

# BSTM



## PURA

### PASTE PUMP



The Pura olive paste pump ensures **smooth and reliable transfer** between crusher, malaxer, and decanter. Built for high-viscosity materials, it prevents blockages and guarantees continuous operation across the production line.

## Pura Paste Pump

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**Application:** In every olive oil production plant, **olive paste pumps are essential** for keeping the line running smoothly. The Pura pump ensures reliable transfer of paste from the crusher to the malaxers, and from the malaxers to the decanter, without interruptions. Its robust build handles even **fibrous and highly viscous paste**, preventing blockages and protecting product quality.

With BSTM's high-quality pump solutions, producers achieve consistent flow and maximum efficiency across the entire process.

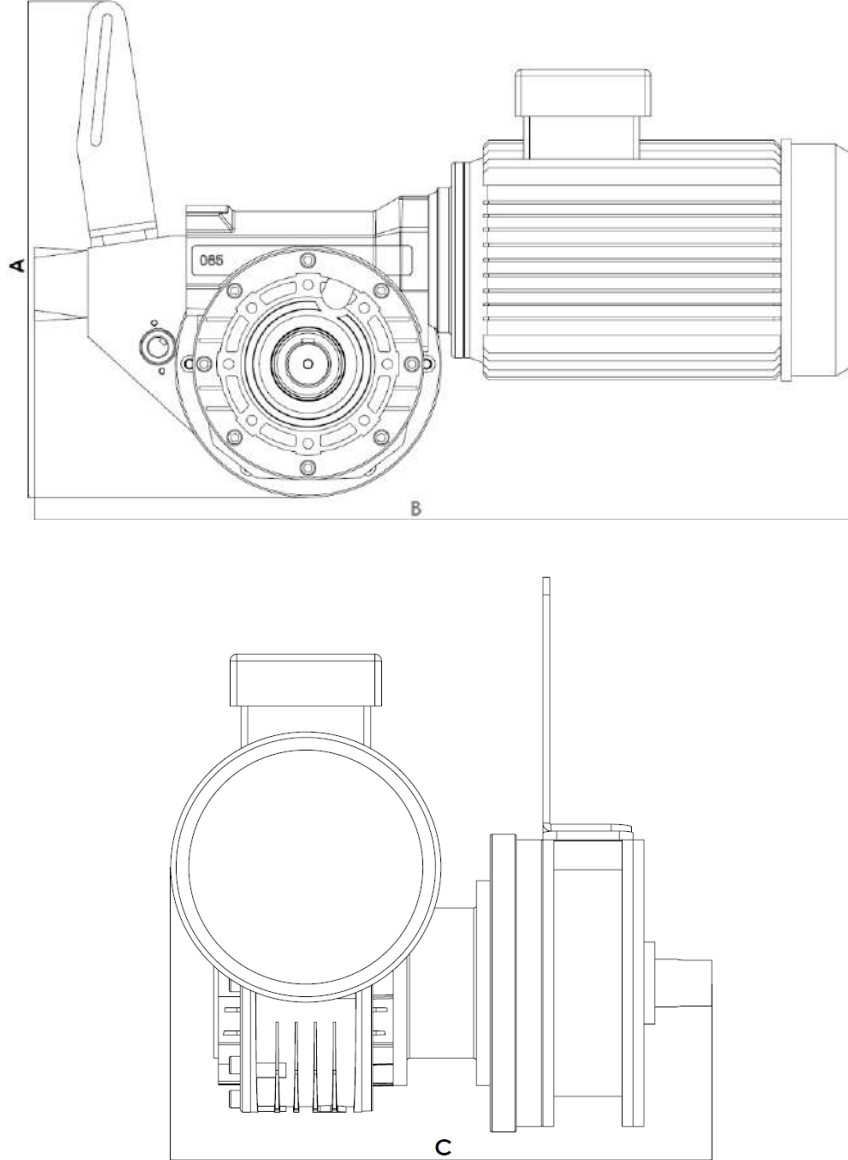
**Benefits:**

- **No consumable parts:** Minimizes operating costs and maintenance needs.
- **Durable and wear-resistant:** Built for long-term performance in demanding conditions.
- **Easy to clean:** Hygienic design with quick disassembly shortens downtime.
- **Flexible options:** Custom designs and capacities available to match plant requirements.
- **Optimized for paste:** Specially designed to handle fibrous and viscous materials with ease.
- **Uninterrupted production:** Ensures smooth transfer between units and consistent line operation.

**Design:** The Pura pump uses an **elliptical rotor system**, a proven technology widely applied across industries for its **reliability and low failure rate**. BSTM's high-quality design prevents material build-up and blockages, ensuring smooth and consistent paste transfer throughout the production line. Each unit includes **one motor and one reducer**, combining simplicity with durability. All surfaces in contact with the olive paste are made of **food-grade stainless steel**, guaranteeing hygiene and long service life. Thanks to its **low-friction operation**, the pump avoids overheating, minimizing aroma loss and preserving the natural qualities of the oil.

**Working Principle:** Elliptical rotor pumps operate on the principle of **positive displacement**. As the rotor turns, it draws paste through the inlet, traps it, and transports it along the pump housing toward the outlet, ensuring a **stable, continuous flow**. This makes them particularly effective for handling **sensitive, fibrous, and viscous materials** like olive paste. Trusted in the food, chemical, and pharmaceutical sectors, the same robust principle is optimized in the Pura pump to secure **efficiency, reliability, and consistent quality** in olive oil production.

## Technical Drawings:



## Technical Specifications:

| Model    | Motor Power | Capacity     | A (mm) | B (mm) | C (mm) |
|----------|-------------|--------------|--------|--------|--------|
| Pura 300 | 0,75 kW     | 2000 kg/hour | 320    | 550    | 345    |
| Pura 600 | 2,2 kW      | 4500 kg/hour | 405    | 675    | 400    |