publication. The tender file number, **25LIC.006** shall be indicated in the e-mail subject.