



EVEN MORE PRECIOUS THAN LIQUID GOLD

**Extract valuable nutraceutical
from olive leaves with ANDRITZ Turbex**

Your daily challenge is to produce oil of the highest possible quality, turning olives into gold. But what about adding value to the leaves of your olive trees?

As a source of vegetable proteins or antioxidants such as oleuropein, olive leaves can generate high

nutraceutical value in an efficient and distributed way. ANDRITZ Turbex, an innovative extraction system, makes it easier to comply with environmental constraints, it creates cash flow and converts waste from natural products into functional nutrients. With ANDRITZ Turbex, the extraction

process itself can also be optimized to achieve maximum value in terms of product yield and quality.

Converting waste into value with ANDRITZ Turbex is not just about generating a circular economy. It is about creating a better world for tomorrow.

ANDRITZ

Get the most from your olive leaves

Generate additional revenue from your by-products.

A COMPREHENSIVE SOLUTION FOR YOUR EXTRACTION NEEDS

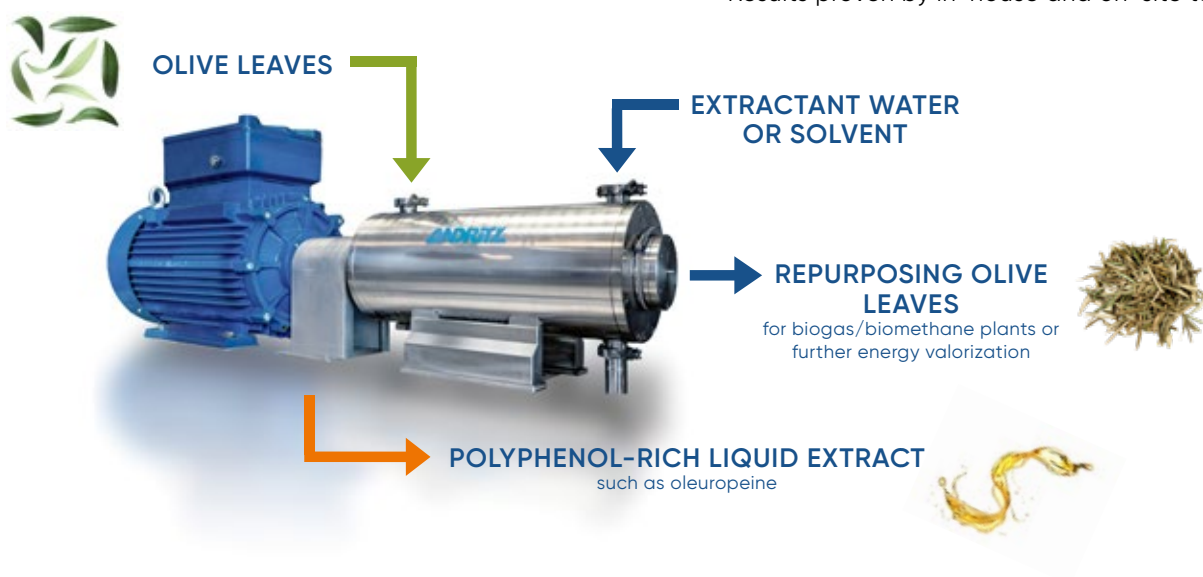
To extract substances from olive leaves, ANDRITZ is offering its Turbex extractor in several configurations:

- **TURBEX PILOT UNIT:** The Turbex pilot unit is equipped with a soaking/feed unit, a liquid recycling/solid dewatering system, and liquid extract filtration to facilitate the complete extraction cycle, including pre- and post-processing of inlet/outlet streams.
- **TURBEX MOBILE UNIT:** In order to carry out tests to validate your specific process or simply to enjoy the benefits of meeting your extraction needs punctually, ANDRITZ can provide a skid-mounted rental unit. Fully equipped with inlet/outlet pumps, this unit is able to process pre-soaked materials.

YOUR BENEFITS*

- One-step extraction, instead of multiple processes, allowing savings of solvent costs
- Delivery of highest quality functional ingredients, active principle elements, and vegetable proteins thanks to low extraction temperatures that avoid oxidation
- Faster extraction as compared to conventional processes due to cavitation, resulting in more production in less time
- Up to 50% higher yield for better profitability
- Reduced energy consumption by up to 30% as compared to traditional processes and leading to a faster return on investment achieved: 180 days)

* Results proven by in-house and on-site tests



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