

Technical and administrative specifications

File number: **24LIC.006**

1. Equipment description

Single screw extruder compatible with the existing Dr. Collin lines at ITENE.

2. Technical specifications

The extruder must be compatible with the already existing Dr. Collin extrusion lines at ITENE: Dr. Collin blown film line (BL 400P/SN 4310-22081-01) and Dr. Collin cast film line (MF-EXB-600/SN 4490-23-09); that means that the extruder must be able to be connected directly to the mentioned lines.

Additionally, the extruder must ensure the application of a coating layer of 5-8 μm thickness by using the existing 500 mm flex lip die installed in the Dr. Collin cast film line. In the same way, the extruder must ensure the achievement of a coextruded multilayer flexible film with a core/inner layer of 5-8 μm thickness in both processes, blown film extrusion and cast film extrusion, with the above mentioned Dr. Collin lines.

The equipment components must meet the following specifications:

- SCREW
 - Standard single screw in nitrided steel.
 - Length (L): 25D or 30D.
 - Diameter (D): 20-30 mm.
- CYLINDER/EXTRUDER
 - Maximal process temperature: 350-400°C.
 - Maximal operating pressure: 400-410 bar.
 - Maximal speed: 350-450 rpm.
 - Melt temperature and pressure sensor.
 - 4-5 independent heating zones.
 - Cooling and grooved feed-zone .
- OTHERS
 - 15-20 L hopper with level monitoring.
 - Adapter to connect the extruder directly to the die (both cast film die and blown film die).



- Control temperature cabinet.
- The single screw extruder must be integrated in the actual software Visual FECON for control purposes, data logging and evaluation via PC.

3. Other features

- Availability of consumables and/or replacement parts for a minimum of 10 years.
- Training courses and/or technical seminars for specific applications will be valued.
- Assistance coverage and speed of response from the technical service will be valued.
- The possibility of making demonstration trials or simulations to evaluate the performance of the equipment will be positively valued.

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 Comitee 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 in the attached Technical Specifications of Equipment document.

- a) Identification of the parties.
- b) 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.
- c) The price.
- d) 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 Technical Evaluation Comitee 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	Porcentage
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, until **27th August 2024**. The tender file number shall be indicated in the e-mail subject.