

Tow and tractor range for narrow row vineyards: PELLENC once again leverages its vine growing expertise.

For more than 40 years, French group, PELLENC, has been the preferred partner for vine growers. Today, the Group has added to its back catalogue with the launch of new machines: the multifunction straddle tractor for narrow vines, the *OPTIMUM 340*, and *GRAPES' LINE*, a range of tow grape harvesting machines. A product of the Group's innovation and field expertise, this cutting edge technology combines performance, ergonomics and safety. Such machines allow professionals to harvest grapes and quickly and effortlessly complete all vine work.

OPTIMUM 340 TRACTOR AND HARVESTER HEAD

OPTIMUM 340 tractor for narrow vineyards



For several years, vine growing industry professionals have used the *OPTIMUM* range. As a true PELLENC benchmark, the *OPTIMUM* range combines profitability, harvesting quality and is environmentally friendly. Today, thanks to the **all new OPTIMUM 340 tractor that can be used within a 1-1.50m width range**, vine growers can use this technology for narrow vineyards.

The *OPTIMUM 340* tractor combines a number of features to meet specific narrow vineyard challenges. **Its multifunction aspect was improved using hydraulic connections and innovative toolholders.** Activated by controls disconnected from the ground, they facilitate tool towing and avoid back and forth movements in the driver's seat, ensuring greater safety.

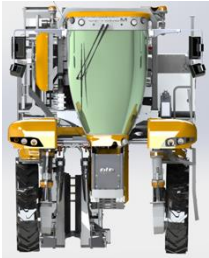
The *OPTIMUM 340* cockpit has a hydraulic opening and closing ladder in addition to a wide access platform in the driver's seat. Its "high comfort" pneumatic suspension seat is heated and includes an armrest with a joystick. **Driving assistance is also optimised thanks to a 10-inch touchscreen** displaying the slopes and slope percentages instantly. It also has an independent touchscreen video displaying up to 4 cameras.

During the design of *OPTIMUM 340*, special care was given to:

- **Safety** with a pressure system and an emergency stop;
- **Maintenance** with easier access and a reminder for necessary reviews;
- **Handling** with a wheelbase of 2.60m and a steering angle of 85 degrees, ensuring perfect stability;
- **Fuel economy** (up to 43%) with automatic regulation of the combustion engine speed.

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Narrow vineyards' harvester head



The narrow vineyards' harvester head fully complies with vegetation and keeps the berries. Washing is made easier and safely completed. To optimise the grape harvest, the harvester head has the following features:

- **Stainless steel loader:** 1,400 litres with a spreading auger;
- **Minimum harvesting height of 15 cm**
- **Sealing of 2.10 metres** for faster working speed
- **Selectiv' Process system** separating the stalks without splitting them, whilst leaving the berries intact. The sorting table gets rid of the stalks, petioles and other waste;

GRAPES' LINE TOW RANGE

GRAPES' LINE tow range



This new range of 5 tow grape harvesting machines was designed to meet the needs of professionals. **The GRAPES'LINE 40, 45, 60, 70 and 80 ranges integrate PELLENC's latest technological innovations for machine shaking, conveying, sorting and driving.** They offer the same grape harvesting quality and exceptional driving comfort.

More specifically and based on professionals' needs, they offer:

- **Optimised driving interfaces** with a touchscreen (exclusively *GRAPES'LINE 60 and 80*);
- **New picking arms** that comply even more with vegetation and up to **10 pairs of unit shakers and shock-absorbers** (exclusively *GRAPES'LINE 60, 70 and 80*);
- **A stainless steel "L" conveyor and low stainless steel protection** for better maintenance and ground surface work;
- **Automatic conveyance tension with an indicator visible from the driver's seat;**
- **A harvesting cleaning system that removes leaves without losing any juice;**
- **The Selectiv' Process system** separates the stalks without splitting them, leaving the berries intact. With a 2.5m² sorting surface, it separates the stalks, petioles and other waste;
- **Automatic shut-off valves in the chutes** during the tipping process (exclusively *GRAPES'LINE 60, 70 and 80*);
- **AUTOTORQUE driveability** that automatically adapts to all terrains, uphill and downhill;
- **A semi-automatic slope upgrade** (exclusively *GRAPES'LINE 60, 70 and 80*);
- **Dual braking system**, ensuring optimal safety (exclusively *GRAPES'LINE 60, 70 and 80*).

As for maintenance, the *GRAPES'LINE 60, 70 and 80* have functionalities that maximise washing safety and simplify it:

- **Optimised doorway position** for more accessible loaders cleaning and visibility on ginners and sorting tables;
- **Water column** for greater ease on the washing platform;
- **Disconnected controls** to disengage cleaning items and stop its operation in an emergency.

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The PELLENC GROUP

Roger Pellenc founded the PELLENC GROUP in 1973. It is now a world leader in machinery, equipment, and electric tools (lithium-ion technology) for specialised agriculture and the maintenance of green and public spaces. Since its beginning, the Group's development has been based on a policy of continuous innovation that seeks to anticipate market changes and offer professional customers solutions that are always more efficient. This strategy has led to the filing of 884 patents and resulted in numerous awards, prizes, and trophies—attesting to the excellence of PELLENC products.

Today, with its 1,489 employees, 16 subsidiaries, 7 manufacturing sites in France and abroad, a technological R & D centre of 113 engineers in France, and nearly 800 distributors worldwide, the PELLENC Group (€236.6M in sales) has emerged as an international leader, particularly in the areas of viticulture, viniculture, fruit and olive growing. It thus affirms its commitment to the national economy and the strengthening of its market position on all continents in order to be closer to its 50,000 customers.

The PELLENC Group has also been implementing a comprehensive environmental policy for years now, by offering a full range of "Zero Emission" products, developing and operating an industrial tool that meets the standards of eco-construction and optimized logistics—aimed at reducing its waste production and environmental impact. Finally, the long-term success of the PELLENC Group and the maintenance of its position as leader in its markets are guaranteed by its ability to combine the technological innovation of its products, the continuous improvement of its industrial performance, and the sustainability of its activities.

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