



**Omnia
Technologies**

Enabling Evolution

Libero & Reduco: the benchmark for high quality dealcoholization

Total or partial.
with full respect
for the original *taste*.

Why choose Libero and Reduco?

Designed for wine and beverage producers, Libero and Reduco are advanced solutions for high-quality dealcoholization, ensuring full respect for the products. They stand out for:

- **Innovation:** an advanced process that preserves aromas and varietal profiles
- **Efficiency:** waste reduction and optimized consumption
- **Flexibility:** customizable solutions for wines and beverages
- **Integrated sustainability:** full recovery of vegetal water and high-value ethanol recovery

With Libero and Reduco, Omnia Technologies offers technology that combines innovation, reliability, and sustainability, establishing itself as a benchmark in the wine and beverage sectors.

Key advantages:



Clear, rapid, and predictable **return on investment**.

LIBERO WINE

LIBERO BEVERAGE

REDUCO



Flexibility and versatility, enabling partial or complete dealcoholization (<0.5%) and adapting to any production requirement.

LIBERO WINE

LIBERO BEVERAGE



Preservation of organoleptic characteristics, aromatic respect, and no alteration of taste in all final dealcoholized products.

LIBERO WINE

LIBERO BEVERAGE

REDUCO



Maximum hydroalcoholic concentration (>90%) with high commercial value.

LIBERO WINE



Complete recovery of vegetable water and absence of wastewater containing alcohol residues.

LIBERO WINE



Sustainable process, optimized to keep operating costs and environmental impact down.

LIBERO WINE

FAQ

- **What impact does total dealcoholization have on wine quality?**

In the no-alcohol segment, quality determines the product's positioning and credibility. Libero is designed to preserve structure, balance, and the **aromatic profile, ensuring consistent**, controllable, and repeatable quality, even at high volumes.

- **When is partial dealcoholization preferable to total dealcoholization?**

Partial dealcoholization is the ideal choice when the goal is to **total alcohol content** while preserving the wine's identity, style, and distinct character. It is particularly well-suited to addressing vintage variability, evolving consumer trends, and the requirements of certain export markets.

- **Is Libero suitable only for high-volume production?**

Libero was created with a clear industrial focus, yet it is designed to adapt to various **production scales**.

It is the ideal solution for those with a vision for growth “whether for in-house production or contract manufacturing” where productivity and consistent quality are crucial.

- **Is Libero an investment or a strategic asset?**

Libero is not an isolated application, but an **industrial solution** designed to ensure **operational continuity**, enable new production models, and generate measurable economic returns over time.

The investment's value is not limited to the initial CAPEX; rather, it unfolds throughout the plant's entire lifecycle, contributing structurally to value creation.

- **Does Libero contribute to optimizing operating and energy costs?**

Libero is designed to improve resource efficiency, helping to control operating and energy costs.

This enables greater **margin stability** and more predictable financial management over time.

- **What kind of support is provided after installation?**

Omnia Technologies partners with the client throughout the entire lifecycle of the system: assistance services, technical support, and continuous optimization activities transform the supply arrangement into a long-term **industrial partnership** focused on enhancing performance and creating lasting value.

- **Does Reduco support both the product development phase and ongoing production?**

Reduco is designed to operate in both contexts: it supports the development and **optimization** of new products while simultaneously ensuring **operational continuity and reliability** in production processes.

It enables the effective management of **various configurations**, ranging from small batches to more complex product portfolios.

- **Is Reduco designed to support the expansion of the product portfolio?**

Reduco integrates multiple functions into a single system, enabling the development of new product lines, the **differentiation of the offering**, and the targeting of different market segments efficiently and in alignment with production requirements.

- **Can Reduco be easily integrated into existing systems?**

Reduco is a modular and scalable solution designed to integrate effectively into existing systems.

Its flexible architecture facilitates adoption, adapting to various production configurations.



Libero and Reduco
are Omnia Technologies' solutions
dedicated to the total and partial
dealcoholization of wine
and beverages.

Automated, gentle, and sustainable solutions
that preserve aromas, varietal profiles, and
organoleptic qualities, setting new standards in
the wine and beverage sector.

One technology, different solutions.

The advantages of Libero and Reduco:

Measurable ROI

The value of these technologies goes beyond performance: they deliver measurable economic results. Libero and Reduco allow the precise measurement of key industrial metrics, such as annual productivity, cost per bottle and plant utilization, transforming the investment into a tangible outcome that can be monitored over time. A model that makes return on investment clear, rapid and fully predictable.

Quality

In the no and low alcohol market, quality is not just a technical goal but a clear economic factor. Libero and Reduco preserve the wine's balance, identity and sensory profile, turning quality into a consistent and controllable factor.

Efficiency

Increased production hours, reduced energy consumption and predictable operating costs help protect margins, even in complex environments. Both solutions are designed to ensure production continuity, efficiency and economic sustainability.

Simplified operations

Integrating new solutions without adding complexity is essential. Libero and Reduco centralize the process within automated, intuitive systems capable of handling different batches and products, in a flexible configuration.

Reliability – Risk Reduction

Automated processes, industrial-grade technologies, and predictable performance reduce operational, economic, and strategic risks.

Dealcoholization becomes a stable component of the production model rather than an experimental activity.

Long-term Partnership

Omnia Technologies provides solutions that go beyond the installation of a single plant. Service, support, and continuous optimization ensure stable, reliable performance, transforming the relationship into a shared journey of growth and improvement over time. An approach that builds lasting value throughout the investment's lifecycle.



Libero Wine: total dealcoholization, designed for quality, volume and continuity

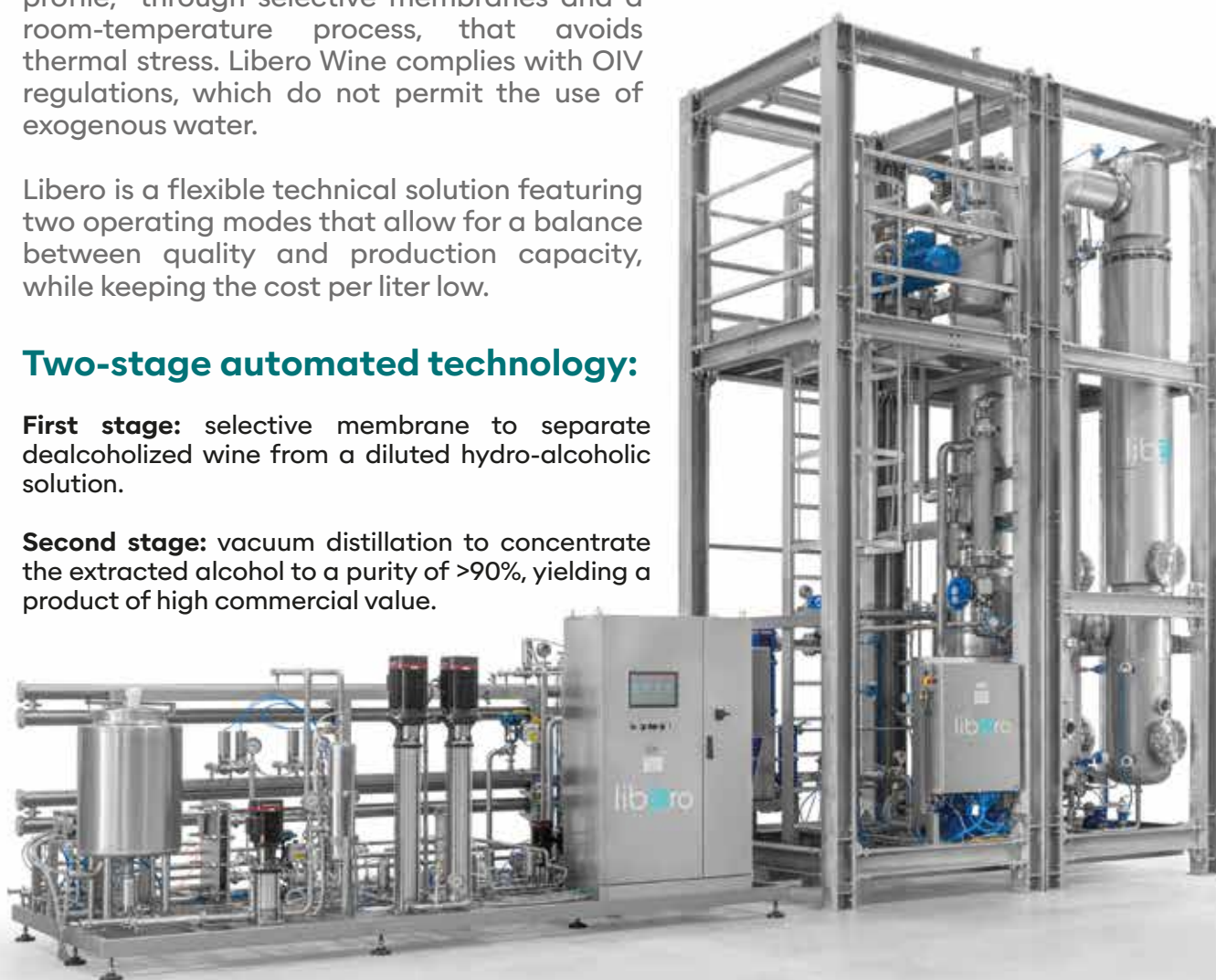
An advanced dealcoholization system for wine **dealcoholization**, designed to preserve aromatic complexity and the original varietal profile, through selective membranes and a room-temperature process, that avoids thermal stress. Libero Wine complies with OIV regulations, which do not permit the use of exogenous water.

Libero is a flexible technical solution featuring two operating modes that allow for a balance between quality and production capacity, while keeping the cost per liter low.

Two-stage automated technology:

First stage: selective membrane to separate dealcoholized wine from a diluted hydro-alcoholic solution.

Second stage: vacuum distillation to concentrate the extracted alcohol to a purity of >90%, yielding a product of high commercial value.



Libero Beverage: the new frontier for 'no and low alcohol' drinks

Libero Beverage is a solution designed for no and low alcohol applications. The technology ensures the product's organoleptic integrity, preserving its structure and aromatic balance. Careful management of the aromatic fraction respects the product's identity, guaranteeing consistent quality even on an industrial scale.

Its operational flexibility allows for adaptation to various applications while fully complying with relevant regulations. The process utilizes external water and does not require ATEX certification, simplifying both installation and operations. This approach also contributes to tangible reduction in operating costs.

Automatic two-stage technology:

First stage: selective membrane to separate the hydro-alcoholic solution from the base product.

Second stage: selective membrane to concentrate the alcohol to a purity of ~15%.





Reduco: controlled reduction of alcohol content, with maximum flexibility

Reduco is a multifunctional technology designed for partial dealcoholization and flexible production needs.

It enables **precise alcohol reduction while preserving the wine's identity, structure, and balance.**

It is the ideal solution for producers looking to adopt a gradual approach to dealcoholization, process small batches, diversify their product portfolio and build in-house-expertise, all through an accessible, modular investment.





Omnia Technologies, the end-to-end partner, from process to packaging.

With the experience and heritage of our
brands, we provide complete solutions
and automated lines driven by
technology, sustainability and service.



**Omnia
Technologies**

Enabling Evolution

Via Feltrina, 72 - 31040
Signoressa di Trevignano (TV) Italy

help@omniatechnologiesgroup.com
www.omniatechnologiesgroup.com



For more info:

www.omniatechnologiesgroup.com/dealcoholization/