

BSTM



ANTA

DECANTER CENTRIFUGE



Anta brings efficiency, sustainability, and quality together. Its water-free, cold extraction process ensures higher phenolic content, richer taste, and environmentally friendly operation — making it the heart of modern olive oil mills.

Anta Decanter Centrifuge

Application: The BSTM Anta Decanter Series is developed specifically for **two-phase cold extraction**, separating olive paste into solid and liquid phases at just **22°C without any added water**. This process preserves valuable polyphenols, enhances oil clarity, and supports a more sustainable, eco-friendly production by eliminating wastewater discharge.

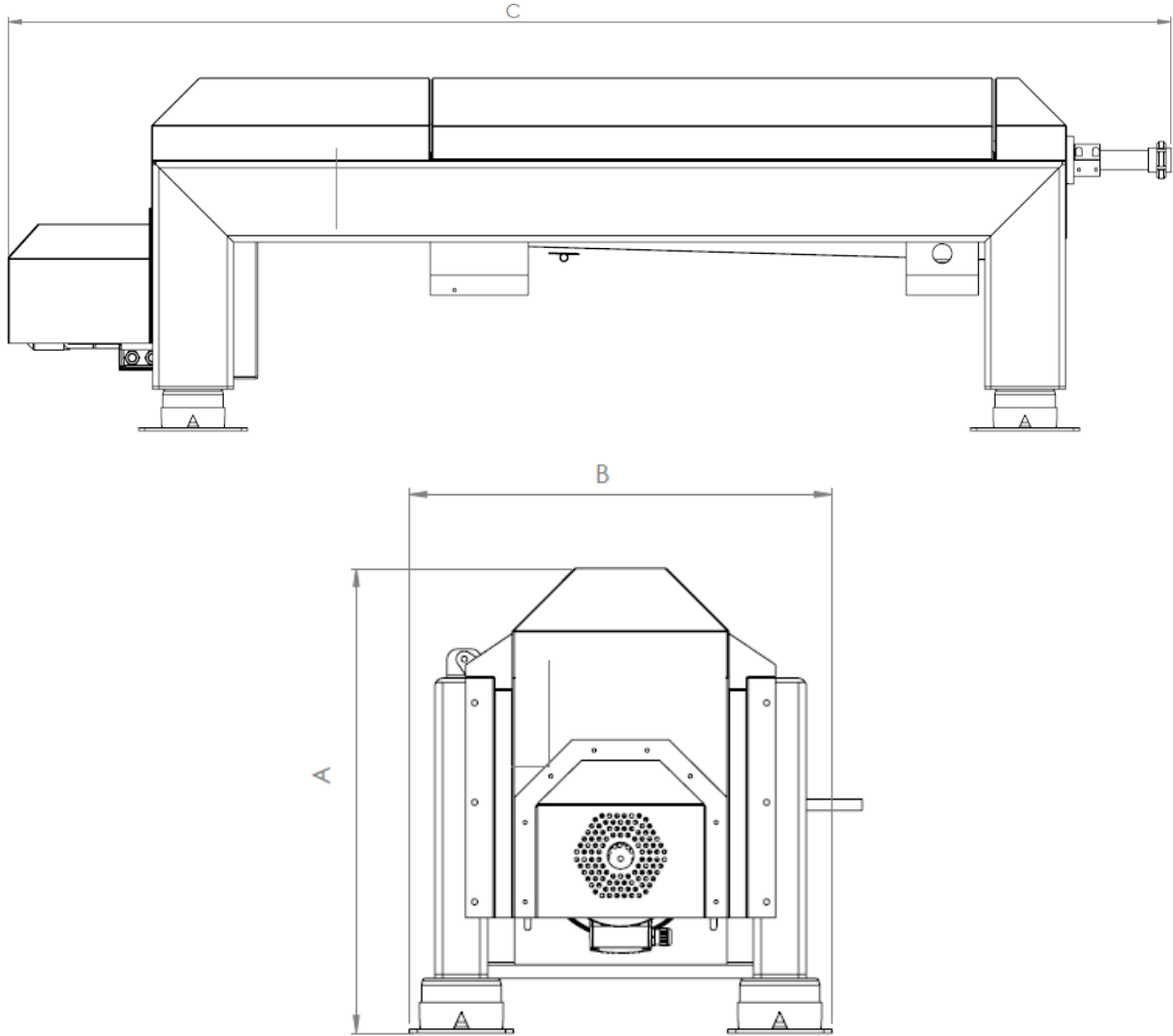
Benefits:

- **Easy disassembly:** Simplifies cleaning and routine maintenance.
- **Wear-resistant components:** Extend service life and reduce downtime.
- **Optimized feed and flow design:** Extends paste residence time inside the decanter, maximizing separation efficiency.
- **User-friendly adjustments:** Makes operation straightforward and flexible.
- **Adjustable differential speed:** Achieved through pulley changes for optimal performance across olive varieties.
- **Sustainable operation:** No added water means higher phenolic content and reduced environmental impact.

Working Principle: The Anta Decanter operates on the principle of **centrifugal force**, efficiently separating olive paste into oil and pomace without the need for added water. The paste enters through a **variable-speed dynamic inlet**, which accelerates the product smoothly and distributes it evenly inside the rotating drum. At high speed, the drum creates a strong centrifugal field, while a screw conveyor moves the solid phase outward and directs the liquid phase to separate outlets. By adjusting the **differential speed** between the drum and the screw via motor settings and pulley changes, operators can fine-tune retention time and separation efficiency. This level of control allows producers to influence oil clarity and adapt performance to different olive varieties and processing conditions, ensuring consistently high quality.

Design: Engineered for **high performance and easy maintenance**, the Anta Decanter features a modular build that allows quick access to internal parts and effortless removal of the screw conveyor. Its **single-motor drive** provides energy efficiency and simple control, while optional screw geometries and differential setups offer flexibility for yield, clarity, or polyphenol focus. All contact surfaces are made of **food-grade stainless steel**, ensuring hygiene and durability, and the compact, robust chassis makes it ideal for both boutique mills and industrial plants.

Technical Drawings:



Technical Specifications:

Model	Motor Power	Drum Diameter	Drum Length	Drum Speed	G Force	A (mm)	B (mm)	C (mm)
Anta 300	3 kW	131 mm	498 mm	5500 rpm	2215g	450	450	1500
Anta 450	3,8 kW	150 mm	550 mm	5150 rpm	2181g	550	500	1700
Anta 900	5,5 kW	203 mm	620 mm	4450 rpm	2247g	700	650	2160
Anta 1500	7,5 kW	252 mm	990 mm	4000 rpm	2254g	875	800	2700