

# Catalogue 2016-2017

vine growing | wine producing | fruit growing | olive growing



Machinery, equipment,  
and power tools for professionals



[www.pellenc.com](http://www.pellenc.com)

**PELLENC**







## PELLENC, INNOVATION FOR ENHANCING YOUR PERFORMANCE

Founded in 1973, the PELLENC Group has always supported a dynamic innovation policy aimed at creating new technological avenues, to deliver innovative and increasingly efficient products to its customers. The PELLENC Group has been present on the fruit and wine growing market from the very beginning, and has developed its product lines to meet the quality expectations and economic objectives of its customers. This policy has led to the filing of almost 600 patents for the Agriculture Division alone, and has received numerous awards from the profession in recognition of its achievements.

True to its pioneering tradition, the PELLENC Group is presenting its 6th generation of pruning shears – VINION and PRUNION – this year, with new technologies that will mark a major shift in the fruit and vine pruning business at a price that makes them readily available. There are also new carriers with the introduction of two over-row straddle tractors, the HD 130 and the HD 330 for narrow vines, which complement the OPTIMUM range of carriers and harvesting machines. In terms of equipment, the Multiviti range has been enhanced with a new bogie trimmer.

Today, the PELLENC Group, with its 1,200 employees, 16 subsidiaries, 6 industrial sites in France and Europe, and more than 800 distributors around the world, has established itself as a major player in the field of specialised agriculture. The PELLENC Group thus combines a firm commitment to the national economy and to the strengthening of its market position on all continents, fostering close relationships with its clients.

Finally, the PELLENC Group, sensitive to environmental issues, has implemented a global sustainable development policy. In addition to developing its range of "Zero emission" tools, the company managed to implement an industrial tool that meets the eco-construction standards and an optimised logistics that reduces waste and the impact on the environment.

Thank you for placing your trust and confidence in the PELLENC Group, and invite you to discover the full range of machinery, equipment and tools that we have developed for you.

**Roger Pellenc**  
Managing Director

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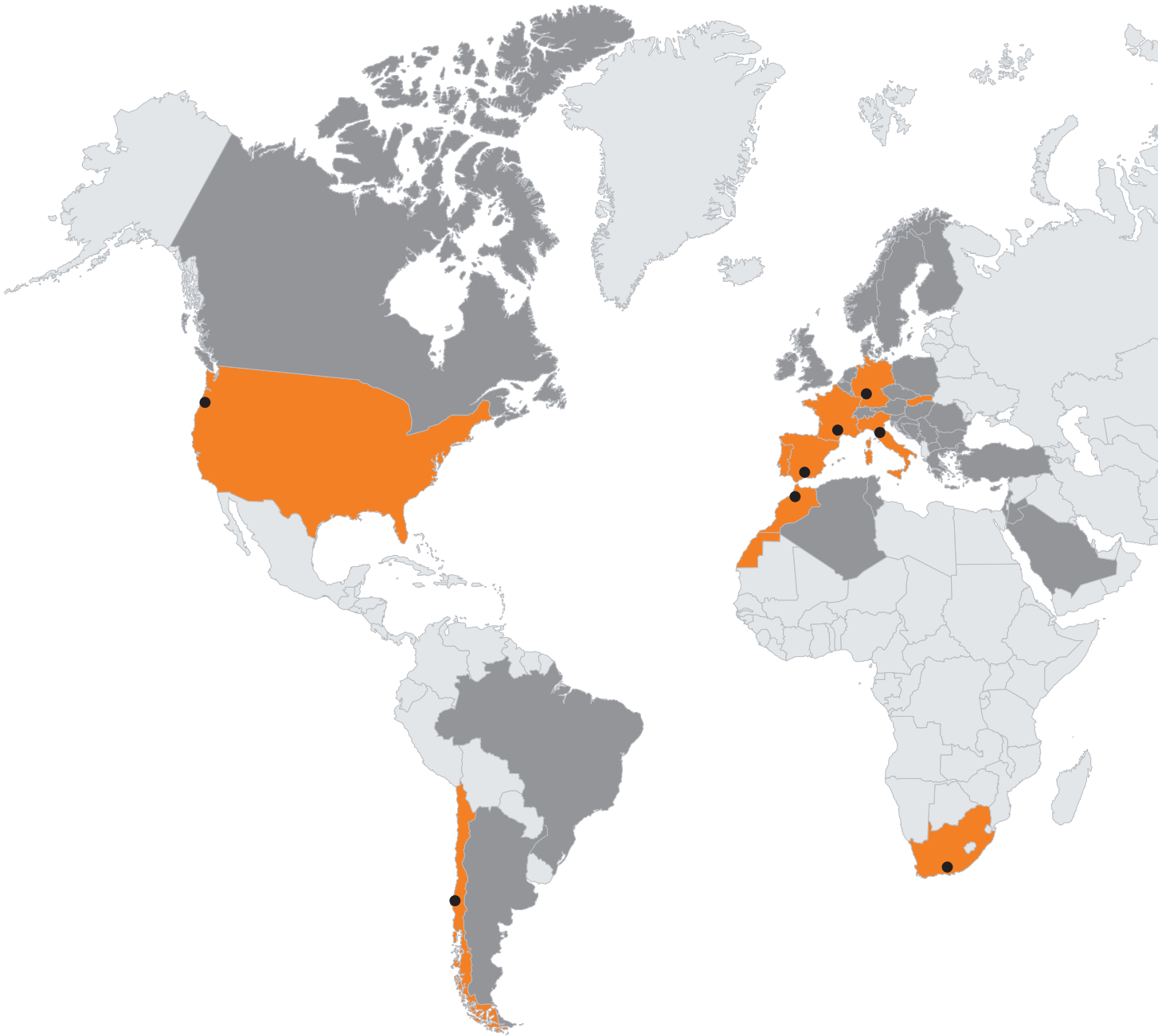
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## AN INTERNATIONAL DISTRIBUTION NETWORK

PELLENC is a French group of international dimension, with more than 800 distributors, present worldwide.

Wherever you are, there is always a PELLENC contact to answer your needs.

■ Subsidiaries/Production sites

South Africa, Germany, Australia, Chile, China, USA, Spain, France, Italy, Morocco, Portugal and Slovakia.

■ Distributor countries

Algeria, Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Canada, Czech Republic, Cyprus, Croatia, Denmark, Finland, Greece, Hungary, India, Ireland, Israel, Japan, Jordan, Lebanon, Luxembourg, Macedonia, Montenegro, New Zealand, Norway, Portugal, Romania, Saudi Arabia, Serbia, Slovenia, South Korea, Sweden, Switzerland, Tunisia, Turkey, and the United Kingdom.



## AN INDUSTRIAL ORGANISATION THAT IS ECO-RESPONSIBLE

PELLENC designs and manufactures its machines, equipment and tools to the highest quality standards by combining industrial performance and environmental responsibility. The Group invests nearly € 3 million per year for the maintenance and development of its industrial equipment at its six production sites, which include more than 1,200 employees, in addition to the optimisation of its logistics organisation. This policy allows PELLENC to naturally adhere to the requirements of sustainable development by integrating green building standards, reducing waste, promoting recycling at the source, and limiting the environmental impact of its activity.



*The group's head office at Pertuis, in the Vaucluse department - France*



# PRODUCTS MANUFACTURED IN FRANCE AND EUROPE

Trusting PELLENC means being certain of having the most efficient machinery, equipment and portable battery-operated tools for viticulture, viniculture, fruit-growing, and olive growing.

Indeed, the continuing investment policy pursued by PELLENC in research and development makes it possible to integrate the most advanced technologies into every product to meet your requirements for performance and efficiency. Finally, the PELLENC industrial strategy, which seeks to design and manufacture its products in an integrated manner in France and Europe, combined with a continuous improvement approach, guarantees that you receive unrivalled quality.



## DESIGN

PELLENC has developed an integrated Technocentre located at the company's headquarters in Pertuis, in Provence, consisting of engineering offices, an electronic laboratory, and prototype workshop that employs hundreds of engineers. The research & development creates new technologies and designs the tools of the future. It results in making Pellenc the world's 1st manufacturer to offer a full range of professional electrical tools dedicated to green space maintenance, viticulture and orchards. More than 900 exclusive patents, that Pellenc is very proud of, have been developed in this Technocenter. Among these patents are: the optical trigger of the VINION vine pruning shear, the electronic chain brake on the SELION M12 chainsaw pruner, as well as the ergonomic insulating handle of the OLIVION olive harvesting tool.



## PRODUCTION

The Pellenc strategy has always been to manufacture its products at its plants, in France and Europe, in order to monitor and control the production quality and protect its technological lead. Product industrialisation is taken into account starting from the design. The methods and processes are inspired by the best performing industries (such as the automotive and aeronautics industries, among others).

The manufacturing and assembly processes include self-test steps at each work station, and involve all operators on the assembly lines. The PELLENC Quality Assurance is based on the integration of self-auditing operations at each step of the manufacturing process, this involves each operator and the final testing of each tool on the test bench to guarantee the proper functioning of the tool and its performance level. PELLENC demands the same policy from partners to guarantee the conformity of its supplies, to ensure complete satisfaction.

# A COMPLETE SERVICE OFFER AND A LOCAL NETWORK

With 40 years of experience, PELLENC now has a network of over 800 qualified professionals, available and ready to help you anywhere in the world. In this way, PELLENC customers are guaranteed access to both a sales contact who will quickly offer advice on the tool best suited for the job and financing or leasing solutions corresponding to their situation. The PELLENC network is also there to ensure a local after-sales service for maintenance of PELLENC tools to maintain their performance.



## CERTIFIED ORIGINAL PARTS

To extend the service life of your equipment and to safeguard the warranty for your tool, PELLENC recommends that you only use certified original PELLENC parts. Your authorized PELLENC dealer will be able to inform you about the wear parts replacement programme for your tools.



## TRAINING

PELLENC is an approved Training Organization and offers a full program of technical training to its dealers and drivers of PELLENC machines.

In 2012, PELLENC created a training centre including a hall with machines dedicated to training, visual technical equipment, and training documents to implement these programs. These integration measures make it possible to effectively combine the stages of hands-on learning with the theoretical training offered.

All PELLENC trainers are technical experts who have been confronted with situations in the field, on our customers' sites.

Every year 1,000 sessions are organised by PELLENC, representing 6,000 hours of training intended to maintain the expertise of the PELLENC network of technicians and optimise the operation and maintenance of PELLENC machinery, equipment, and tools by their users.





## AFTER-SALES DEPARTMENT

The PELLENC After-Sales Department operates in all countries where the brand is present and as such, provides technical support and expertise to the PELLENC network of authorised dealers to the benefit of its end users.

PELLENC provides "on-line" technical support to its dealer network 5 days per week throughout the year and everyday during the harvesting season. All the technicians in PELLENC's After Sales Service technicians have superior technical training and proven skills gained after many years of field experience, They regularly attend internal training sessions to maintain their level of expertise, particularly when it comes to new technologies.

## 2-YEAR WARRANTY

PELLENC offers a two-year warranty on parts and labour on its batteries and tools.

By choosing PELLENC, you choose peace of mind and quality of service.

## MAINTENANCE

PELLENC distributors are equipped to repair and maintain the PELLENC product range. Technicians being part of this network have been trained by the PELLENC training organization. The annual maintenance is performed according to PELLENC's recommendations, to guarantee the tools durability.

The maintenance includes: a complete check-up of all safety devices, motors, blades and greasing. All informations concerning the annual maintenance plan are available at your Pellenc dealer.



# PRODUCTS



# MULTIFUNCTION A PELLENC DESIGN

## Portable power tools

Pellenc was the world's first manufacturer to introduce lithium-ion technology into its handheld tools and has developed its own technology for the best power/weight/Battery-life ration suitable for intensive, professional work.

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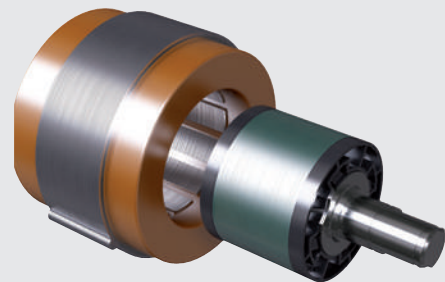


# THE ELECTRICAL MOTORS



Leading the way with the launch of the electric pruning shears, Pellenc has since developed many hand tools. All of these tools use revolutionary Pellenc motors. It provides power and efficiency tfor precisions and fatigue-free work.

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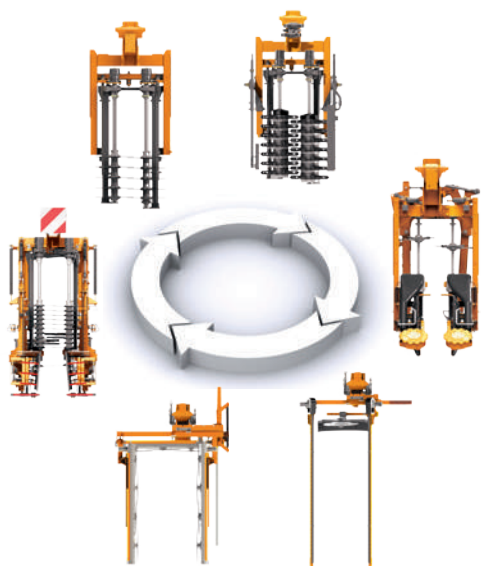
## MULTIVITI 20 or 40 chassis

### 1-row and 2-row over-row straddle tractor

MULTIVITI is a chassis for inter-row and over-row straddle tractors that hitches the full range of tools for vineyard work in 3 minutes and without tools.

The recognition and assignment of commands are carried out automatically.

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## OPTIMUM Multifunction carrier

Harvest and perform all the tasks in your vineyard using your Pellenc carrier for unrivalled work quality. The PELLENC multifunction is the eco-efficient solution.

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# ULTRA LITHIUM BATTERY

## PROFESSIONAL BATTERIES

### UNMATCHED WEIGHT/POWER/ BATTERY-LIFE RATIO

Pellenc is the first world manufacturer that introduced lithium-ion technology in portable power tools. PELLENC has developed its own technology for a power/weight/Battery-life compromise suitable for intensive professional work.



*"As a user of many PELLENC tools (Lixion, Treelion, Selion pole and Selion M12), I appreciate the quality of the PELLENC Ulib batteries every day. Their first advantage, and the most important to me, is their considerable Battery-life that guarantees me at least one day of intensive work without having to recharge. The first PELLENC batteries purchased in 2005 with my electric pruning shears are still fully functional, with no maintenance, and despite 600 hours of work yearly! With Ulib 200 (pruning shears) or Ulib 700, I appreciate the ventilated, ergonomic carrying harness that allows you to forget about the battery when you're working. The Battery-life display is very accurate, I don't recharge the battery unnecessarily for the next day if the remaining capacity is sufficient."*

**Cedric RIOLS**

Riols C.V. Fruit growing - Saint-Martin-de-Crau - FRANCE

# PELLENC ADVANTAGES

## COST EFFECIENCY

- Minimal cost.
- Save 3,000 l of petrol and 60 l of oil (chainsaw) over its life.

## COMFORT

- Constant power up to the end of the discharge cycle.
- Battery level indicator.
- Ergonomic harness.
- Multipurpose battery.

## ERGONOMICS

- The harness distributes the weight of the battery.
- Breathable mesh fabric.
- Velcro attachment to position the cable.
- Instant start-up in all weather conditions..

## EFFICIENT

- Up to 1,200 full recharges possible.
- Automatic charge management to optimise charge when inactive.

You will save money by replacing your old petrol engine tools with PELLENC tools! Once a battery is paid for, you can yield the benefits of your investment for the remaining duration of its life.

## RETURN ON INVESTMENT TABLE

### Work it out for yourself

Example of return on investment after 800 cycles using the ULiB 700.

#### DAILY CONSUMPTION OF YOUR HEAT ENGINE EQUIPMENT

	Using a 2-stroke mix*	Using ready to use fuel
l./day	5 l	5 l
Cost 1 l.	€ 1.50	€ 4
Daily cost	€ 7.50	€ 20

\* The regulation requires the substitution

#### IF YOU BUY A PELLENC 700 ULiB BATTERY

Daily cost	€ 0.10	€ 0.10
<b>Savings per day</b>	<b>€ 7.40</b>	<b>€ 19.90</b>
Paid off in	130 days	50 days
Return on investment	€ 5,000	€ 15,000



27 Kg\* of CO<sub>2</sub>

VS



5.2 tons\* of CO<sub>2</sub>

\* Direct emissions of CO<sub>2</sub>/day with a Pellenc hedge trimmer

\*\* Direct emissions of CO<sub>2</sub>/day with a combustion engine hedge trimmer

# PELLENC ULTRA HIGH CAPACITY BATTERIES

The best weight/power ratio on the market!

The 150 Ultra Lithium Battery develops, for example, 150 Wh for only 0.566 kg of lithium-ion elements. PELLENC is the only manufacturer in the world to use the revolutionary lithium-ion ternary technology (Nickel-Manganese-Cobalt). Given the light weight, a grower can work for a full day.

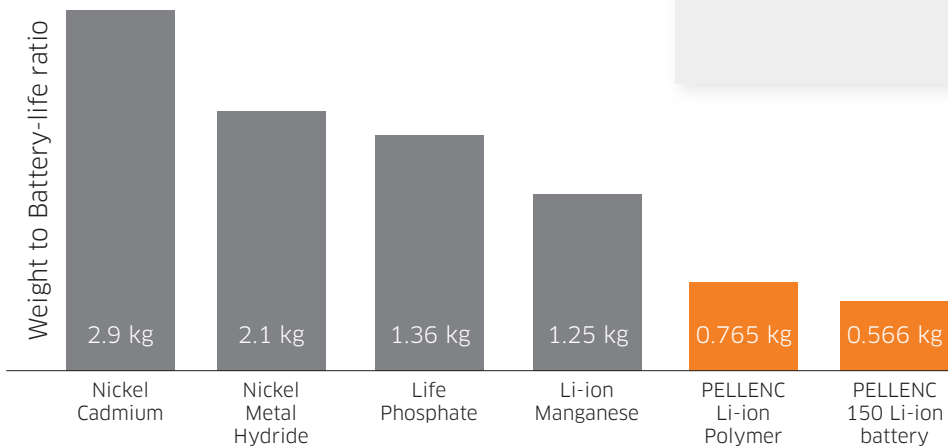
To generate the same amount of energy, a nickel cadmium (Ni Cd) battery would weigh 2.9 kg, a nickel metal hydride battery (NiMH) would weigh 2.1 kg, a lithium iron phosphate battery (technology used for electric vehicles) would weigh 1.36 kg and a lithium-ion manganese battery (technology for portable electrical tools used by the public) would weigh 1.25 kg!

**Secure system**  
Ensures the safety of your battery and prevents overload and discharge.

**Balance system**  
Guarantees balanced charging of each component.

**Life system**  
Ensures optimum lifespan through individual protection of each component.

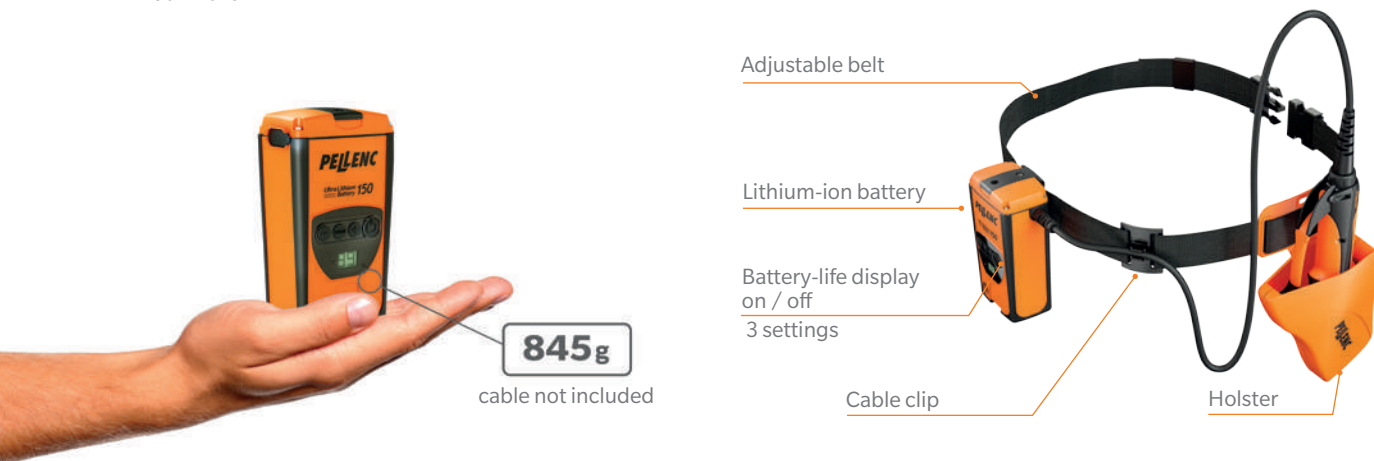
**Power system**  
Recognition device that delivers the optimal capacity required for each Pellenc tool.



## A complete range of batteries adapted for each use

### 1. The 150 and 150 P pocket batteries

Its light weight and record Battery-life allows you to work a full day with unmatched comfort



## 2. The 250 multipurpose battery with a double connector

Connect a pruning shear and a second PELLENC tool simultaneously.



### 250 battery with double connectors

Connect two PELLENC tools at the same time

Designed to alternately power the PRUNION or VINION with the SELION M12 (chainsaw pruner) or another PELLENC tool.



Pruning in an orchard with the SELION M12 and PRUNION using a ULIB 250 battery for alternating work.



### 3. The multipurpose batteries

Designed for the Pellenc electrical tools range.



Recommendation for using the batteries and tools according to power and Battery-life.

	SPECIFIC BATTERIES		MULTI-PURPOSE BATTERIES		
	150	150 P*	250	400	700
VINION	9 h	-	15 h	-	-
VINION + SELION M12	-	-	12 h	-	-
PRUNION	-	9 h	12 h	-	-
PRUNION + SELION M12	-	-	9 h	-	-
SELION M12	-	-	2 h	Up to 3 h	Up to 1 day
SELION pole	-	-	2 h	Up to 3 h	Up to 1 day
CULTIVION	-	-	2.5 h	Up to 4 h	Up to 1 day
OLIVION	-	-	2 h	Up to 3 h	Up to 1 day
TREELION ADAPTABLE M45 and D45	-	-	12 h	3 days	4/5 days

\*Special for citrus fruit trees



# PELENC ULTRA HIGH CAPACITY BATTERIES

## Record Battery-life

ULiB batteries allow you to work from a half to a full day. The power delivered is always constant regardless of the level of energy. All PELENC batteries have a display showing the remaining Battery-life as a percentage.



## PELENC electronically-controlled lithium-ion battery

Control of the lithium-ion battery cells is fully ensured by an electronic board. The battery temperature is controlled during charging. If it is too low or too high, the battery switches automatically to safety mode.



● Standard equipment

ULiB	150	150P*	250	400	OLIVION	700
Weight (without harness and without cord) - kg	0.845	0.845	1.680	3.4	5.5	5.5
Type	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion
Voltage - V	43.2	43.2	43.2	43.2	43.2	43.2
Capacity - Ah	3.45	3.0	5.8	9	15.4	15.8
Stored energy - Wh	150	130	250	400	700	700
Maximum power - W	865	1,730	1,730	1,500	1,500	2,000
Average lifetime - Cycles*	800	800	1,000	Up to 1,200	Up to 1,200	Up to 1,200
Charge time - h	9	8	5	5	8	8
Carrying	Belt	Belt	Harness	Harness	Harness	Harness
Charger - A	0.4	0.4	1.2	1.2	2.2	2.2

\*Special for citrus fruit trees

# HIGH-PERFORMANCE ELECTRIC MOTORS A PELLENC ESSENTIAL

It all started with the PELLENC electric pruning shears, and since then, numerous portable power tools have been developed. These tools use revolutionary PELLENC motors that bring power and efficiency to your products while reducing vibrations for precise, fatigue-free work.



*"The PELLENC tools and technology with Brushless motors have increased the profitability of my olive farm, while optimising working comfort. In fact, the power delivered by the PELLENC motor of the Olivion allows me to harvest my olives four times faster than by manual harvesting. The ease of use is impressive— the electrical technology reduces emissions and vibrations to a minimum. The extremely reduced size of the PELLENC motor makes it possible to position each tool ideally, optimising their balance. We have been using the PELLENC Brushless motors for 20 years (Electronic shears P2000) and I am fully convinced of their maintenance-free reliability."*

**Rémi COSTE** - Olive Grower  
User of Treelion, Lixion Evolution, Selion Pole Pruner, and Olivion  
Maussane les Alpilles - FRANCE

# PELENC ADVANTAGES

## PERFORMANCE

- The Brushless technology (frictionless and carbon-free) developed for the PELENC motor allows it to have a power to weight ratio that is unmatched.
- Ultra-lightweight tools.
- Compact.

## ECO-FRIENDLY

- PELENC motors are 95% recyclable.
- Zero CO<sub>2</sub> emissions.
- Silent.

## COST EFFICIENCY

- PELENC motors achieve an efficiency rating of nearly 92%. They produce a lot of power with low fuel consumption.
- PELENC motors require no maintenance.

## QUALITY

- The design of PELENC motors, thanks to the absence of friction, makes them long-lasting, guaranteeing the reliability of your tools.



*PELENC Brushless (frictionless) motor*



*Perfect integration of PELENC motor in the tools*



# MULTIVITI

## A CHOICE OF THREE CHASSIS FOR ALL TYPES OF WORK IN THE VINEYARD

With MULTIVITI, you can hitch any PELLENC vineyard work tool on the same chassis in just 3 minutes! The range includes three chassis; on an in-row tractor with MULTIVITI 20 and 40, and on an over-row straddle tractor with MULTIVITI OVER-ROW STRADDLE TRACTOR (1-row or 2-row).



*"We use our MULTIVITI chassis with a VISIO HD pre-pruner (250 hectares/year) or a PELLENC wire lifter (50 hectares per year). We were interested in the quick change capability of the tool. We are really pleased with the ease and speed of change in actual use: only a mechanical key to open, two hydraulic push-pulls, and an electrical outlet to plug in! The compact chassis allows us to perform all kinds of work in the vineyard without removing the frame or snagging the foliage. The time saved is significant, especially during periods of high activity. "*

**Robin THOMAS**

SCEA Château de Clam - Saint-Georges d'Antignac - FRANCE



# PELLENC

## ADVANTAGES

### COST EFFICIENCY

- Five PELLENC functions: pre-pruning, pruning, wire lifting, leaf removing, and trimming.
- Works with other equipment

### EFFICIENT

- Change tools in record time.
- Tool with exceptional work stability.

### EASE OF USE

- All adjustments are easy to make.
- The ergonomic, backlit PELLENC MULTIVITI joystick and screen incorporate all the functions and self-diagnoses of each tool coupled.

### SAFETY

- Single-handed coupling and uncoupling.
- Coupling plate with safety pin.
- Simple and intuitive connection:
  - > 3 push-pull connectors
  - > 2 electrical sockets
- MULTIVITI 20, or 40 or over-row straddle tractor: 3 versions available for working comfortably and safely in all situations.



MULTIVITI 20 mounted on three rear attachment points



MULTIVITI two rows over-row tool with hydraulic trimmer

## MULTIVITI: AVAILABLE IN 3 VERSIONS

- Front mounting: **MULTIVITI 20**

**Simple connection**  
3 push-pull connectors  
2 electrical sockets



Hitching plate with safety pin



**Antipollution**  
filters protect the hydraulic components from impurities.



**Safety cylinder**  
Adjustable according to the weight of the tool  
Swing-back of the head in case of hooking



Standard equipment stay-rods, turnbuckles, and pallet stand



- **MULTIVITI 40** 3 point rear hitch

**New chassis provides optimum visibility!**

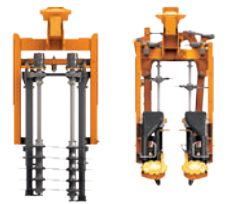
The ideal weight distribution makes it possible to work quickly and safely on uneven ground. This chassis offers the MULTIVITI modularity and ergonomics, with optimal stability for all the tools.  
Comes standard with its own hydraulic unit.



- Hitching on **MULTIVITI OVER-RROW TOOL**

The chassis includes the same coupling system as that of the MULTIVITI 20 and 40 chassis, with optimum stability for all tools.

Available in 1 row or 2 row versions and compatible with the following MULTIVITI tools:  
MULTIVITI trimmers, wire lifters, and pre-pruners by PELLENC.



- Pellenc hydraulic unit for the **MULTIVITI**

**More power for your tools:**

- 60 l capacity
- Two hydraulic pumps of 28, 48 or 76 l/min.
- Oil cooler
- Optional central or lateral weight holder



**Makes your work easier**

Each PELLENC tool comes with its secure stand.



## Disco Pre-pruner

Simple and Economical

Working speed: up to 5 km/h.  
Super strong boron steel discs (do not require sharpening).  
Clean vine shoot cuts  
Automatic opening around posts thanks to an optical vision system (optional).  
The mulching discs eliminates wood removal.

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## Visio pruner

Power and speed designed for long working hours

Working speed: up to 8 km/h.  
The mulching discs eliminates wood removal.  
Pradine Blades provide the same cutting quality as pruning shears.  
Automatic opening around posts thanks to an optical vision system (optional).

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## Precision Pruner

Reduce your costs and pruning time

Working speed: up to 3 km/h.  
Up to 90% less time for pruning.  
Cordon tracking by vision system: quality, comfort, and fatigue-free.  
Intensive daily output.

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## Wire lifter

Lift, trim and trellis in one run

Working speed: 4 to 5 km/h.  
An unbeatable tool for vines with dense canopies.  
An even, wind-resistant canopy.  
Wide range of biodegradable ties.

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## Trimmer with cutter bar

Safe reciprocating type cutting

Sturdy, lightweight, and quiet with no projectiles.  
Unobstructed view.  
Ultra-lightweight machine.  
Any diameter of shoot can be cut.  
Reciprocating self-cleaning blades.  
Impact-proof design.

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## Trimmer with rotating blades

Rotary cutting with no fouling

Adjustable pivot, lower cutting module.  
Impact-proof design.  
Blades with low sap accumulation.

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# OPTIMUM

## HARVEST AND CARRY OUT ALL TASKS IN THE VINEYARD

Economical, comfortable, safe, and easy to operate – with the OPTIMUM carrier you can carry out all tasks in the vineyard without fatigue and in record time.



*"Learning how to operate the OPTIMUM machine was very fast and easy. Our drivers liked the EASY TOUCH touch panel and intuitive pictograms. The new cab provides space and comfort, for long working hours. The kinematics of the harvesting head allows us to increase our work rate with an optimum harvest quality, there is very little juice in the bins and suction fan outlets. We use all PELLENC multifunction tools on our carriers, the new steering modules allow us to turn very quickly in the headland."*

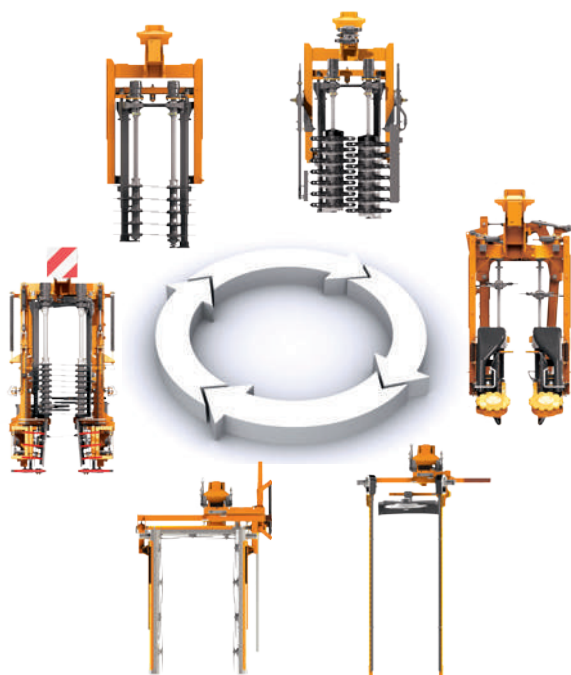
**Patrick HENRY**  
Domaine Isle Saint Pierre - FRANCE



## Reduce production costs

PELLENC designs and manufactures all its multifunction tools

- Multifunction Kit
- MULTIVITI tools
- Sprayer
- Multifunction tool carrier



### OPTIMUM

The only multifunction carrier with road approval

Designed for quick and comfortable drive on the road.

EASY CONNECT: ultra-quick hydraulic and electrical connections.



EASY CONNECT  
Hydraulic monocoupling

### Cost effective

Reduces fuel consumption by up to 43%.

1 working day without refuelling: 190-260 l tank.

Work up to six rows at a time.

### PELLENC warranty

One exclusive contact for all your equipment, carriers, and tools.

## The most compact and well-balanced machine on the market

### Unique architecture

The PELLENC teams designed the OPTIMUM carrier taking into consideration the needs of multifunction work. Its performance is excellent with all PELLENC tools.

OPTIMUM has unmatched manoeuvrability in headland with a 95° turning angle.

### Protect your vines on a long term basis

Root compaction limited => cm<sup>2</sup> pressure identical to an in-row tractor:

- Wheels are in the centre of the row.
- Tools are in the centre of the machine.
- Alignment of the front/rear wheels.
- The best balanced carrier on the market: weight distribution of 50/50 front to back, and left to right.

### The most compact carrier on the market!

PELLENC OPTIMUM carrier compact size offers:

- Fast and safe working conditions in all vineyards, even narrow ones.
- Work on slopes of up to 32% (depending on the model).
- Easy road transport.



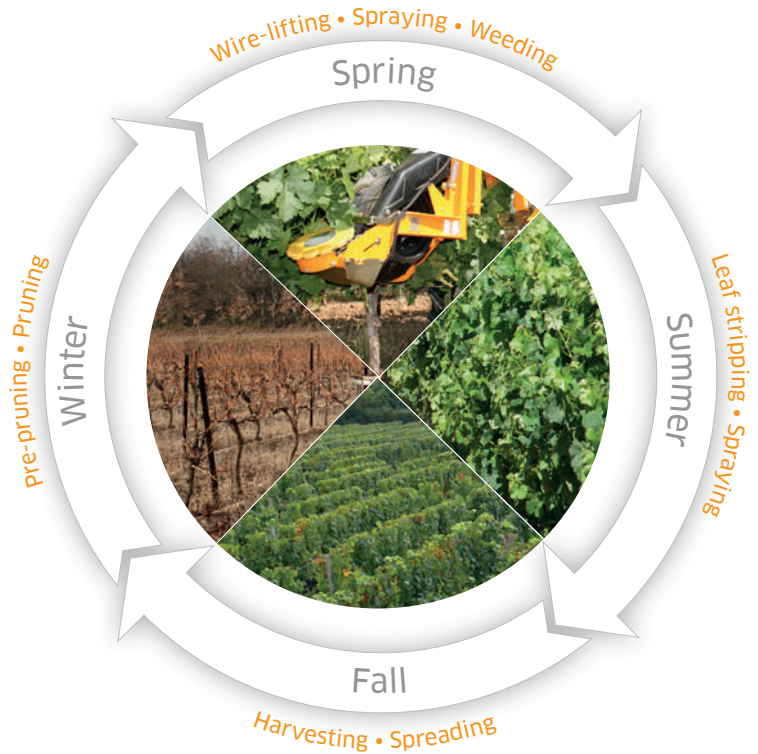
Wheels close to the root system

Wheels in the centre of the row.

# MULTIFUNCTIONAL PERFORMS ALL VINEYARD TASKS

A full work day without refuelling (190 - 260 l tank).

Reduces diesel consumption by up to 43% per ha.



## Maintain the soil with the Multifunction tool carrier

Two rows in a single run

Practical: automatically adapts to the planting width.

Economical: works the soil faster than a tractor.

Practical, you can attach any type of soil maintenance tool.

page 33



## Pre-pruning with Disco

Simple and economical

Average work speed: 5 km/h, even in dense vegetation.

Extra-strong boron steel disks (no sharpening needed).

Automatic opening around posts thanks to an optical vision system (optional).

Clean vine shoots cuts.

page 70



## OPTIMUM harvesting head

A full range of harvesting heads adapted to all conditions.

High working speed and productivity.

Unmatched harvest and sorting quality.

page 52



## Pre-pruning with Visio

Power and speed,

Working speed: up to 8 km/h.

Pradines Blades: same quality as a pruning shears.

Automatic opening around posts thanks to the optical vision system (optional).

Cordon tracking (optional).

page 74



## Pruning with the TRP precision pruner

(Taille Rase de Précision precision pruner)

Reduces your costs and pruning time

- Working speed: up to 3 km/h.
- Up to 90% less time for pruning.
- Automatic cordon tracker by Visio.
- Unmatched operator comfort.
- Cutting quality.



## Spraying with EOLE 2

Spraying is done in minimum time

- Spray 3 to 6 rows in one run, on both narrow and wide vines.
- Optimize your spraying efficiency thanks to the carrier pneumatic or air jet nozzles.
- Tank volume of 2000 l.
- Flow Proportional to Forward Speed.
- Work laterally or from above.



## Wire lifting with PELLENC

Lift, trim, and trellis wires in a single run.

- Working speed: 4 to 5 km/h.
- An unbeatable tool for vines with dense canopies.
- A homogeneous, resistant canopy, and as good as manual work.
- A wide range of environmentally friendly ties.



## Leaf removing

Results identical to manual work—simple and fast

- Suits all vineyards.
- Reduced maintenance cost.
- Low fuel consumption, with reduced power requirements.
- High forward speed.
- Automatically follows the trellising with the sensors: protects berries and foliage.
- Automatic safety device activation.
- Cantilever and reduced weight.



## Spreading with TWIN BOX

Fast and accurate work.

- Multi-purpose: spread manure, compost, fertilizers, soil and pulverulent products.
- Box volume of 3.4 m<sup>3</sup>: less time on the road, and more time in the vineyard.

# MULTIFUNCTION FRONT ARM AND WEIGHT HOLDER



## Coupling/uncoupling without tools

A single point of connection of the hydraulic push-pulls and electrical outlets at shoulder height (same as the MULTIVITI chassis).

Automatic recognition of mounted tools.

Automatic reallocation of commands on the joystick and EASY TOUCH multifunction console for the connected tool.



## Safe

Road approval with Pellenc multifunction tools.

Good visibility in traffic and while working.

Optimum stability on gradients and slopes with the weight holder and low centre of gravity.

## Accessible to all

Automatic rotation speed adjustment of the tools coupled on the front arm according to the OPTIMUM carrier forward speed.

Numerical indications of arm length, visible from the cab.

**Optional: hydraulic arm length settings** of the arm from the cab.





# MULTIFUNCTIONAL TOOL HOLDER



## Economical

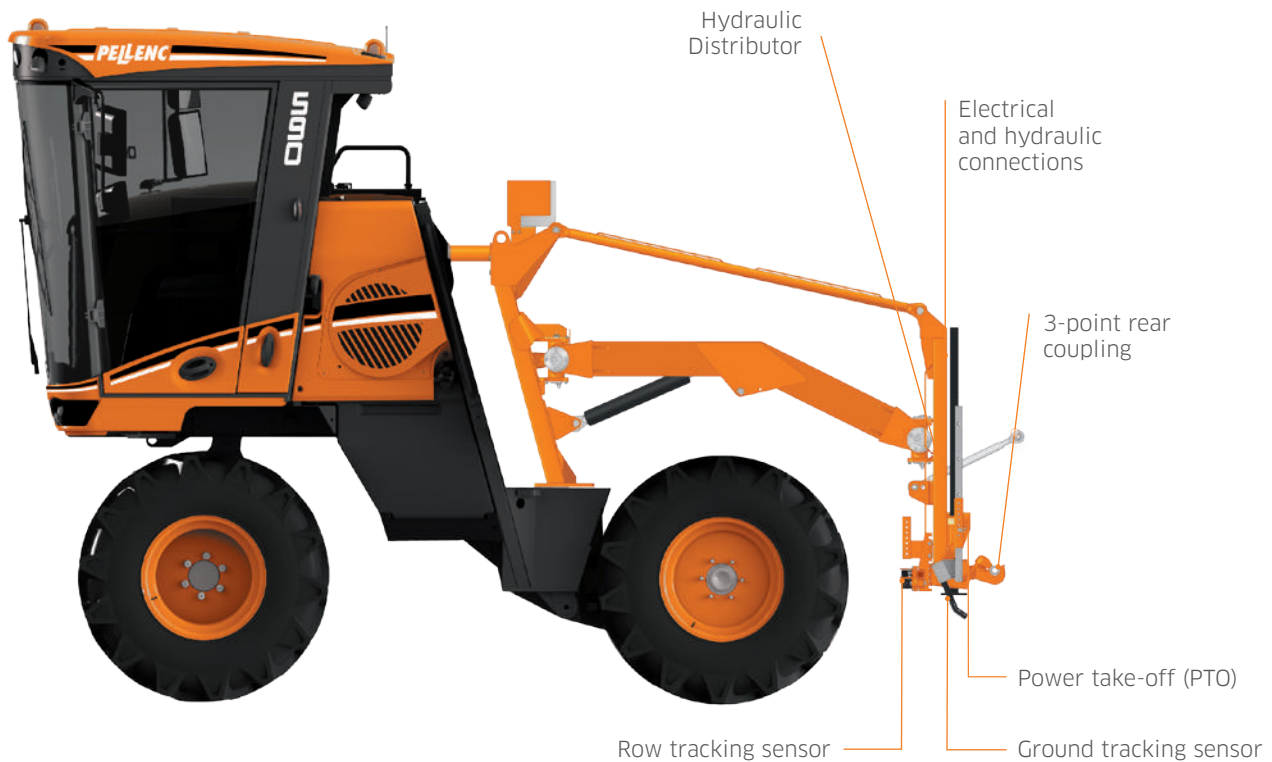
Works two rows simultaneously at high speed.  
Get two jobs done in one run.

## Technical specifications

- 3-point hitching on PELLENC carrier.
- 2 tool holder arms equipped with universal couplings.
- 3-point rear tractor-type couplings.
- Hydraulic spacing of arms in the rows.
- Arm height adjustment (1.10 m / 43 inch travel).
- Automatic centring of arms.
- Setting of rows spacing from the cab control panel.
- Ground tracking and auto-levelling.
- 2 hydraulic P.T.O.
- 3 dual-acting hydraulic distributors.

## Easy-to-use

- Adjustment of the position of the tools for automatic row entry.
- Automatic centring of the tools in the rows (sensors).
- Automation: ground tracking, slope correction and centring at the end of the row.



# THE 130 & 330 OVER-ROW STRADDLE TRACTORS

## THE NEW GENERATION OF OVER-ROW STRADDLE TRACTORS

The 130 and 330 over-row straddle tractors were specifically designed for narrow vineyards. Light and easy to drive, they can perform all kinds of vineyard work all year long.



*"I am very pleased with this new over-row straddle tractor, which is both modern and aesthetic. I was straight very impressed by the compactness and the steering angle, which gives it unmatched manoeuvrability. It is light and powerful. It is possible to do all kinds of work in the vineyard quickly and easily. The driving comfort is enhanced by the panoramic view you have in the cabin."*

Domaine CHARMET - Beaujolais - LE BREUIL



# PELLENC

## ADVANTAGES

### OPERATORS FRIENDLY

- All controls are easy to reach.
- Panoramic view.
- The cab is positioned above the rows to ensure good visibility.

### MULTIFUNCTIONAL

- An over-row straddle tractor for all works in the vineyard.
- Rapid tools coupling/uncoupling.
- Can work in combination (for example: trimmer + mower).
- Can carry out spraying, mowing, auger, top trimming, weeding, stripping, pre-pruning, and mulching work.
- Approved for on-road driving.

### ECO-FRIENDLY

- Low fuel consumption.
- Lightweight and compact tractor limits compaction.
- Fuel economy for a high level of autonomy and maximum profitability.

### MODULAR CHASSIS

- Wheel drive.
- Wheelbase of 2.30 m (130 model) or 2.50 m (330 Model) for manoeuvrability and maximum stability.
- Excellent weight/power ratio.
- Limits soil compaction.
- Variable widths for the vines: from 1 m to 1.50 m.



*Ergonomic and comfortable cabin*



*With the Multifunction carrier, you can do all kinds of work in the vineyard*

## REDUCE YOUR COSTS THANKS TO MULTIFUNCTION

Thanks to its quick and easy tools coupling and uncoupling system, **PELLENC over-row straddle tractors can perform all types of work in the vineyard** (spraying, mowing, augering, trimming, weeding, stripping, pre-pruning, and mulching work.) throughout the year.



## TOOLS THAT CAN BE COUPLED TO THE OVER-ROW STRADDLE TRACTORS



### Trimming

*Efficiency and a clean cut*

Reduced front overhang: speed in headland.

Optimised guidance for the hoses by the lifting chain.

Vertical lift of the cutting modules at the end of the row.

page 114



### Pre-pruning with Visio

*Power and speed, around the clock*

Working speed: up to 8 km/h.

Pradines Blades: same quality as the pruning shears.

Automatic opening around stakes thanks to the artificial vision system (optional).

page 74





## Spraying with "PERFECT AIR MAX" AND "BIO"

*Spraying is done in minimum time*

Spray 5 to 7 rows in one run.

Tank volume 500 l to 1,500 l.

Work laterally or from above.



## Mulching with the 330 over-row straddle tractor

*High efficiency and optimum fineness of grinding*

Above ground mulcher equipped with hydraulic transmission.

Ejection of branches through a calibrated grid.

Pick-up teeth in high strength steel.



## Mowing with the 330 over-row straddle tractor

*Central single mower for the maintenance of your vineyards*

Inter-row mowing in vineyards.

Equipped with retractable blades mounted on a blade holder.

Pendulum device for perfect flexibility.



## Augering work

*Two earth augers available depending on your carrier*

Adjustable working position for vineyards that are 0.90 m to 1.50 m.

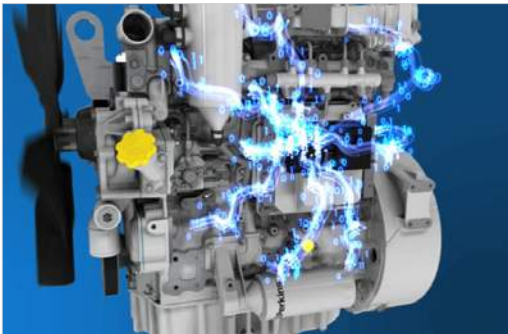
Two mounting options: at the front of the over-row carrier or on a lateral tool holder.

Rotation speed: 70 rpm.

# THE 130 & 330 OVER-ROW STRADDLE TRACTORS OFFER HIGH PERFORMANCE



## ECONOMICAL



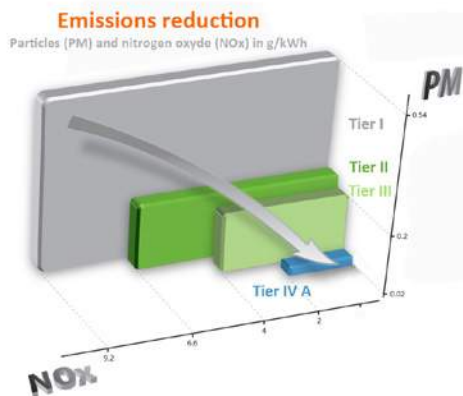
The new Tier IVi motors are economic and efficient.

Optimisation of every drop of fuel:

- 130 model tank: 60 l.
- 330 model tank: 2 x 110 l.
- Speed control / speed limiter (330).
- Intercooler: cools the air entering the engine (330).
- Maximum Torque at 1,600 rpm.

A full day's work with no refuelling.

## ENVIRONMENTALLY FRIENDLY



The simple and powerful PERKINS TIER IVi motor reduces emissions by over 50% compared with a Tier III engine (-90% reduction in particles and -50% reduction in NOx).

## HANDY AND ERGONOMIC



Low centre of gravity for gradients and slopes (40% slope crossing).  
 Easy driving on roads and paths.  
 Excellent weight/power ratio limits soil compaction.  
 60° steering angle (130 model) and 89° steering angle (330 model) for optimal manoeuvrability in headland.  
 PELLENC motor with 3 or 4 independent wheels depending on the model.  
 Smooth driving without skating in forward, reverse, and headland turning.

Instantly and continuously make adjustments from the "10 function" joystick.  
 Optimum cabin comfort thanks to the panoramic view, heating and air conditioning as well as the control panel and onboard computer.  
 The pneumatic anti-vibration seat with ergonomic armrests offers a healthy and relaxing seating position every time.

Quick and easy access without the need for tools on all maintenance areas, lubrication, and the different filters: air, fuel, hydraulic and motor oils.

## SAFETY



The fixed chassis ensures greater resistance of the tractor.  
 Lowered driving position for optimal visibility, proper safety and working comfort of the driver.  
 Anti-crush cab compliant with the NFU 02-52 standard.  
 Pressurised cab: class 4 EN 15695 standard.  
 Equipment: glass break hammer, fire extinguisher, dual position rear-view mirror, and two point seat belt.  
 Split, electric wide-angle side-view mirror, adjustable in width.  
 Excellent visibility both day and night 2 headlights (+ 2 rear lights on the 330).

### Selection guide

OVER-ROW TRACTOR	Main characteristics	Number of rows for the Pulve sprayer	Treatment amount / Max. quantity of product carried onboard	Soil work	Wheelbase	Steering angle
130 model	Lightness Low soil compaction	5 rows	500 l	-	2.30 m	60°
330 model	Complete versatility Large onboard tank capacity	7 rows	1,200 l or 1,500 l	Yes	2.50 m	89°







● Standard ○ Optional

Over-row straddle tractor	130	330
Under-beam height	1.65 m or 1.75 m	1.50 m or 1.65 m
Motor	Deutz 2.9 TD	Perkins 1204 - E
Number of cylinders	4 cylinder turbo	4 cylinder turbo
Displacement (L)	2.9	4.4
Nominal power	75 CV	150 CV
Fuel tank capacity (l)	65 litres	2 x110 litres
Maximum steering angle	60 degrees	89 degrees
Control panel	Dashboard and onboard computer	Dashboard and onboard computer
Multifunction control joystick	10-function joystick	11-function joystick
Adjustable steering column and seats	Adjustable comfort pneumatic seat	Adjustable comfort pneumatic seat
Air conditioned and heated cabin	●	●
Pressurised cabin: class 4 EN 15695 standard	●	●
Cruise control		●
Work lamps	2 front	2 front/2 rear
Standard front tires	300/70 R 20	280/80 R 18
Standard rear tires	300/70 R 20	12.4 R32
Max. slope	15 %	15 %
Max. slope crossing	40 %	40 %
Soil working possible		●
Treatment - quantity of product carried onboard (l)	500	1,200 or 1,500
Tractor Length - m	3.33 m	3.75 m
Tractor height - m	3.10 m	3.50 m
Min. row width - mm	1,800	3,000
Max. row width - mm	2,100	3,000



# HARVESTING





# HARVESTING MACHINES



## Self-propelled OPTIMUM

page 46

With a cleanliness rate of 99.82 % in the bins, the grapes can go straight into the tank.



## EASY TECH Cab

page 48

Comfortable, HIGH-TECH, safe, and ergonomic.



## Eco-efficient carrier

page 50

Thanks to the OPTIMUM carrier performance, save on input, fuel costs and respect environment.



## The best harvesting head

page 52

Let yourself be surprised! All adjustments are made immediately in the cab. The high performance harvesting head allows a gentle but effective shaking.



## Towed 8000

page 58

A harvesting machine that is available in three models to best meet individual needs.



## Towed 8030 & 8035

page 60

The Towed 8030 is a very competitive harvesting machine that focuses on the essentials.



## Towed 8050

page 61

The Towed 8050 is a harvesting machine that allows flexible shaking of the vines thanks to the EASY SMART system.



## Towed 8090

page 62

The harvesting machine that gives all vineyards access to the excellence of the Selectiv' Process On-Board for half the price of a self-propelled machine.

# THE SELF-PROPELLED OPTIMUM A NEW VISION OF VITICULTURE

With the advent of the OPTIMUM range, PELLENC puts innovation at the service of excellence and performance, for a new approach to viticulture reconciling harvest quality, respect for the environment, profitability, and ease of use. As such, each grower will find in the OPTIMUM range of harvesting machines and the multifunction carrier an equipment solution adapted to its needs and the characteristics of its vineyard and its exploitation.



*"The new OPTIMUM harvester has won me over. The comfort of the cab is impressive, the EASY TOUCH touch console and the multi-function joystick control make driving intuitive and enjoyable. The manoeuvrability is impressive in headlands. I easily turn at the end of the rows, even on my most uneven and narrow plots. The quality of the harvest is excellent, the flexible conveyor sorter works in perfect harmony with the Selectiv' Process On Board 2. Sorting the harvest starts on the conveyor, which allows me to work faster while maintaining unmatched harvest quality: 99.82% cleanliness in the bin.*

**Patrick EXPERT**  
Domaine de LATRAOU - Cravencères - FRANCE



# PELLENC

## ADVANTAGES

### EASY TECH CAB

- Spacious and safe ROPS 4 (Roll Over Protection Structure) cab.
- Comfort, safety, and driver-assistance.
- Ergonomic EASY TOUCH steering.
- Unmatched turning angle with EASY TURN (95°).
- Ultra-comfortable EASY DRIVE driving.
- Simple adjustment of harvesting with EASY SMART.

### ECO-FRIENDLY

- Reduction of fuel consumption of up to 43% per hectare.
- The carrier is the most compact on the market.
- Perkins TIER IVi motor that meet the latest environmental standards.
- Time and maintenance costs reduced.

### MULTIFUNCTIONAL

- The efficient, economical PELLENC solution to carry out all your work in the vineyard.
- Work several rows in a single run.
- Coupling and uncoupling simplified with EASY CONNECT hydraulic monocoupling.
- Change tools in just 3 minutes.
- Automatic engine management system with EASY POWER, adjusts automatically on the carrier and tools need.

### UNMATCHED HARVEST

- Foliage protected with the ACTIV' harvesting head.
- EASY SMART gentle and effective shaking.
- Harvest sorting as soon as the grapes are picked with the Flexible Sorter Conveyor.
- Up to 25% productivity.



*EASY TURN: unmatched manoeuvrability in headlands*



*Up to 25% productivity with the Optimum harvesting head*

## CAB: EASY TECH STEERING

### COMFORTABLE



#### Spacious cabin

- Easy access in one click with its retractable electrically operated ladder.
- Panoramic field of view up to 310°.
- Lowest cab position on the market.
- 2 12V plugs.
- Plenty of storage space and automatic air conditioning.

#### Ergonomic

- Multiple, customisable adjustments: seat, armrest, mirrors, EASY TOUCH control panel, steering column.
- The anti vibration pneumatic seat with ergonomic armrest and integrated EASY DRIVE joystick offer a healthy and relaxing position time after time.

#### Silent

- Optimum three times quieter.
- Cab mounted on silicone shockmounts that absorb vibrations.

### ACCESSIBLE TO ALL

#### New progressive advancement with EASY DRIVE

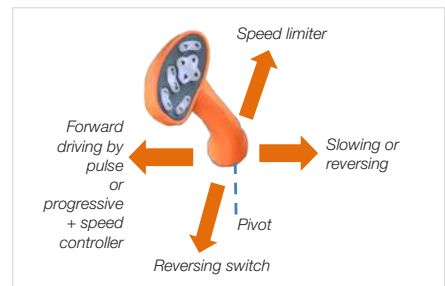
- Joystick on a fixed pivot: the driver does not move his arm, piloting is done by fingering pulse or continuous pressing.
- Instant reset and change of direction in a single movement. Ergonomic and practical with backlit keys.

#### EASY TOUCH Touchscreen control panel

- Adjust all of the Pellenc Multifunction tools from the cab. Intuitive control and settings pictograms without text: only one screen for managing all machine functions.
- With EASY SMART, adjust all the harvesting settings directly. EASY TOUCH also incorporates the guide lights for the rows, speed regulator, and acreage counter.

#### Driver-assistance

- Safety inclinometer for automatic tilt correction.
- Automatic centring of the ACTIV' head in the row with stop indicator in the cab.
- Ground detection with automatic height.
- Programmable height stops: position: work, headland, and road position.



EASY TOUCH control panel



ACTIV' head stop indicator

## SAFE



### Secure cab

The cab meets the anti-crush standards (ROPS 4: Roll Over Protection Structure).

Equipped with glass breaker hammer, fire extinguisher, dual position rear-view mirror, two point seat belt and presence sensors. Split, electric wide-angle side-view mirror, adjustable in width.

The pressurised cabin meets the EN 15695-1 and NF EN 15695-2 standards.



### 5 emergency shut-down buttons

- 1 on the armrest: tool/harvesting head shut-down.
- 1 on the steering column: full machine shut-down (including motor).
- 3 emergency shut-downs on the harvesting head: above each lower suction fan and on the cleaning remote control.
- 1 battery switch that is easily accessible.

### Automatic parking brake

The parking brake is automatically activated and deactivated when the machine stops and restarts.



### Visibility during the day and at night

12 standard lights with two directional lights + 2 optional led lights.

2 colour cameras with night vision and an independent screen inserted into the EASY TOUCH control panel.



## OPTIMUM CARRIER: ECO-PERFORMANCE



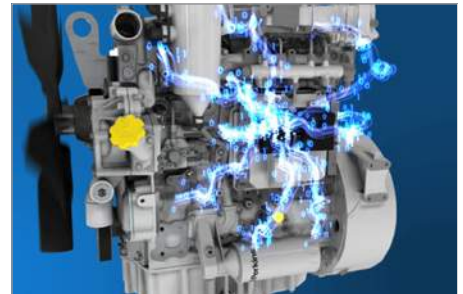
### ECONOMICAL

New Perkins Tier IVi motor is simple and efficient, providing up to 43% fuel saving per hectare!

Optimisation of every drop of fuel:

- EASY POWER: automatic engine speed control, based on the hydraulic requirements of the machine.
- Speed control / speed limiter.
- Intercooler: cools the air entering the engine.
- Maximum Torque at 1,600 rpm.

A working day without refuelling with an available tank volume of 190 l (500 and 600 model) or 260 l (700/800 model).

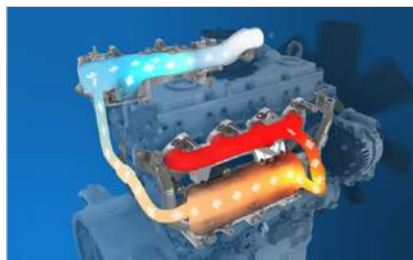


### ECO-FRIENDLY

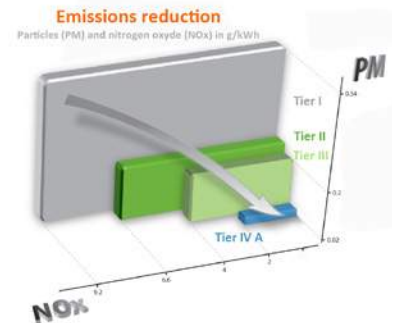
New TIER IVi motor 10 times less polluting than a Tier III engine! It significantly reduces emissions through the EGR valve that recycles exhaust gas and the Particle Filter that traps and destroys harmful particles.



Particle filter



EGR valve, exhaust gas recirculation



This simple and powerful PERKINS TIER IVi motor reduces emissions by over 50% compared with a Tier III engine (90% reduction in particles and 50% reduction in NOx).

The greenest: BIO hydraulic oil available as an option.

## EASY TO HANDLE



### The most compact carrier on the market!

Low centre of gravity for gradients and slopes (slope crossing of 28% to 32% depending on the model).

Easy travelling on roads and paths.

Multifunction power/weight ratio: similar to an in-row tractor with the advantage of wheels in the middle of the row.

### EASY TURN steering

Unmatched turning angle of 95°, for record turning in headlands: one row to the next one without manoeuvring.

The rear inside wheel reverses to reduce the space needed for manoeuvring in the headland.

### Continuous All-Wheel-Drive system

Pellenc motor with 4 independent wheels.

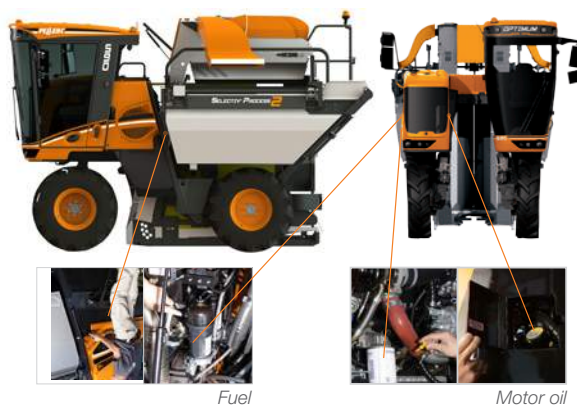
Ensures smooth driving without skating in forward, reverse, and headland driving.



## QUICK AND EASY MAINTENANCE

Quick access at shoulder height, without the need for tools on any maintenance areas, lubrication, and the different filters: air, fuel, and oils (hydraulic and motor). Removable lateral scale provided.

- **Reduced lubrication:** 1 x 20 h shaking and 1 x 200 h Selectiv' Process and carrier.
- **Reduced and easy maintenance on the flexible sorter conveyor:** all flexible elements of the Conveyor Sorter are replaceable and mounted on interchangeable Teflon® skids.
- **Semi-automatic tension without tools** for the Flexible Sorter Conveyor.
- **Continuous self-diagnosis** with warning signal in the cab.
- **Pre-diagnosis** for After Sales Service Department. The Pellenc Buscan technology ensures continuous communication between the EASY TOUCH control panel and the components.



## FAST AND EASY CLEANING\*

Numerous washing access points: removable conveyor covers, sorting tables, sorters and retractable suction fans.

Washing mode reduces washing time by 30%. It is activated from the cab and the remote control panel (on the cleaning platform). It allows for the housings, sorting tables, sorters and suction fans to be retracted.

Remote control on the harvesting head.



Remote control on the harvesting head.



Disengagement of the Sélectiv' Process On Board 2

\* (20 to 45 minutes depending on model).

## HARVESTING HEAD: AN UNMATCHED HARVEST

### EASY SMART: ALL YOUR ADJUSTMENTS FROM THE CAB

Adjust frequency, pinch, amplitude, destemming and other settings instantly and continuously from the EASY TOUCH control panel while working without stopping. New settings can be stored for quick switch from one block to another.

The EASY TOUCH control panel is in line with your field of vision. The visual control of the rows and settings are simultaneous.



Driving in the cab

### ACTIV' HEAD: AUTOMATIC ROW TRACKING

Two position sensors automatically align the harvesting head in the row.

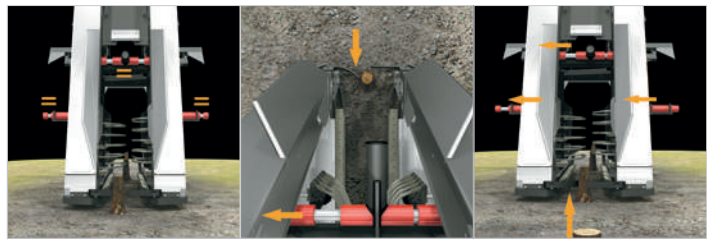
The ACTIV' system optimises the efficiency of shaking, without damaging the trellising and plants.

The movement of the harvesting head is proportional to the speed.

Improves working comfort.

Increases the life of wear parts.

Put up to 11 pairs of picking arms according to the trellising configurations.



ACTIV' reacts according to the travelling speed

### MACHINE AND VEGETATION ARE PROTECTED

The constant gap between shakers protects the plant, the berries remain intact.

The harvesting head suits all vines, regardless of the yield and variety. The large number of instant, in-cab settings makes it possible to work quickly and optimises harvest around posts.

New picking arm design with extended active area, new kinematic and unmatched softness.



PELLENC PATENT



### MAXIMUM SEALING

**The longest lower sealing on the market (up to 2.86 m) allows for high operating speed.**

The design of the OPTIMUM catcher trays ensures fast work without ground loss:

- Elastic joints: little strain on the vine.
- Open angle for collecting the berries.
- Front flaps and rear double doors: no berries on the ground.
- Long service life for the catcher trays.
- Suitable for young vines.



OPTIMUM harvesting head catcher tray



Optimum harvesting head panel tray



## FLEXIBLE CONVEYER SORTER

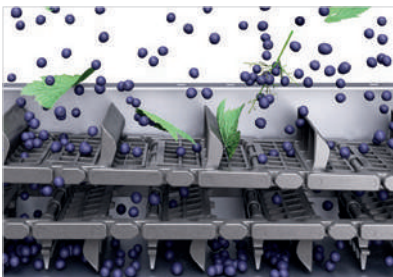
### No harvest loss

Thanks to its revolutionary PELLENC stainless steel open-work structure, berries and juices pass directly through the "Flexible Sorter Conveyor".

Only grape clusters and leaves pass under the lower suction fans, i.e., less than 30% of the harvest:

- Up to 5 % more harvest than a competitive machine.
- Low power requirements for suction fans.

The L-shaped design of the PELLENC Flexible Conveyor Sorter ensures removal of foreign body from the back and prevents jamming.



Flexible Sorter Conveyor

## OPTIONAL SORTER: OPTIMUM CLEANLINESS

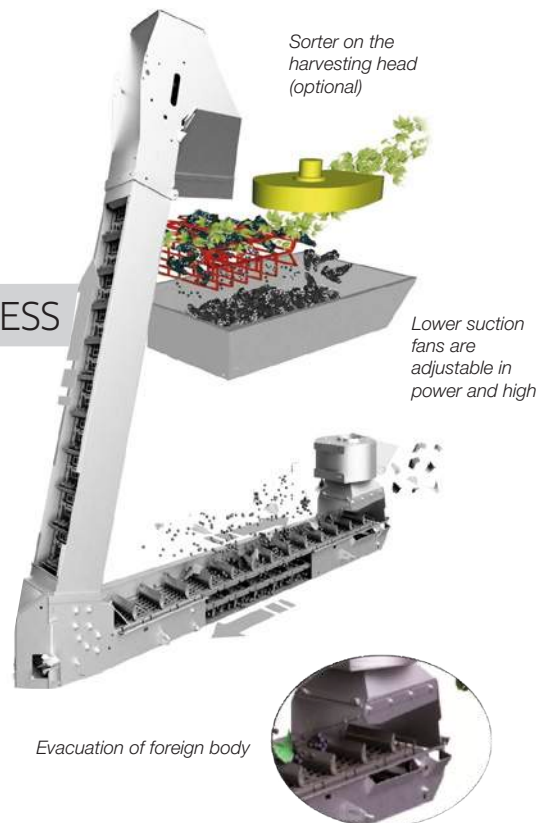


Optimal berries sorting, whole bunches and leaves at the conveyor output.

The clear-view belt of the sorter catches the harvest at the output of the Flexible Conveyor Sorter. Juice and berries pass directly into the bins.

The upper suction fans are hardly used, making them economical and quieter.

The upper suction fans (optional) have adjustable power and are retractable for washing



## OPTIMUM WORK FLOW RATE

Largest storage capacity in the market: stainless steel bins from 2,600 to 3,600 l depending on the model.

Low sided bins for narrow rows and bin level indicator.

Bin emptying height of up to 3 meters depending on the model.

Empty both bins simultaneously.



Bin emptying at 3 metres

## SELECTIV' PROCESS 2: YOUR HARVEST IS FREE OF MOG\*



\*MOG: material other than grapes

### 99.82% CLEAN HARVEST\*

#### Quality

95% of the leaf stems\* (bigger than 35 mm) eliminated!  
The stems are fully ejected with no fragmentation.  
A perfect harvest quality.

#### Cost effective

Destemming and sorting directly in the vineyard.  
Removing the storage, transport, waste treatment and washing equipment at the winery.

#### Efficiency

The bin capacity is preserved (sorting table above the bins).  
Working speed identical to a standard harvesting head (Pellenc or competitors)  
Lightest on-board destemming and sorting system on the market.

*\* Testing conducted by the IFV, Institut Français de la Vigne et du Vin (The French Vine and Wine Institute) in 2012 on the Syrah variety.*



**Already more than  
1,500 Selectiv' Process  
customers  
ALL OVER THE WORLD!**



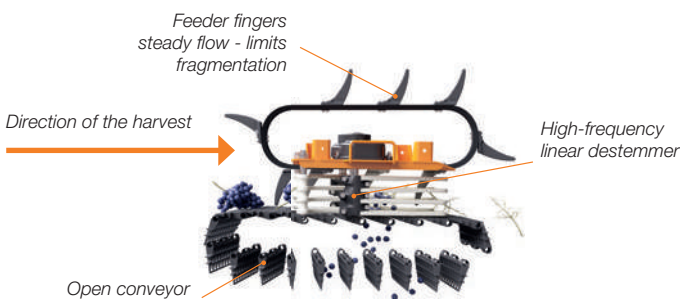
## 2 IN 1 SYSTEM

### Destemming

The high-frequency linear destemmer gently destems the berries and stems remain intact.

The frequency and release settings are adjustable in 1 click from the EASY TOUCH control panel.

The linear destemmer has an anti-jam sensor and five long fingers (new design) that reach speeds up to 50 tonnes per hectare at 4.5 km/h.



Linear five-finger destemmer



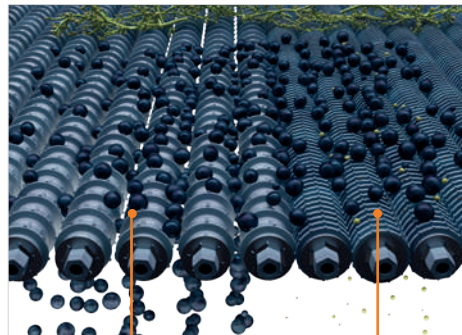
Synchronous drive destemmers

### Sorting

Thanks to the variable screen roller, the sorting table adapts to all grape varieties and all working conditions. Unrivalled sorting area: 2.50 m<sup>2</sup>.



Instant release of destemmers, upper suction fans, and sorting tables from the EASY TOUCH console.



The screen rollers allow the sorted berries to pass through and removes the leaf stems outside the sorting table

The solid notched roller feeders separate small waste and route petioles to the screen rollers

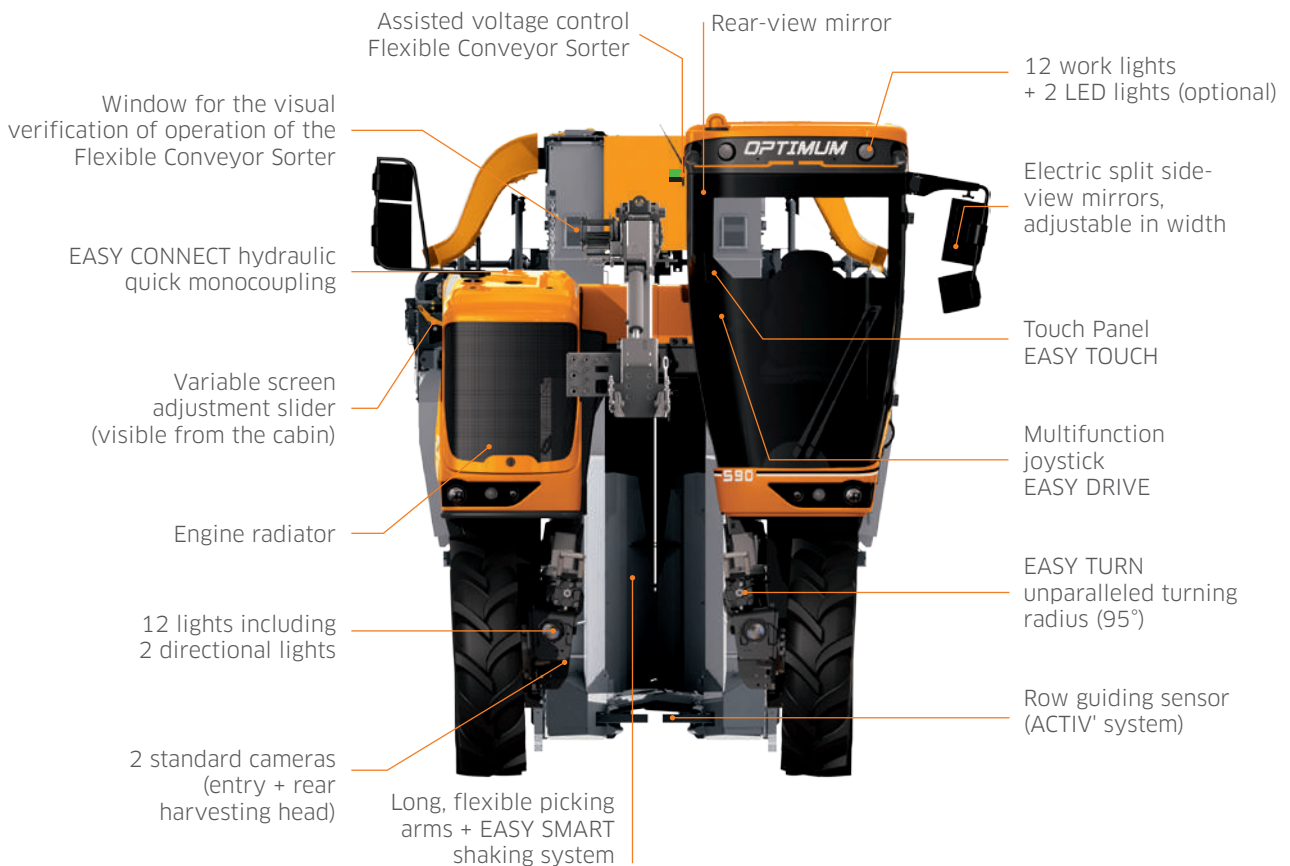


Adjusting the spacing of the screen rollers with the slider



Deflector and conveyor belt of the vibrating destemmer and sorter.





● Standard ○ Optional

Minimum width between your vines (m)	1.30	1.50	1.60	1.70
	30	30	30	30
	57		70	70
	57		70	70

OPTIMUM	530	550	670	690	750	890
Under canopy height - m	2 m			2.20 m		
Engine	PERKINS TIER IV i Turbo intercooler + particle filter					
Number of cylinders	4 cylinders					6 cylinders
Displacement - cc	4,400					6,600
Rated power - cc	150	150	150	150	150	175
"EASY POWER" automatic engine speed control	●	●	●	●	●	●
POCLAIN HD 450-bar hydrostatic transmission and dual displacement wheel motors	●	●	●	●	●	●
Continuous All-Wheel-Drive system	○	●	○	●	●	●
Fuel tank capacity - l	190	190	190	190	260	260
Maximum steering angle	95°	95°	95°	95°	95°	95°
Height positioning stops (road, work, headlands)	●	●	●	●	●	●
Cab with 310° panoramic view	●	●	●	●	●	●
12.4 "EASY TOUCH" Touchscreen control panel	●	●	●	●	●	●
"EASYDRIVE" Multifunction joystick control + armrest integrated in the pneumatic anti-vibration seat	●	●	●	●	●	●
Speed control/speed limiter	●	●	●	●	●	●
Electronic safety inclinometer	●	●	●	●	●	●
Global self-diagnostics	●	●	●	●	●	●
Acreage counter	●	●	●	●	●	●
Split, electric rear-view mirrors	●	●	●	●	●	●
Adjustable steering column and seat	●	●	●	●	●	●
Air-conditioned cabin	●	●	●	●	●	●
12 working lights, 2 front directional lights	●	●	●	●	●	●
2 LED lights for night time work	○	○	○	○	○	○
Standard front tires	340/80 R20	340/80 R20	400/70 R24	400/70 R24	400/70 R24	400/80 R24
Standard rear tires	320/85 R32	320/85 R24	400/80 R24	400/80 R24	460/70 R24	480/70 R28
Optional rear tire	400/80 R24	400/80 R24	320/85 R32 or 460/70 R24	320/85 R32 or 460/70 R24	400/80 R24 or 540/65 R24 MULTIBIB	540/65 R28 or 600/60 R28 TL XEOBIB
Biodegradable oil	○	○	○	○	○	○

CARRIER

Maximum gradient	25% SP2 30% non SP2		30% SP2 35% non SP2		25% SP2 30% non SP2		30% SP2 35% non SP2		25% SP2 30% non SP2		30% SP2 35% non SP2		
	M	M SP2	M	M SP2	L	L SP2	L	L SP2	XL	XL SP2	XL	XL SP2	XLE SP2
ACTIV' System + "EASY SMART" cab settings	●	●	●	●	●	●	●	●	●	●	●	●	●
Extremely rapid hydraulic and electrical coupling of the harvesting head with "EASY CONNECT"	●	●	●	●	●	●	●	●	●	●	●	●	●
Ground sensing	○	○	○	○	○	○	○	○	○	○	○	○	●
Number of pairs of standard shakers/max.	5/11	5/11	5/11	5/11	5/11	5/11	5/11	5/11	5/11	5/11	5/11	5/11	8/11
Stake detector	○	○	○	○	○	○	○	○	○	○	○	○	○
Stake damper	○	○	○	○	○	○	○	○	○	○	○	○	○
Flexible stainless steel conveyor sorter, modular and assisted voltage	●	●	●	●	●	●	●	●	●	●	●	●	●
2 adjustable (height and power) lower suction fans	●	●	●	●	●	●	●	●	●	●	●	●	●
2 adjustable (power) upper suction fans	-	○	-	○	-	○	-	○	-	○	-	○	●
Harvest sorter with upper suction fans	○	-	○	-	○	-	○	-	○	-	○	-	●
SELECTIV' PROCESS 2: harvest sorter, linear destemmer, sorting tables	-	●	-	●	-	●	-	●	-	●	-	●	●
Remote washing controls	○	●	○	●	○	●	○	●	○	●	○	●	●
Length of lower sealing - m	2.5	2.5	2.5	2.5	2.62	2.62	2.62	2.62	2.86	2.86	2.86	2.86	2.86
Max. bin emptying height - m	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3	3	3	3	-
Bin level indicator	○	○	○	○	○	○	○	○	○	○	○	○	○
2 Night Vision Cameras	●	●	●	●	●	●	●	●	●	●	●	●	●
Centralised greasing	●	●	●	●	●	●	●	●	●	●	●	●	●
Bin capacity - l	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,600	3,600	3,600	3,600	-
Emptying arm + Buffer bin - l	-	-	-	-	-	-	-	-	-	-	-	-	800
Low-sided bin capacity - L (optional)	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	3,200	3,200	3,200	3,200	-

Overall dimensions of the carrier + harvesting head L x H x W (m)						
Length - m	5.45	5.45	5.45	5.45	5.75	5.75
Height - m	3.46	3.46	3.46	3.46	3.66	3.66
Wheel width - m	2.10	2.10	2.45	2.45	2.70	2.76
Bin width - m	2.64	2.64	2.64	2.64	2.83	2.83
Low-sided bin width - m (optional)	2.28	2.28	2.28	2.28	2.47	2.47

PRODUCTS

HARVESTING

VINE GROWING

HARVESTING HEAD  
WINERY EQUIPMENT

FRUIT-GROWING

# TOWED 8000

## THE BEST TECHNOLOGY AT AN AFFORDABLE PRICE

The Towed 8000 incorporates the latest Pellenc innovations: shaking, conveying, sorting, and steering. It offers harvesting quality equivalent to a self-propelled machine with outstanding driving comfort.



*"We chose the Towed 8090 Selectiv' Process because it represents half the investment compared with a self-propelled investment. In use, this machine saves us 60% of fuel, which represents a saving of € 8,000 for the 120 hectares that we harvest each year. Similarly, the costs of maintenance are reduced by 80% compared with the self-propelled machine of the competitor brand we owned previously.*

**Jean Paul ALBERT**  
EARL Albert et Fils - Gaillac Region - CASTANET



# PELLENC

## ADVANTAGES

### EFFICIENT

- Continuous control working speed of up to 7 km/h (8050 and 8090).
- Total bin capacity of up to 3,000 l.
- Efficient in dense vegetation.
- High yield.
- Unmatched harvest quality.
- 99.82% cleanliness in the bin with Selectiv' Process.
- Optimum collection around stakes.
- Causes no damage to foliage (no shearing).

### PRACTICAL

- Minimum maintenance with practical access to the zones to be cleaned.
- All settings made in the cabin with EASY SMART with 10 different configurations (except 8030).
- Efficient self-diagnosis helps the After Sales Service department and eases maintenance (except 8030).
- Optimised for driving on the road.
- Bin emptying at 3 meters (8030 model).
- Easy headland turning with large offset angle.
- "Auto torque" servo motor (except 8030).

### COST EFFECTIVENESS

- 50% cheaper than a self-propelled harvester.
- Save on the cost of a destemmer and sorting table with the "Selectiv' Process On-Board" model.

### EASY HANDLING

- Auto-guidance in the rows.
- All settings made in the cabin (except 8030).
- Easy Smart System.
- Work on slopes of up to 32.5%.
- Suitable for all vineyards.



*Record handling in the headland*



*Easy and efficient harvesting*

# TOWED 8030 & 8035

## EFFICIENT HARVESTING ACCESSIBLE TO ALL

The towed harvesters 8030 and 8035 are very competitive and focus on the essentials: "efficient harvesting" with all the technology necessary for a quality result.



**The 8035 works on slopes of up to 30%**  
The hydrostatic transmission (Auto torque) automatically manages the wheel movement when climbing and descending.



### Simple piloting

With the ergonomic joystick, you can automatically and instantly set from the cab:

- shaking
- tilt correction (right, left)
- bin emptying
- drawbar steering



### Hydrostatic transmission (8035)

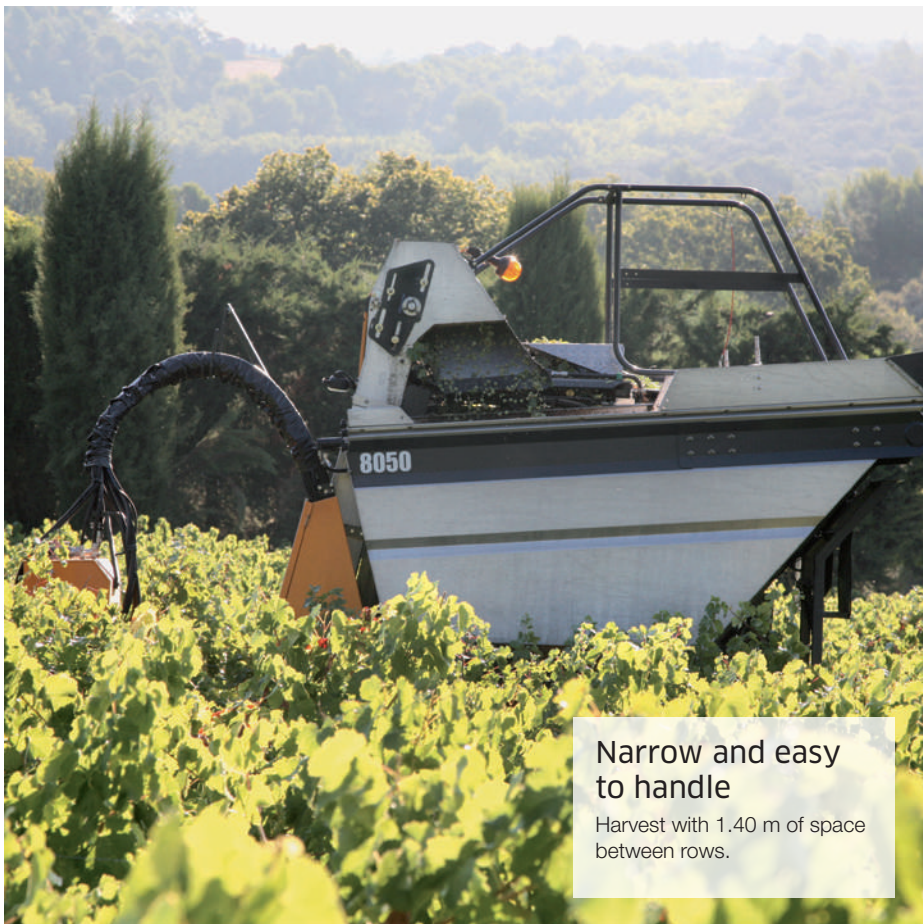
This transmission automatically manages the wheel movement when climbing and descending.



# TOWED 8050

## EASILY PILOT YOUR HARVESTING DIRECTLY FROM THE CAB

The Towed 8050 is equipped with a very flexible shaking system controlled by the EASY SMART system



**Narrow and easy to handle**  
Harvest with 1.40 m of space between rows.



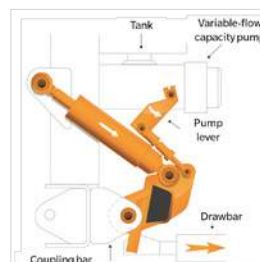
### EASY SMART system

Soft shaking and clean harvest around posts.  
3 instant adjustment settings from the cab (toe-in, frequency, and amplitude).  
10 configuration can be saved.



### Easy control

All settings are at hand with the Multifunction joystick and command display.  
Self-diagnostics and After Sales Service menus.



### Auto torque system

Propels the harvesting machine uphill and brakes automatically in the descents.  
This is made possible by a continuous synchronisation of the speed of the machine with that of the tractor, slaved to the drawbar traction force.



# 8090 SELECTIV' PROCESS

DESTEM AND SORT YOUR HARVEST,  
FREE OF MOG IT CAN GO DIRECTLY  
IN THE TANK



With a cleanliness rate of 99.82% in the bin, the harvest can go straight into the tank.  
Principle proven by over 1,500 users.



### Sorting table

100% of leaves are removed as well as 95% of whole petioles.  
The sorting table consists of a series of feeder rollers that distribute the berries on the sorting table, and aligns waste to evacuate it. The adjustable screen roller allow the berries to fall into in the bins intact.

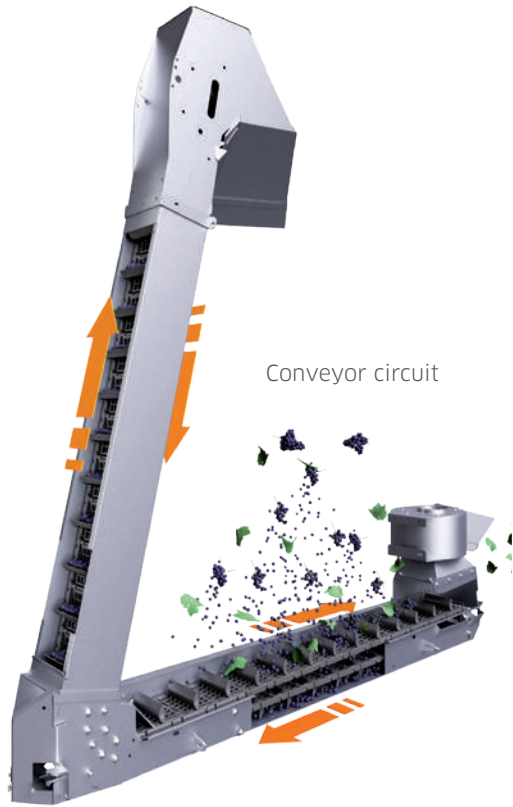


### Linear destemmers

Intact berries thanks to its high frequency linear destemmers. Once detached, the berries pass through the open work belt and land on the roller sorting table.

- 1** Conveyor grabbers  
Constant flow  
Limits fragmentation
- 2** Open conveyor
- 3** High-frequency linear berry separator

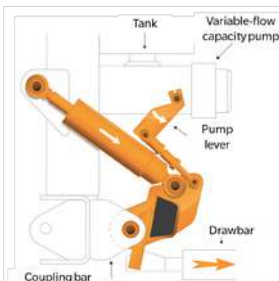
## REVOLUTIONARY CONVEYOR BELT



### L-shaped design

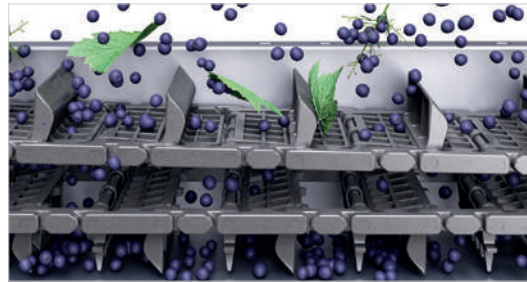
Conveyor open at the rear: transports the harvest without jamming or restarting and eliminates foreign bodies at the back.

No loss of juice, only 30% of the grapes pass under the suction fans, which are adjustable in height.



### Auto torque system

Propels the harvesting machine uphill and brakes automatically in the descents. This is made possible by a continuous synchronisation of the speed of the machine with that of the tractor, slaved to the drawbar traction force.



### Sorting quality

The sorting starts at the picking, thanks to the innovative flexible conveyor-sorter system.



### Easy to maintain

The modular belt with steel chains make it possible to quickly and easily change wear parts.



### Optimum harvest quality

99.82%\* rate of good berries in the bin.





### No loss on the ground

Efficiency and speed of harvesting with the longest lower sealing on the market (2.5 m).

- Catcher trays mounted on elastic joints:
- Limits the strain on the vine (open angle)
  - Increases the life of the plates
  - Directs the berries in the conveyors
  - Sealing guaranteed.



### Optimal capacity

The 8000 series has two bins that can hold up to 1,500 l each. Emptying can be performed simultaneously at up to 3 meters in height.



● Standard ○ Optional

TECHNICAL SPECIFICATIONS	MAV 8030	GH 8035	GH 8050	GH 8090
Harvesting head	Mechanical	Mechanical	EASY SMART	EASY SMART
Bin capacity (l)	2 x 1,500	2 x 1,500	2 x 1,500	2 x 1,500
Tractor power required	55 hp	55 hp	55 hp	70 HP
Auto-torque	-	●	●	●
Harvest sorter with 2 upper suction fans	-	-	○	-
"Selectiv' Process" high frequency linear destemmers with sorting tables	-	-	-	●
"Selectiv' Process" upper suction fans	-	-	-	○
Maximum gradient (tractor-dependent)	15%	30%	30%	25%
L x H x W (m)	4.76 x 3.01 x 2.55	4.76 x 3.01 x 2.55	4.76 x 3.01 x 2.55	4.76 x 3.38 x 2.55
Empty weight (kg)	3,050	3,300	3,440	4,100
Max. bin emptying height (m)	3.04	3.04	2.88	2.88
Minimum row width (m)	1.7	1.7	1.4	1.5
Multifunction joystick with control console	-	-	●	●
Multifunction control joystick	●	●	-	-
Acreage counter	-	-	●	●
Number of pairs of picking arms	5	5	5	5
Stroke, pinch and frequency adjustment	Mechanical	Mechanical	In-cabin	In-cabin
Bin screws	●	●	●	●
360/70R20 tires	-	-	●	-
340/70R20 tires	-	-	-	●
440/65R20 tyres	-	-	○	○
405/70R20 tires	-	-	○	○
Industrial tyres	385x65 R22.5	385x65 R22.5	-	-
Modular conveyors and stainless steel bins	●	●	●	●
Flexible Conveyor-Sorter	●	●	●	●
38-deflector bottom closing (2.5 m)	●	●	●	●
2 height adjustable lower suction fans	Mechanical adjustment	Mechanical adjustment	Position-locking handle adjustment	Position-locking handle adjustment
Conveyor safety locking + reverse	●	●	●	●
Hydrostatic pressure 350 bars	-	●	●	●
Independent hydraulic unit	●	●	●	●
Hydraulic level correction	-	●	●	●
Mechanical level correction	●	○	-	-
Sensor-controlled automatic steering	●	●	●	●
Electronic self-diagnostics	-	-	●	●
Chute magnet kit	○	○	○	○
Sorting magnet kit	○	○	○	○
Hydraulic safety brakes	-	●	○	●
Stake detection	-	●	○	○
Stake damper	○	○	○	○
Automatic ground tracking	-	-	○	●
2 x 1,000 l stainless steel bins	-	-	○	-
2 x 1,250 l stainless steel bins	-	-	○	○
Bin level indicators	-	-	○	●
Additional picking rods	○	○	○	○



# VINE GROWING





# THE **PELENC** RANGE OF PRODUCTS



Disco page 70  
The pre-pruner that lets you work more cost effectively.



Visio page 74  
Work quickly even in dense vegetation.



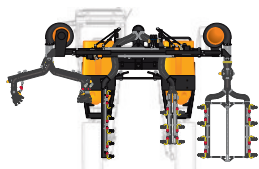
Precision Pruner page 78  
Up to 90 % less pruning time.



Vinion pruning shears page 82  
The quickest, lightest and most powerful.



Fixion tying machine page 86  
Record speed of execution.



Eole 2 page 90  
Localised spraying without drift in minimum time.



Wire lifter page 94  
Lift, trim, and trellis wires in a single run.



## Leaf remover

page 98

A quality leaf remover comparable with manual work.



## Twin Box spreader

page 102

Two-row spreading for fertilizers and soil additives.



## Cultivion soil cultivator

page 106

For tillage and weeding



## Panorama trimmer

page 110

Robust, fast, and with very low-maintenance.



## Multiviti trimmer

page 114

Robust, fast, low maintenance, and economical thanks to the multifunction chassis.



## Trimmer on over-row tool

page 118

Robust, fast, low maintenance, and economical thanks to the MULTIVITI over-row chassis.



## Two-row trimmer on a bogie

page 124

Quality top trimming for your vines thanks to the clean cuts of the rotating blades.

Trimmer with reciprocating cutter bars  
Trimmer with blades

# DISCO

## SIMPLE AND ECONOMICAL

Work more cost effectively with the DISCO pre-pruner. Its simplicity provides fast and efficient work, as well as low maintenance.



*"We have been using our DISCO pre-pruner for the past three seasons. Every year, we effortlessly pre-prune 90 hectares with it mounted on our medium power tractor. In use, its light weight allows us to work quickly in all our plots of vines, including the most uneven. Its small footprint associated with reduced overhang are key factors of its exemplary stability on slopes. Its simple design makes maintenance quick and easy, and offers clear visibility of the row being laboured. And such working comfort! Simple and effective, it achieves quality work regardless of the amount of wood in the row, and without extra wear —we didn't change any part during the time we worked the 270 hectares".*

**Alain BONNELLY**

Domaine Le Coulet Rouge, Ventoux region, ROUSSILLON - FRANCE



# PELLENC ADVANTAGES

## COST EFFECTIVENESS

- Working speed up to 5 km/h (3MPH) for optimum work, even in dense vegetation.
- Low hydraulic requirement (25 l/min).
- Multiviti coupling in 3 minutes.
- No sharpening of the discs required.
- No more removing wood.

## QUALITY

- Good grip of vine shoots and clean cutting thanks to the special shape of the discs.
- Cutting close to the cordon achieved through the precise adjustment of the distance between the two lower discs.
- Each stack of disks is adjustable relative to the other to optimise the cutting quality and improve the removal of tendrils.

## COMFORT

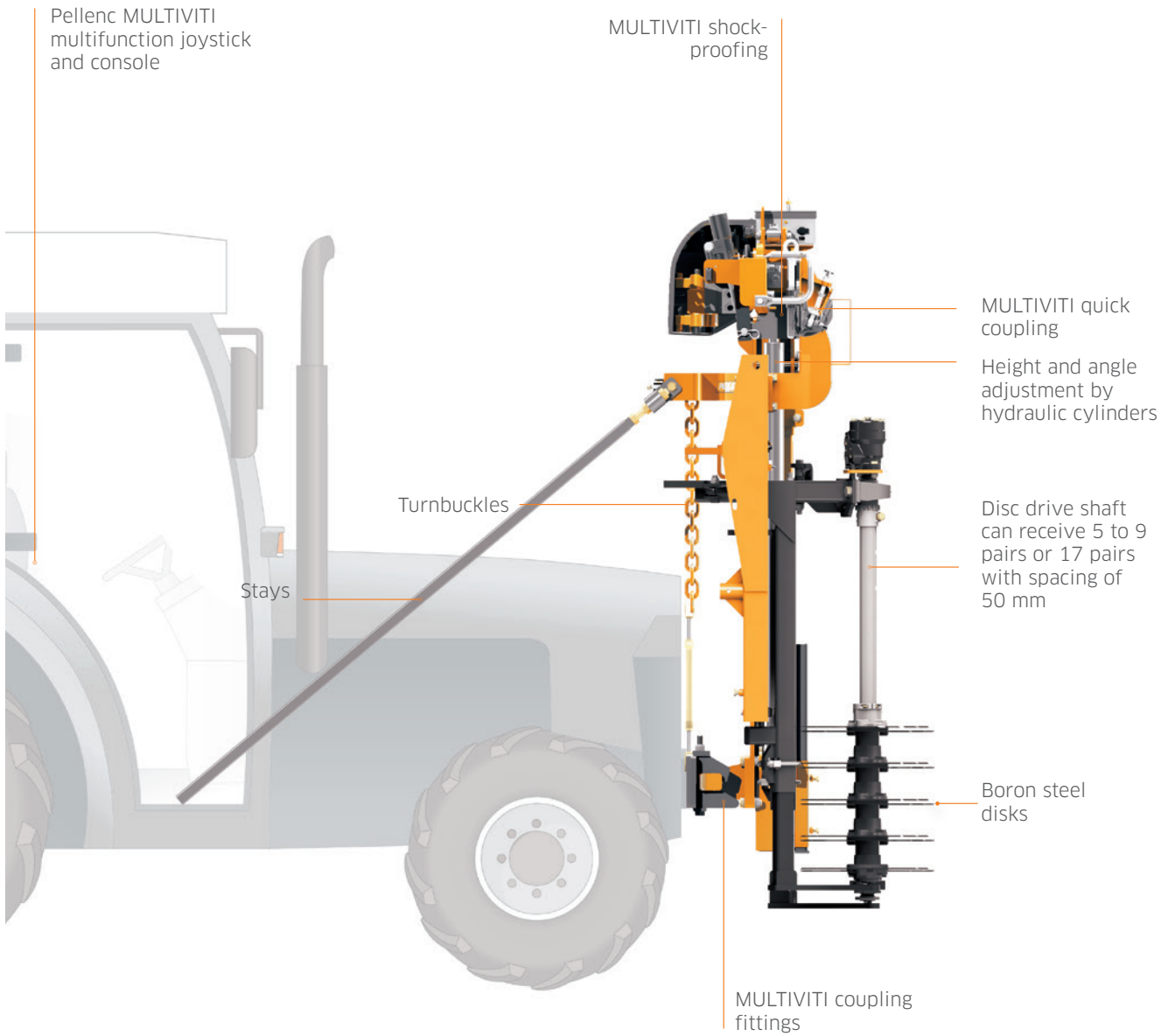
- Very quiet operation.
- Electric control of all functions.
- MULTIVITI joystick and ergonomic control panel.
- The machine vision control (optional) aids the driver and maximise work performance.



*DISCO PLD MULTIVITI at work*



*Precise adjustment of the discs for a clean cut*

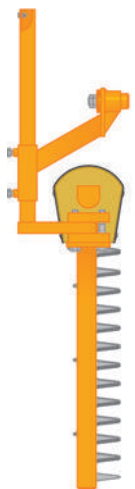


**3 MIN**  
for changing tools  
MULTIVITI coupling

### Boron steel disc

PELLENC boron steel discs have a long lifetime and do not need to be sharpened.





### Lateral cutter bars (optional)

Lateral cutter bars (60 cm high) cut hanging branches. This option saves substantial amounts of time when pruning.

### Automatic detection of posts and cordon tracking by machine vision

Working comfort of the driver: when working at night, in the rain, under the sun. Quality work without the stress.

● Standard ○ Optional



TECHNICAL SPECIFICATIONS	PCD 00	TLVP	MULTIVITI PCD	MULTIVITI PLD
Head with	Short arms	Long arms	Short arms	Long arms
Number of pairs of bevelled discs with 100 mm spacing	From 3 to 6	Up to 11	From 3 to 6	From 5 to 9
Number of pairs of bevelled discs with 50 mm spacing	From 6 to 11	Up to 21	From 6 to 11	From 10 to 17
Pairs of 60 cm long lateral cutting bars	-	•	-	•
Pairs of 45 cm diameter lateral discs	-	•	-	-
Coupling	On over-row straddle tractor	Multifunction arm on PELLENC carrier	MULTIVITI 20 or 40	MULTIVITI 20 or 40
Manual speed adjustment	•	on the console	on the console	on the console
Electric control of all functions	•	•	•	•
Height and angle settings controlled by hydraulic cylinders	-	Multifunction arm	MULTIVITI chassis	MULTIVITI chassis
Automatic Vision stake detection	•	•	•	•
Automatic cordon tracking with the vision system	-	•	-	•
Hydraulic tilting, for Lyre vines	-	-	•	•
Pair of opening wheels	○	-	•	•
Suspension strap slope/safety	•	-	MULTIVITI chassis	MULTIVITI chassis
Delivered on a pallet stand	•	•	•	•



# VISIO

## UNMATCHED PRE-PRUNING QUALITY



Work fast and efficiently, even in dense vegetation with the semi-automatic pre-pruner. Thanks to Visionic technology (optional), this pre-pruner works at high speed and provides cutting and mulching quality superior to disc models.



*"We use a PELLENC VISIO pre-pruner with the MULTIVITI chassis and we are completely satisfied. Mounting it on the MULTIVITI chassis is quick and easy, only 3 minutes are needed to couple and connect the electrical and hydraulic connections. We chose the VISIO pre-pruner to save time when removing the branches and to facilitate our search for staff to perform this operation and pruning. Our drivers particularly like the Visio automatic stake opening, which allows him to pre-cut at 5 km/h comfortably and safely. The impact cut-off safety system in case of shock is very effective and automatically resets the position of the head eliminates the need for our driver to get off the tractor, so the work flow rate is optimised! We also applaud the low maintenance requirements of the machine both during and after the pre-pruning campaign.*

**Ludovic LEHERLE**

SCEA Château QUEYRET POUILLAC - Bordeaux Region - SAINT ANTOINE DE QUEYRET

# PELENC

## ADVANTAGES

### COST EFFICIENCY

- The mulching discs eliminate splitting wood and reduce crushing of the soil.
- Quadrupling of the lifespan of the mulching discs: reversible and interchangeable left/right.
- Low hydraulic requirements: 25 to 45 l/min.

### QUALITY

- Cutting components require no sharpening.
- Pradine Blades with the same cutting quality as pruning shears.
- Best cleaning of the wires and does not damage stakes.

### EFFICIENT

- HD (Heavy Duty) for dense vegetation.
- MD (Medium Duty) for medium vegetation.
- Working speed of up to 8 km/h and up to 60% time saved on pruning.

### COMFORT

- Automatic opening around posts thanks to the artificial vision system (optional).
- You can prune efficiently both day and night.
- Quiet operation.

### SAFETY

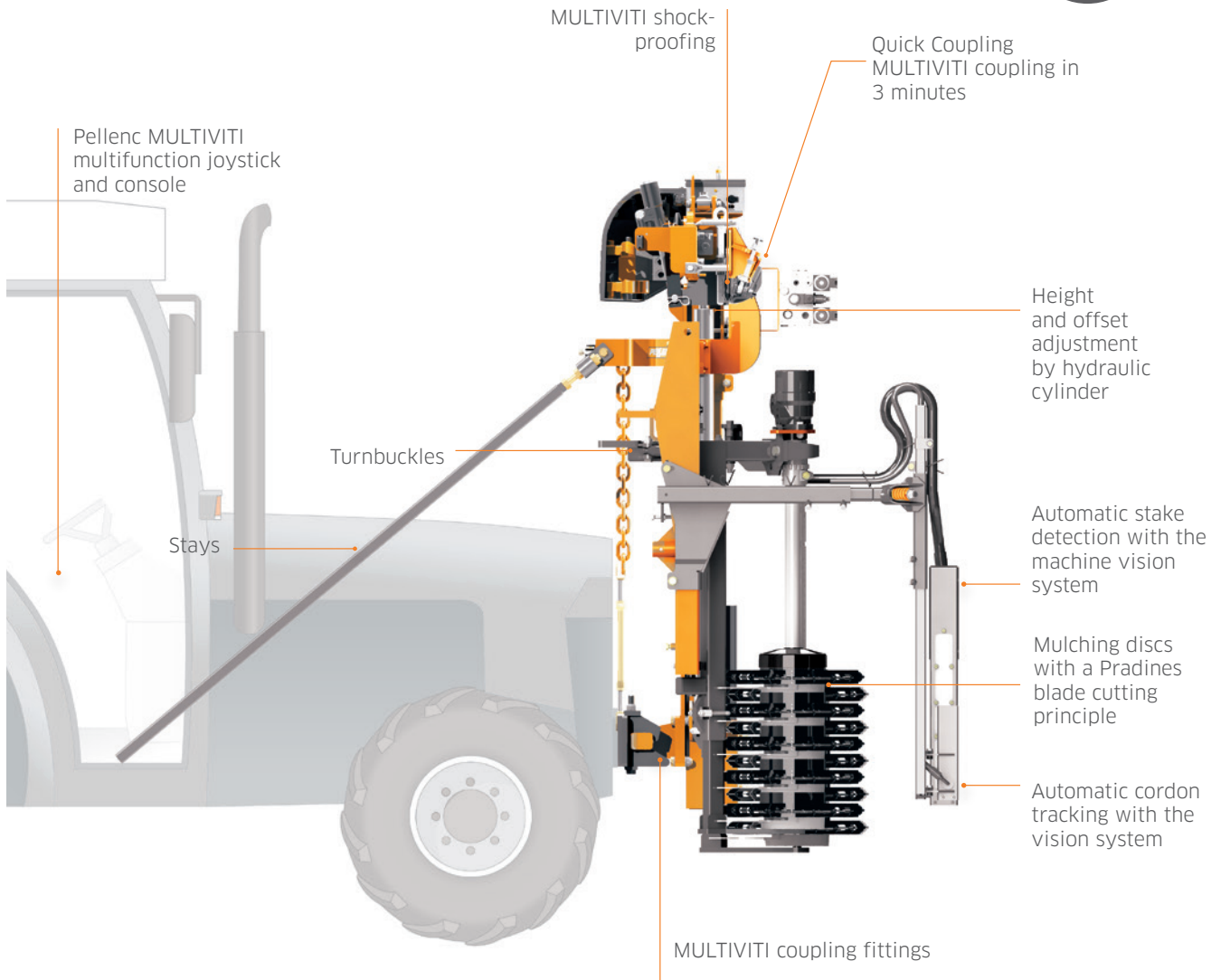
- Low rotational speed (80 rpm): no projections, no sawdust.



*Marguerite discs, a PELLENC innovation*



*Excellent visibility on the tool*

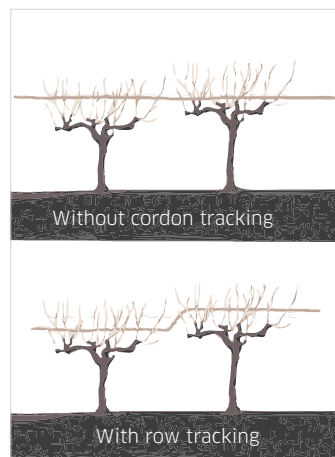
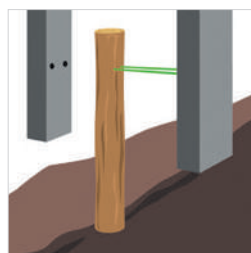
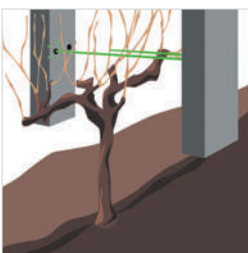


### Visio: machine vision system

Post detector. Does not damage stakes and vegetation. Forward speed up to 8 km/h.

Working comfort of the driver: when working at night, in the rain, under the sun.

Quality work without the stress.



### Runs alongside the cordon with the vision system

Quality of work higher than what can be achieved with manual operation.

Greater vine protection.

Exceptional operator comfort.

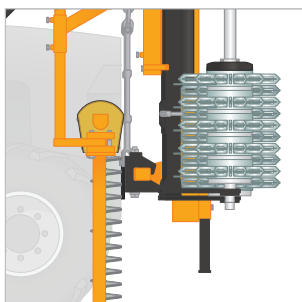
The result is similar to final pruning thanks to the work of the lower discs.





## The "Marguerite" discs

No more wood removal.  
No more collecting branches on the ground.  
Fine mulching.  
Long lifespan



## Lateral cutter bars available as an option

Lateral cutter bars (60 cm high) cut hanging branches without projections.

## Bottom and lateral discs

Get closer with the Precision pruner by combining Visio and lower and lateral discs

"Pruning shear" type cutting.  
Unrivalled cutting quality.



● Standard ○ Optional

TECHNICAL SPECIFICATIONS	MULTIVITI TLV MD	MULTIVITI TLV HD	TCV MULTIVITI	TCV 00	TLV 00 HD TURBO	TLVP
Head with	Long arms	Long arms	Short arms	Short arms	Long arms	Long arms
Number of pairs of mulching discs	5 to 9	7 to 9	3 to 6	3 to 6	7 to 9	up to 11
Pairs of 60 cm long lateral cutting bars	○	○	–	–	○	○
Pairs of 45 cm diameter lateral discs	–	○	–	–	○	○
Pair of lower discs	○	○	–	–	○	○
Coupling	Frontal MULTIVITI	Frontal MULTIVITI	Frontal MULTIVITI	Over-row tractor	Multifunction arm on Pellenc carrier	Multifunction arm on Pellenc carrier
Fast coupling fitting and stay-bars	●	●	●	–	–	–
Manual speed adjustment	From the console	From the console	From the console	●	From the console	From the console
Electric control of all functions	●	●	●	●	●	●
Height and angle settings controlled by hydraulic cylinders	●	●	●	–	Carrier	Carrier
Automatic Vision stake detection	○	○	○	○	–	○
Automatic cordon tracking with the vision system	○	○	○	○	–	○
Hydraulic tilting, for Lyre vines	○	○	○	–	–	–
Pair of opening wheels	○	○	○	○	○	–
Suspension strap slope/safety	MULTIVITI	MULTIVITI	MULTIVITI	○	PELLENC multi-function arm	PELLENC multi-function arm
Impact-proof cylinder	●	●	●	–	●	●
Delivered on a pallet stand	●	●	●	●	●	●
Independent hydraulic unit	○	○	○	○	–	–
Hydraulic output (l/min)	35	45	25	25	Carrier	Carrier

# PRECISION PRUNER

## REDUCE PRUNING COST AND SAVE TIME WITH THE VISION TECHNOLOGY



Up to at least 90% pruning time. Pellenc Visio cordon tracking technology: cut vine shoots in the perfect height, with precision.



*"The PELLENC TRP™ allows us to quickly prune the 130 hectares of the two estates, while significantly reducing costs and workforce management. We particularly appreciate the clean cutting quality when working with a forward speed of 3 to 3.5 km/h. We are able to cut 1.5 hectares in one and a half hours using a single tractor and driver. Hour after hour the efficiency of cordon tracking by optical vision is constant; pruning is conducted efficiently and without fatigue!"*

**Ludovic DUCLOUX and Christophe REBILLOU**  
Vignoble Buttignol Nelly and Vignoble Rebillou - Saint Félix de Fontcaude, France



# PELLENC

## ADVANTAGES

### COST EFFICIENCY

- Simultaneous pruning and pre-pruning is only possible on a PELLENC carrier.
- Reduces the pruning cost by up to 90%.
- More homogeneous vines, facilitates phytosanitary treatment.
- Low running costs.
- Intensive work, day and night.
- Hydr. Tractor: 35 l/min.

### QUALITY

- Does not damage posts and trellising.
- Close cordon pruning for a homogeneous result.
- Automatic cordon tracking ensures much higher work quality.
- Clean cut (rotation 4,000 rpm).
- Cut branches regardless of the diameter.

### EFFICIENT

- Working speed: up to 3 km/h.
- In all weather conditions.
- Is also working in big vegetation.
- Cordon tracking accuracy up to 5 mm.
- Wide opening, it is easy to enter the row.
- MULTIVITI joystick and control panel is user-friendly and ergonomic.

### COMFORT

- The automatic control makes the system operator friendly for long working hours.
- Automatic opening around posts.

### SAFETY

- The operator can immediately take control of the machine in case of an unexpected event.
- Impact-proof design.

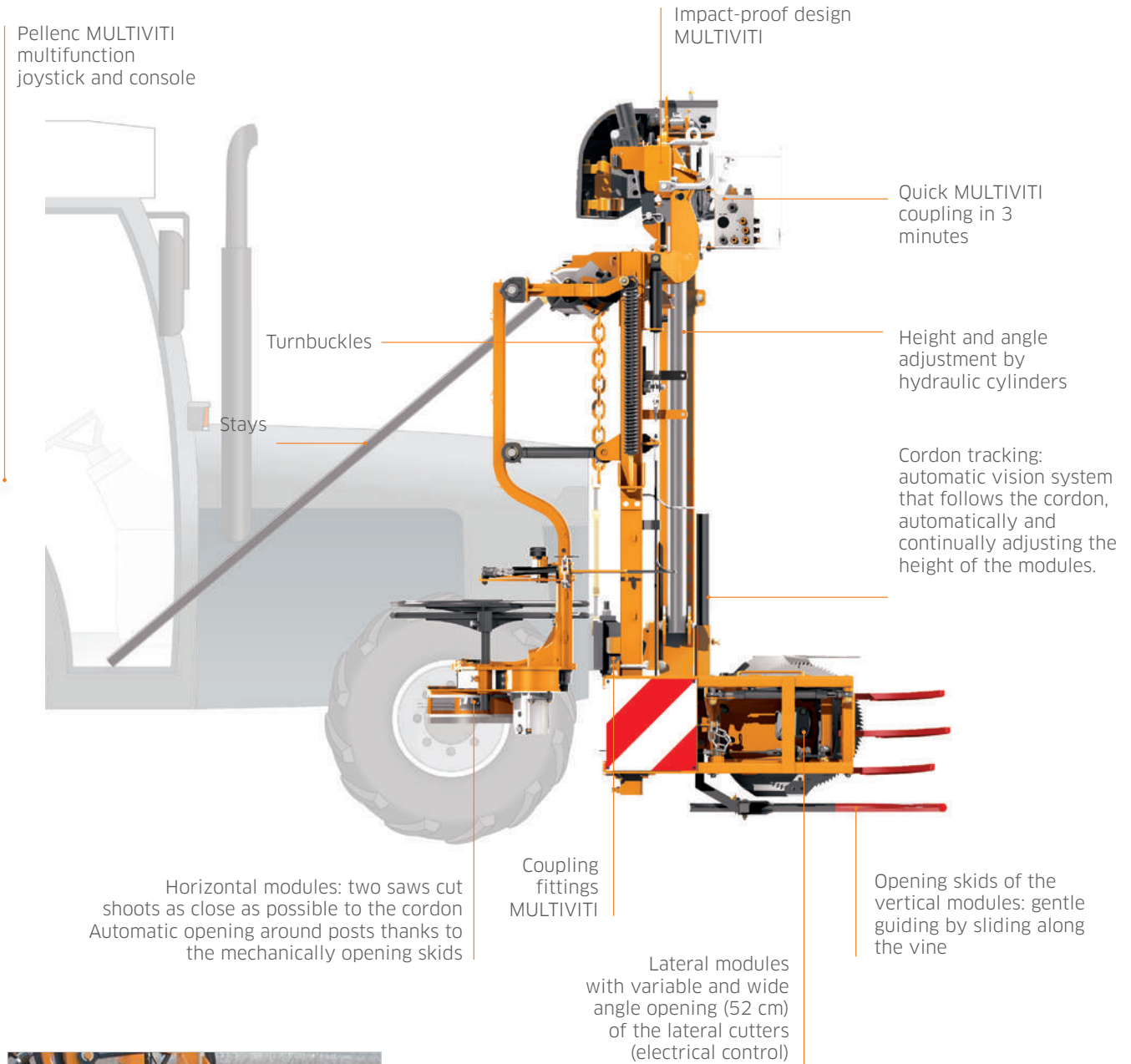


*Automatic cordon tracker with the vision system.*



*Ergonomic joystick for commanding all functions*





**Hydraulic engine**

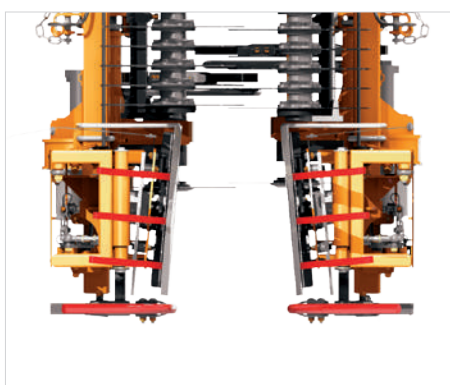
Hydraulic flow required: only 35 l/min.

- High-speed saws.
- Cutting quality.
- Prunes large diameter branches easily.
- Wear resistance.



### Follows automatically the cordon thanks to the vision system

- Better than the work done by hand.
- Greater vine protection.
- Exceptional operator comfort.



### Lateral module Precision pruner with variable angle

Large entrance opening of the row (52 cm) with hydraulic operation

- Manoeuvrability in short headlands.
- Cleaning efficiency.
- Lateral deflector fingers prevent injuries on the cordon.



● Standard ○ Optional

TECHNICAL SPECIFICATIONS	TRP/P	TL - TRP vision system/P	TRP MULTIVITI
Head with	-	Long arms	-
Number of pairs of bevelled discs	-	from 10 to 17 pairs	-
2 lateral hydraulic cutting modules 1 pair of 400 mm diameter steel saws	●	●	●
2 horizontal hydraulic cutting modules 1 pair of 350 mm diameter steel saws	●	●	●
Coupling	Multifunction arm on Pellenc carrier	Multifunction arm on Pellenc carrier	MULTIVITI chassis
Fast coupling fitting and stay-bars	-	-	●
Manual speed adjustment	From the console	From the console	From the console
Electric control of all functions	●	●	●
Height and angle settings controlled by hydraulic cylinders	-	-	●
Pair of opening skids of the horizontal cutting modules	●	●	●
Automatic cordon tracking with the vision system	●	●	●
Impact-proof cylinder	●	●	●
Delivered on a pallet stand	●	●	●
Pair of deflector fingers for vertical modules	●	●	●



# VINION

## THE PRUNING REVOLUTION

PELLENC has designed the most innovative vine pruning shear on the market. VINION is perfect for vine growers seeking lightness, ergonomics, ease of use and precision—it is a revolution in high technology. The VINION pruning shear was designed to fulfil all the expectations and can be used with the light and compact 150 pocket battery, as well as with the 250 battery, which makes it possible to connect two PELLENC tools at the same time for alternating work.



*"The Vinion pruning shear has a small diameter. It is easy to grip and very light. The pruning power is equivalent to the Lixion, which is very good. It is precise and very practical. I appreciate the lightness of the battery. You go into the vineyard, with nothing to carry—it looks like we just have manual shear. There is no longer the weight of the battery on your back. This is total freedom."*

**MR. and MRS JAUBERT**  
Vine growers in Cucuron



# PELLENC ADVANTAGES

## PROFESSIONAL

- PELLENC-PRADINES cutting head.
- High performance motor: 92%.
- Precise management of the position of the blade.
- A compact pruner, that is handy and suitable for all hand sizes.

## PROFITABLE

- The less expensive Professional pruner on the market.
- Adapts to your pruning habits thanks to different cutting modes.

## LIGHTWEIGHT

- The lightest pruning shears on the market: 670g.
- A concentrate of power for a full pruning day:
  - 845g for the 150 battery,
  - 1,680g for the 250 battery.

## INNOVATIVE

- Optical trigger for natural control of the half-opening.
- The blade can be removed without tools.
- Alternation of work using the dual connector on the 250 battery.



SITEVI  
2015  
SILVER MEDAL



*PELLENC-PRADINES cutting head*



*VINION pruning shear with the compact and light 150 pocket battery*

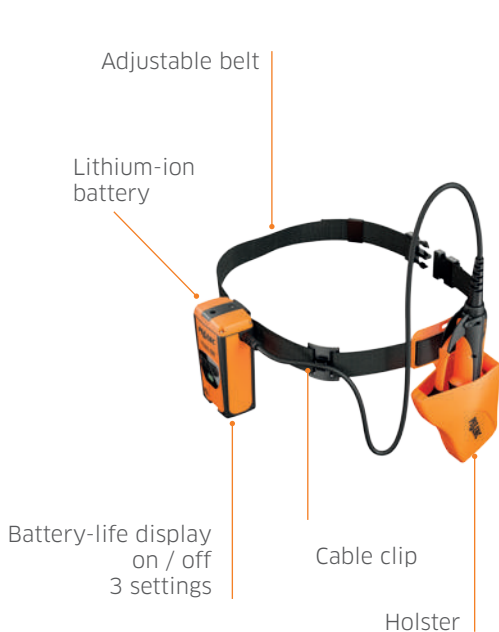


*Optical trigger*



**150 BATTERY**  
Lightweight and compact

**250 BATTERY**  
Extra comfortable harness

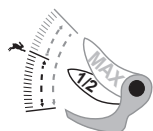


# OFFERS SUITED TO YOUR NEEDS



\*Average battery-life observed

## 4 OPERATING MODES



### PERFORMANCE

Progressive fast with half-opening



### COMFORT

Progressive with half opening



### ON-OFF

Fast with half-opening



### PROGRESSIVE\*

Fast without half opening

\*only with the 250 battery

CHARACTERISTICS OF THE PRUNING SHEARS	VINION
Blade opening (mm)	57
Cutting diameter (mm)	35
Weight of the shears (g)	670
Motor speed (rpm)	21,000
Length (mm)	260
Ovalised handle dimensions (h x l) (mm)	41 x 36
Optical trigger	●
Standby	●
Blade change without tools	●
Engine cooling system	●
Compatible batteries	150/250

● Standard equipment

CHARACTERISTICS OF THE BATTERY	150	250
Weight (g)	845	1,680
Maximum power (w)	865	1,730
Average lifetime - (cycles)	800	1,000
Carrying	Belt	Harness
Average Battery-life - Vinion	9 h*	15 h*
Average Battery-life - VINION + M12 chainsaw	-	12 h*
Multi tools mode	-	●
Management of usage modes	●	●
Operating mode	●	●
Full charge	9 h	5 h

● Standard equipment  
- Not available

\*depending on the storage/charging/usage conditions



## FIXION

# THE MOST COST EFFECTIVE TYING MACHINE IN THE WORLD

The PELLENC tying machine simplifies the work thanks to its fast tying capabilities: up to 12,000 ties per day with no effort. It makes it possible to reliably and quickly carry out a tedious job and often backbreaking work.



*"Since I started using the Fixion tying machine, attaching the vines has become quick and easy. Before, this work was difficult and often exhausting. The PELLENC tie is excellent, very strong and simple to attach. With three reels of ties and a single battery charge, I can tie vines for an entire day".*

**Alberto TEBALDI**  
Vine Grower - ITALY

# PELENC

## ADVANTAGES

### COST EFFICIENCY

- 40 % more savings than manually.
- Accelerates tying: up to 30 ties per minute.

### QUALITY

- A range of 5 original PELENC ties versatility, to respond all needs.
- Ties branches without squeezing them (up to 25 mm diameter).

### ERGONOMICS

- A lightweight tool, only 900 grams.
- Manoeuvrability and easy handling.
- Can be used in the left or right hand.

### EFFICIENT

- Simplified work: just fold, press and it's tied.
- The Battery-life allows 12,000 ties, i.e. one day's work.

### ECO-FRIENDLY

- Paper ties that are biodegradable.



**SITEVI**  
GOLD MEDAL



*The battery casing and reel for the PELENC tie*



*More than 1,500 ties per reel*





# A RANGE OF 5 PELLENC TIES

Original PELLENC ties are designed, tested and manufactured to meet the operational requirements of FIXION tying machines\*\*.



## Standard Tie

Starts to disintegrate after 10 to 12 months of use according to climatic conditions, load, and quality of the trellising wire.

0.44 mm steel wire

Average tie strength = 14 kg\*



## Biodegradable Tie

Starts to disintegrate after 8 to 10 months depending on use. The photodegradable additive accelerates breakdown of the outer layer which is conducive to attachment.

0.44 mm steel wire

Average tie strength = 14 kg\*



## Stainless-steel tie

Slow disintegration. Use for cordon system vines and the installation of irrigation pipes.

0.44 mm stainless steel wire

Average tie strength = 14 kg\*



## 0.36 Paper Tie

Starts to disintegrate after 6 to 9 months depending on use. The paper retains moisture, which is conducive to breakdown of the tie.

0.36 mm steel wire

Average tie strength = 9 kg\*



## Paper Tie

Starts to disintegrate after 6 to 9 months depending on use. The paper retains moisture, which is conducive to breakdown of the tie.

0.44 mm steel wire

Average tie strength = 14 kg\*

\* new tie in optimum application

\*\* Ties that are not approved by PELLENC SA may cause the device to malfunction and lose its warranty

● Standard equipment

TECHNICAL CHARACTERISTICS	FIXION
Weight - g	900
Battery weight - kg	2
Maximum tying diameter - mm	25
Length of the reel - m	200
Ties per reel - approximate	1,550
Noise level (L <sub>PA</sub> )* - dB(A)	≤ 70
Guaranteed noise level (L <sub>WA</sub> )* - dB(A)	≤ 81
Vibration level (a <sub>v</sub> )** - m/s <sup>2</sup>	≤ 2.5
Compatibility of PELLENC ties	●
Battery specific to FIXION	●
Carrying case	●
Battery-life***	Up to 12,000 ties

\* Values of acoustic measures according to the Directive EN 60745-1: 2009 + A11: 2010 – uncertainty according to ISO4871 = 3dB

\*\* Vibration emission values according to EN60745-1: 2009 + A11: 2010 – uncertainty = 1.5m/s<sup>2</sup>

\*\*\* For information: the times were observed in actual working time, without taking breaks into consideration. Battery-life is influenced by the nature of the work.

# EOLE 2

## ACCURATE AND CONTROLLED SPRAYING WITH A SINGLE "CLICK"

On narrow or wide vines, treat 3 to 6 rows in one run.  
Control your treatments with the help of pneumatic and air jet sprayers and take advantage of the EOLE 2 automated systems.



*"We were satisfied with our first PELLENC sprayer, so we renewed our equipment in 2009 and bought the EOLE sprayer. Using a carrier mounted sprayer allows us to benefit from its stability, both for cabin comfort and for stability of the ramps in the row. We treat four full rows per run. Ground tracking by ultrasound ensures the optimal position of the sprayer on sloped and uneven ground. The constant distance between the sprayer and the canopy guarantees us a constant and very satisfactory spraying quality.*

**Christophe DELARGE**  
Château Eugénie - Cahors Region, ALBAS - FRANCE



# PELLENC

## ADVANTAGES

### COST EFFICIENCY

- 3 turbines: economic performance.
- Limited drift on the ground and in the atmosphere.
- Adjustable and closable nozzles according to the vigor of the vines, without changing the hectare flow rate.
- Up to 30% fuel savings (spray 3, 4 or 6 rows at a time).

### QUALITY

- Precise positioning of treatment on the plant canopy.
- Automatic ultrasound ground tracking (slope correction up to 30%).  
The turbines are positioned above the rows and ensure a better product distribution.
- Optimum micronisation with pneumatic spray.
- Drift reduced with air-assisted spray.
- Powerful agitation by hydrojets, provides homogeneous mix in the tank with all types of products.
- Pump, 96 l/min at 20 bars .

### EASE OF USE

- Extremely easy to handle with just one click (automatic opening and closing of the bars).
- Plantation width setting from the cab control panel.
- Tank level visible from the cab: digital display.

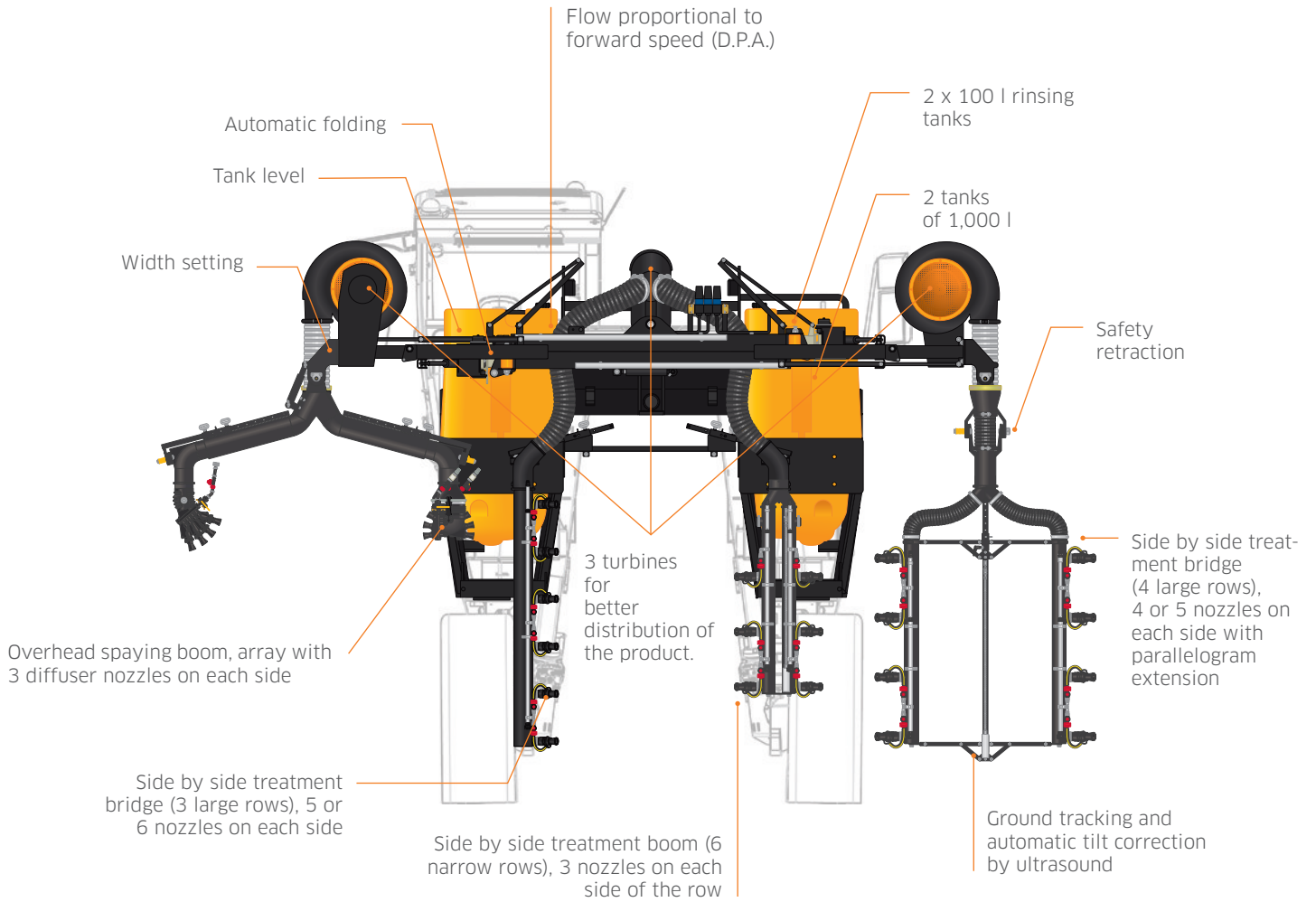
### ECO-FRIENDLY

- Thanks to the rinse circuit, you significantly reduce your effluents.
- PELLENC carrier with wheels centred in the rows ensures the longevity of the vineyards.
- Limited drift.
- Washing of the tanks with rotary nozzles (optional).
- Up to 30% less fuel consumption.
- The flow-rate in proportion to forward speed function maintains the programmed doses.
- Preserves the root system (wheels centred on the row).















*Easy driving in the rows and headland*





## Selection guide

Planting width	Number of rows sprayed per run	Sprayer EOLE 2	Types of nozzle available according to the height of the vegetation to be treated				
			1.2 m	1.60 m	1.90 m	2.1 m	Overhead spraying for goblet trained vines
1.3 to 2 m	4	4 RE		4 double nozzles 	5 double airblast nozzles 		8 arrays, 3 nozzles 
1.3 to 1.9 m	6	6 RE	3 double nozzles 	3 or 4 double airblast nozzles 			12 arrays, 3 nozzles 
1.75 to 3.60 m	3	3 RL			5 single nozzles 	6 single nozzles 	6 arrays, 4 nozzles 
1.75 to 3 m	4	4 RL		4 double nozzles 	5 double airblast nozzles 		8 arrays, 4 nozzles 



## Pneumatic or airblast

The pneumatic system allows for optimum micronisation. The engine speed control also allows you to save fuel, even in pneumatic mode.

The airblast system allows for limited drift and up to 30 % of diesel saved.



## Flow control

Easy-to-use cruise control. The Flow-rate Proportional to Forward speed function continuously maintains the programmed spraying concentration, regardless of the working conditions. Tuning parameters are displayed on the Dickey John unit.



## Unfolding and folding in one click

Folding / unfolding control with automatic width row spacing adjustment.

Row by row cut-off on all models, and outer half-rows on 4-row models from the cockpit.



## Ground tracking

The spraying boom with ultrasound sensor follows the slope of the land and corrects the gradient up to 30%.

● Standard ○ Optional



TECHNICAL SPECIFICATIONS	Eole 4RE	Eole 6RE	Eole 3RL	Eole 4RL
Tank capacity (l)	2 x1,000	2 x1,000	2 x1,000	2 x1,000
Rinsing tank capacity (l)	2 x100	2 x100	2 x100	2 x100
Number of rows sprayed per run	4	6	3	4
Plantation width (m)	1.3 to 2	1.3 to 1.9	1.75 to 3.60	1.75 to 3
Types of nozzles available according to the height of the vegetation to be treated	1.60 m, 4 double nozzles	1.20 m, 3 double nozzles	1.90 m 5 single nozzles	1.60 m, 4 double nozzles
Types of nozzles available according to the height of the vegetation to be treated	1.90 m 5 double airblast nozzles	1.60 m 4 double airblast nozzles	2.1 m, 6 single nozzles	1.90 m 5 double airblast nozzles
Type of nozzle available depending on the height of vegetation to be treated (arrays reserved for the treatment of goblet trained vines)	Overhead, 8 arrays, 4 nozzles	Overhead, 12 arrays, 3 nozzles	Overhead, 6 arrays, 4 nozzles	Overhead, 8 arrays, 4 nozzles
Solenoid valve spray cut-off (row by row), controlled from the cabin	●	●	●	●
Outer half-row cut-off	●	—	—	●
Manual cut-off of each nozzle	●	●	●	●
Automatic folding	●	●	●	●
Automatic ground tracking	●	●	●	●
Tank level indicator with digital display	●	●	●	●
Flow Rate Proportional to Forward Speed	○	○	○	○
Tank cleaning with rotating nozzles	○	○	○	○

# WIRE LIFTING MACHINE

## LIFT, TRELLIS, AND TOP IN A SINGLE RUN



Perform three operations in one run, with a single tool– it is possible with the Pellenc trellising machine! Your vines have an even canopy, grape bunches are better exposed to spray treatments. Lifting the leaves improves photosynthesis, ensuring optimal maturity of the grapes.



*"We are currently using our third Pellenc lifter. After two tractor mounted models, we chose to mount the third one on our 8490 carrier, which we use for pre-pruning, lifting, soil cultivation, and harvesting. This arrangement allows us to work faster and optimise the amortisation of the lifter and the carrier. A practical detail that we appreciate is the two upper topping discs that make it possible to cut the top and lift in a single run, without affecting the work speed.*

**Jean-François ROUBAUD**

Château Nestuby - Provence Region - Cotignac, FRANCE



# PELENC ADVANTAGES

## COST EFFICIENCY

- Three operations at once: lifting, topping and tying.
- Working speed: 4 to 5 km/h, even in dense vegetation, or 1h/ha (in 2.5 m).

## QUALITY

- The operator controls the positioning of the clips.
- Formation of an even, wind-resistant canopy.

## EASE OF USE

- Very quiet tool.
- Low hydraulic need: 25 l/min.
- Excellent handling—installed on the trellis in one click (automatically picks up the pair of lifting wires at the beginning of the row).
- Use at different stages of growth.
- Several types of lifting wires can be used: steel and nylon.

## ECO-FRIENDLY

- PELLENC clips are made from bio-degradable and food safe material.
- Carry out three operations all at once: limit CO<sub>2</sub> emissions and preserves the root system.



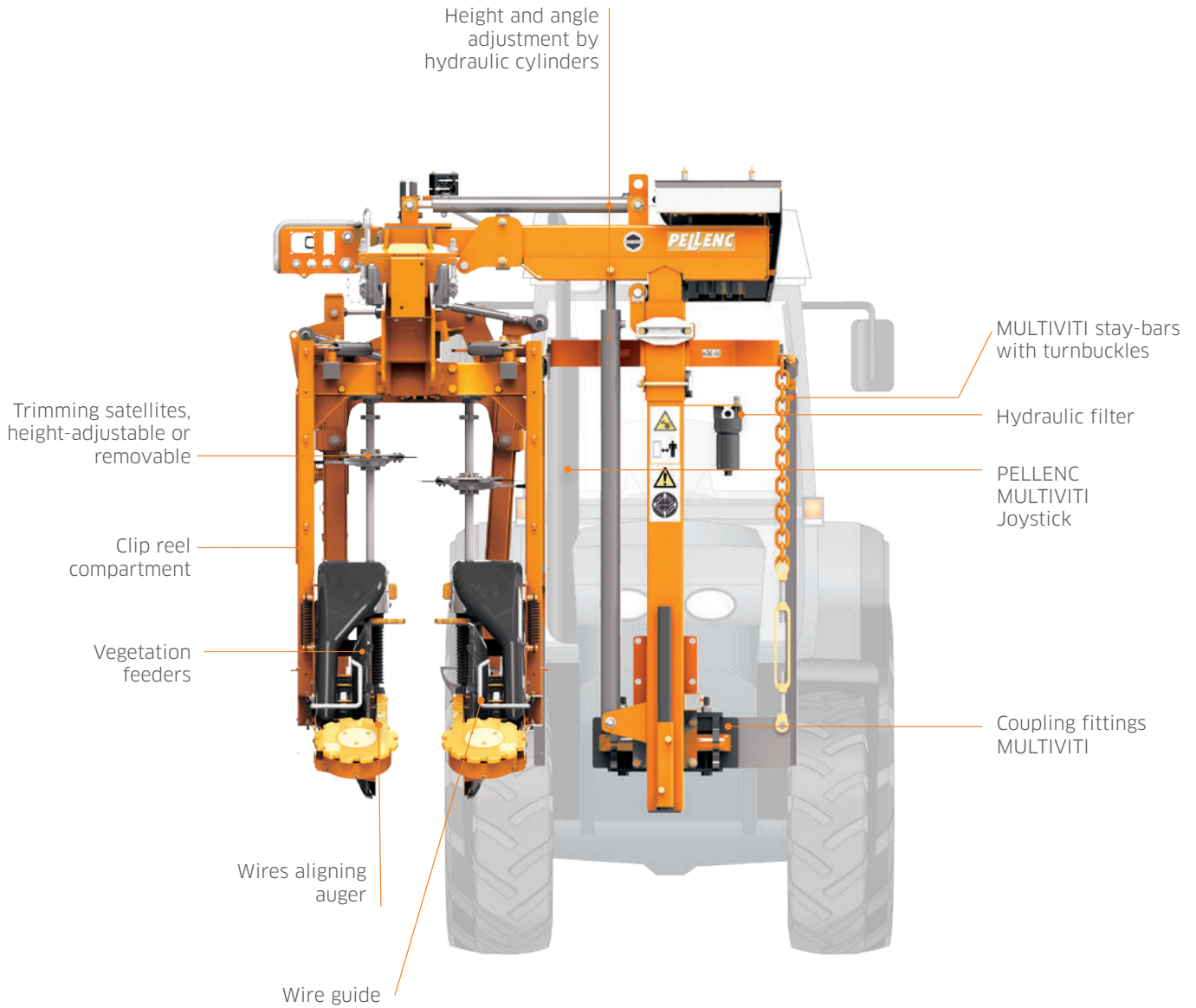
**SITEVI**  
GOLD MEDAL



Wide range of clips available



Formation of a homogenous plant canopy



### Range of PELLENC clips

PELLENC made clips ensure the proper functioning of the PELLENC trellising machine. Designed for use with our trellising machine with widths adapted to different types of vines. Each model has different tensile strengths based on the thickness of the canopy or its use (first lifting). The clips are made from photo-degradable and food-grade material.



Super narrow clip (18 mm)



First lift clip (31 mm)



Narrow clip (31 mm)



Wide clip (57 mm)

## PELLENC TIPS

The wire lifter operates on three principles:

- **Simplicity:** it uses the pair of lifting wires permanently installed on the trellising from one end of the row to the other.
- **Economical:** the system can be reused every year.
- **Safe:** by lifting two wires, the wire lifter carries the vegetation upward to form an homogeneous and wind resistant canopy.

### Trellising recommendations

The wire lifter works with all types of posts except in T bars larger than 15 cm. Quality of posts and wire tension are essential for wire lifting mechanisation.

### Appropriate wires

Three types of wire can be used: galvanized non-steel, galvanized steel, and nylon. The galvanized steel wires No. 13 and No. 16 (2 mm to 2.7 mm depending on vegetation) produce the best results. Using suitable lifting wires is a requirement for proper mechanization

### Preparing the “entry into the rows”

By manually engaging the vegetation between the wires for the first 3 or 4 metres of the row, it is easier for the wire lifter to enter into the rows and for the wires to be caught automatically (mainly for vineyards with dense vegetation).

### Lifting wires tension

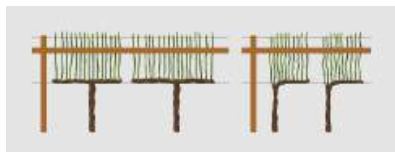
Several parameters: rows length, vegetation vigour and density, wire type.

Optimal set-up: the lifting wires must touch the ground around 10 or 15 m from the head post.

It is recommended to install fastening stirrups and tension chains on the anchoring posts to get the right tension.

### Importance of trellising

The ease and quality of lifting depends on the grape variety (naturally upright or falling) and the trellising "cordon" or "flat tying" is recommended to get the best results.



● Standard ○ Optional

TECHNICAL SPECIFICATIONS	MULTIVITI Lifting Trellising machine
Trimming attachment	●
Coupling	Frontal MULTIVITI chassis and multifunction carrier
Quick coupling hinge and stay-bars	●
Stapling mechanism	●
Electric control of all functions	●
Height and angle settings controlled by hydraulic cylinders	●
2 upper and lower vegetation feeders	●
Delivered on a pallet stand	●
Hydraulic output (l/min)	25 l/min at 180 bars
Wire holding kit	○
"Ultra narrow" clip adapter	○



# LEAF REMOVER

## AS GOOD AS IF BY HAND SIMPLE AND FAST

The new leaf remover suits all vineyards, the work is done properly and uniformly, as if by hand. The simple design ensures quick and easy handling and very little maintenance. The canopy is tracked by a sensor, which automatically manages the tool pressure on the trellising in real time—with no damage to the berries!



*"The PELLENC leaf remover is very simple to set up and to use, and it took no time to learn to use it. Automatic tracking of the canopy increases the quality of leaf removing with full respect of the berries. The swivel head ensures a quick turn at the end of the row and also allows me to adjust the working height in all my vineyards. Folding for transport position is very clever, and visibility and comfort are all there! Even better, maintenance is greatly reduced thanks to its simple design."*

**ETA PASCAL ROMAIN**  
Saint-Émilion - FRANCE



# PELLENC ADVANTAGES

## COST EFFICIENCY

- Only one person required.
- Up to 4 km/h for optimal work.
- Available in a 1/2 row or full row multifunction carrier version.
- Suits all vineyards.
- Reduced maintenance cost.
- Low fuel consumption, with reduced power requirements.
- High forward speed.

## QUALITY

- Row tracking makes it possible to work in all types of vineyards with the same leaf removing rate, with all respect of the fruit bearing area.
- Automatic safety swing-back mechanism in case frontal shock.
- Automatic tracking of the plant canopy.
- The rollers catch the leaves without damaging the berries.

## EASE OF USE

- Excellent row visibility.
- Quiet machine.
- Compact, easy to handle in headlands.
- Cantilever and reduced weight.
- Simplicity and reliability.
- Impact-proof design.

## ERGONOMICS

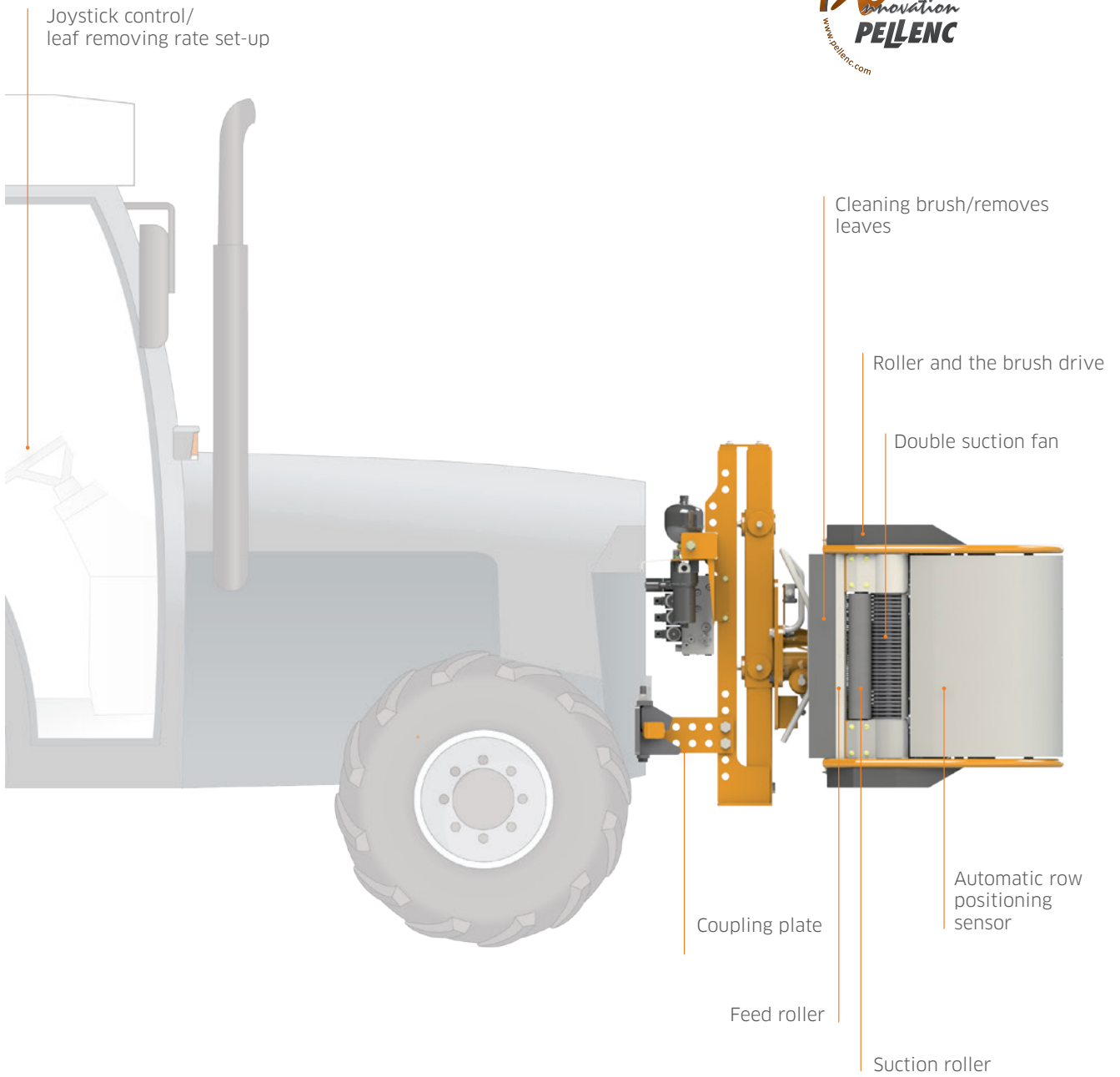
- Intuitive driving and controls.
- Single hitching, hydraulic and electrical connections at shoulder height (1/2 row) reversible.



Full row leaf remover on the Optimum carrier



Easy and comfortable transportation



### Leaf removing quality like that of manual leaf removing

The row tracking sensor of the SOFT TOUCH leaf remover guarantees a full respect of the grape with its large active area and a constant leaf removing rate.

The driver has only to focus on driving, Soft Touch does the rest!



### No maintenance during the day

The suction roller is placed next to a feed roller. They rotate in opposite directions, grabbing the leaves. The leaves remain whole since they do not pass through the turbine.

A roller brush at the rear cleans the 2 rollers to limit plant and debris deposits - ejects the leaves on the ground without projecting them toward the grapes.





### Automatic canopy tracking

The sensor in contact with the vegetation automatically controls the leaf removing head position to perfectly follow the canopy. Independent tracking of the right/left modules of the 1 complete row leaf remover.



### Modular

The 1/2 reversible row leaf remover can work to the left or right. It can quickly rotate.



The full row stripper can also be coupled with the OPTIMUM carrier.



● Standard ○ Optional

TECHNICAL SPECIFICATIONS	Reversible half-row	1 row
Minimum row width - m	1.50	1.30 m on the multifunction carrier
Number of rows	1/2	1
Hydraulic output required - min.	35l	45l
Coupling system	Front coupling tractor	Multifunction carrier
Offset settings	●	●
Stripping height - mm	380 or 480	380 or 480
Electric controls on all functions	●	●
Row tracking by sensor	●	●
Delivered on a pallet stand	●	●

# TWIN BOX

## TWO-ROW SPREADER THAT IS SIMPLE, VERSATILE AND ADAPTABLE

The Twin Box 2-row spreader is multifunctional and multi-purpose. With its high on-board capacity, you change and adapt your type of application simply and quickly (soil, manure, fertilizer, powder, bark, soil improvers, etc.).



*"The TWIN BOX spreader is just like the PELLENC multifunction carrier-versatile. I have been using it for 10 years now to carry soil and spread manure or fertilizer in my vineyard. The work rate is perfect for me. I work at 8 km/h covering 7 rows\* with fertilizer or 2 rows with manure. Mounting on the carrier allows increased loading capacity compared with towed models, so I spend less time on the road and more in the field. The simple design of the TWIN BOX spreader has two advantages in the field: maintenance costs are virtually nil for the last ten years, and the transition from one job to another is done very quickly and without complex mechanics."*

**Jean Marc RIEUSSET**

Gaec de Serzat, Côtes-du-Rhône - Valvigneres - FRANCE

\*Row Spacing



# PELLENC

## ADVANTAGES

### COST EFFICIENCY

- 2 rows spreading in a single run and more with the extra wide option.
- Carry up to 3.4 m<sup>3</sup> of products.
- Working speed according to hectare flow rate.
- Multipurpose: manure, compost, fertilizer, earth, and powders.

### QUALITY

- Precision work.
- Spreading is done by chain and bar conveyor, or rubber or rotor conveyor.

### EASE OF USE

- Ergonomic steering of the PELLENC carrier.

### ECO-FRIENDLY

- Wheels are centred in the row thus limiting pressure on the root system.



*Spreading done at the base of the row*



*Excellent manoeuvrability in the vineyard*



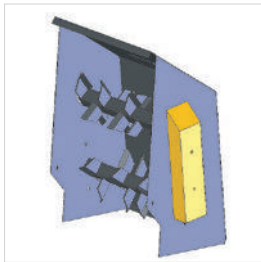


## TWIN BOX spreader

Consisting of double bins.  
2 variable-speed ribbed chain belts with hydraulic reduction motor.  
2 hydraulic flaps with mechanical memory.  
Separate control for each conveyor.  
Stands - Ladder.

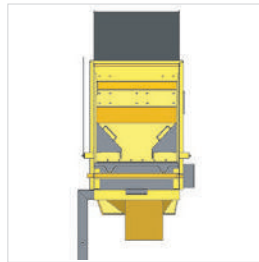
## Options

Compost/manure kit.  
Extra wide spreader kit.  
Rubber conveyor kit.  
Quick coupler kit.



### Compost/manure spreader kit

Double streamlined rotor for spreading in the centre of a row.



### Rubber feed conveyor kit

The rubber belt is used to spread at a low rate.



### Extra wide spreader kit

Covers more than two rows in a single run thanks to its spreading discs.



● Standard ○ Optional

TECHNICAL SPECIFICATIONS	TWIN BOX
Chassis	Twin feed boxes
Bin volume - m <sup>3</sup>	2 x 1.7
Number of rows worked	Two (or more with the extra wide spreading option)
Product transportation	Chain and bar conveyor
Acre rate control	Conveyor speed variation controlled by hydraulic reducer
Rear cover opening	Hydraulics with mechanical memory
Conveyor speed control	LH/RH independent
Feed box loading protection	●
Ladder	●
Stands	●
Optional compost/manure kit (horizontal rotors)	○
Rubber feed conveyor kit + reduction motor (low concentration per acre)	○
Extra wide spreader kit	○
Quick coupler kit	○
Feed box reducer kit and covers	○

# CULTIVION

## WORKING THE SOIL HAS NEVER BEEN SO EASY

The CULTIVION soil cultivator is unique. It is for soil work and weeding. Thanks to its lightness and stability, Cultivion works quickly and efficiently at the vines' foot or in vegetable crops. The Cultivion works the surface and the underground level.



*"Cultivion is a simple and very versatile tool. I use it both for superficial tillage for weeding or for hoeing my vines after the heavy rains at the end of winter. The tool's power is impressive: I work a lot faster than with my hand tools and fatigue is drastically reduced. The electric motor is also very much appreciated; the Cultivion starts instantly in all seasons, and on top it is eco-friendly."*

**Laurent PETTAVINO**  
Provence Region - Lourmarin - FRANCE



# PELLENC ADVANTAGES

## COST EFFICIENCY

- Fast and comfortable work.
- Low maintenance.
- The battery capacity offers a full day's work.

## ERGONOMIC

- In-depth and surface work: with 9 easily adjustable pivoting positions.
- Minimal dimension of cultivating head and optimum handling.

## MULTIFUNCTION

- Uses: hoeing, weeding, soil aeration, etc.
- Multi-purpose battery.
- 4 working speeds for desired use.
- 5 toothed blades for different uses.

## ECO-FRIENDLY

- Hoeing is the equivalent of 2 watering operations.
- An alternative to chemical herbicides.
- Zero emissions and zero waste.
- No unpleasant noise pollution or odours.



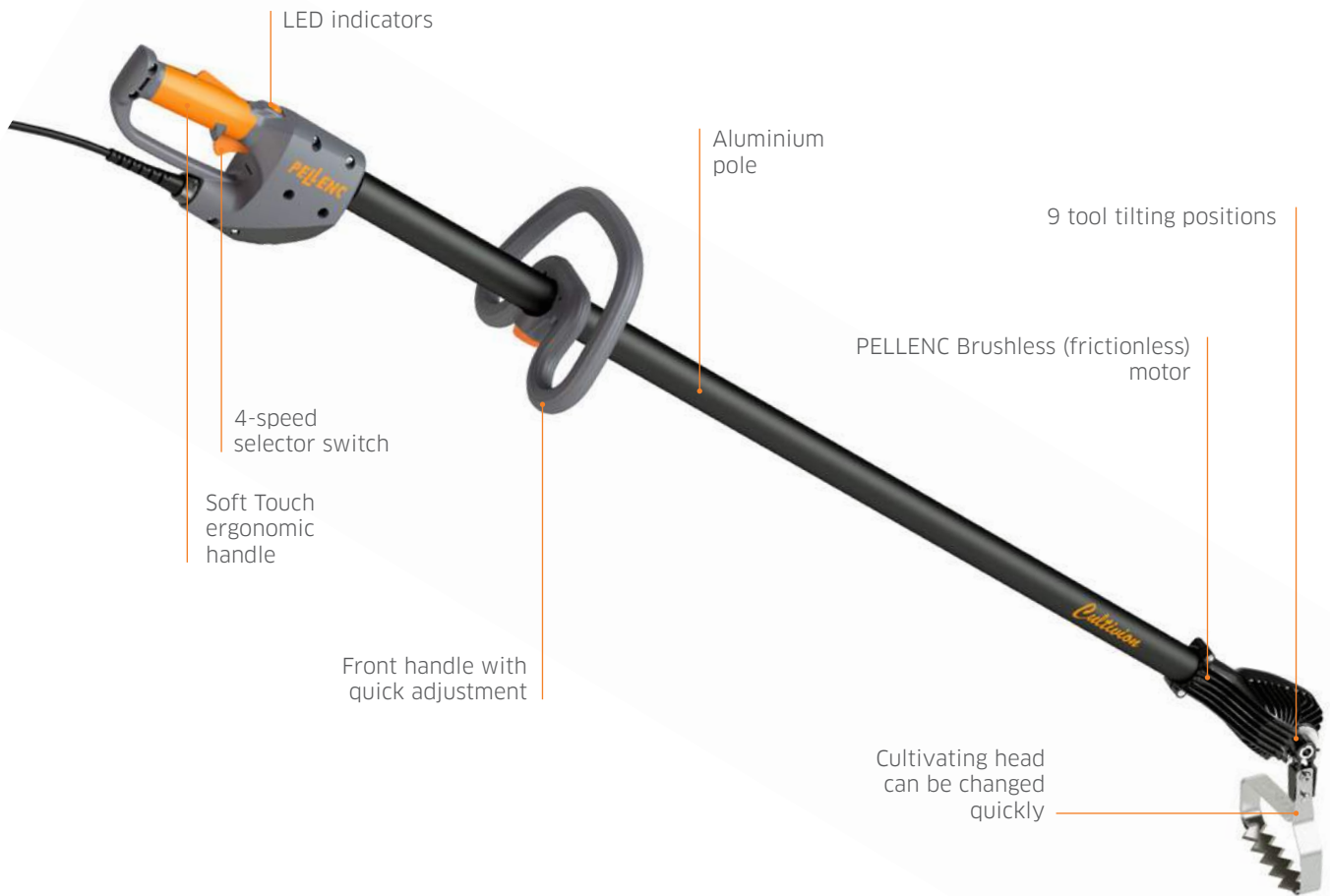
4-speed selector switch



Precision work between the vine stock



For unmatched results



LED indicators

Aluminium pole

9 tool tilting positions

PELLENC Brushless (frictionless) motor

4-speed selector switch

Soft Touch ergonomic handle

Front handle with quick adjustment

Cultivating head can be changed quickly



### Performance

CULTIVION blades work with an oscillating motion. This extremely rapid movement (up to 885 strokes/minute) guarantees the tool the power and performance required to facilitate soil penetration.

PELLENC PATENT

### Stability

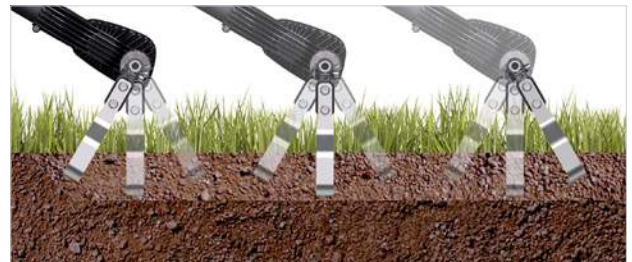
In contrast to motorised cultivators, CULTIVION is stable when working, without the need to use force on the machine. CULTIVION has been designed to work in reverse, which eliminates the need to walk over the areas that have already been worked.



### Multipurpose

With the different blades you can easily adapt to all working environments. The quick change blade makes it easy to switch from one use to another.

PELLENC PATENT





MULTIFUNCTION BATTERIES				
ULiB	250	400	Olivion	700
Battery-life***	Up to 2.5 h	Up to 4 h	Up to 1 day	Up to 1 day

## OPTIONS THAT MEET YOUR NEEDS


### 16 CM, V-SHAPED BLADE



Ref.: 83849

- For working on hard soil, for ploughed trenches.

### 8 CM BLADE



Ref.: 100422

- For finishing work, with reduced vibrations.

### 16 CM BLADE



Ref.: 81251  
Sold as standard

- For medium and deep work.

### 22 CM BLADE



Ref.: 79779

- For wide and deep work.

### 22 CM BLADE - weeding



Ref.: 84125

- For surface work, for removing weeds.

- Standard equipment

TECHNICAL CHARACTERISTICS	CULTIVION
Max. power - W	380
Weight - kg	3.1
Oscillation speed - HZ	13 to 15
Tool speed - spm	800 to 885
Number of blades	5
Blade pivot positions	9
Noise level (L <sub>pA</sub> )* - dB(A)	82
Guaranteed sound level (L <sub>WA</sub> )* - dB(A)	91
Front handle vibration level (a <sub>h</sub> )** - m/s <sup>2</sup>	14.4
Rear handle vibration level (a <sub>h</sub> )** - m/s <sup>2</sup>	10.2
4-speed selector switch	•
Adjustable handle	•
Interchangeable blades	•

\*Values determined according to acoustic measurement standards NF EN ISO 11201 and NF EN ISO 3744

\*\* Vibration emission value following DIN EN 60745-1:2009 - Kd uncertainty = 1.5 m/s<sup>2</sup>

\*\*\* For information: the times were observed in actual working time, without taking breaks into consideration. Battery-life is influenced by the nature of the work required



# PANORAMA TRIMMER

## A VISION OF THE FUTURE

The Panorama trimmer offers great visibility. Robust and reliable, it comes in two models: Panorama with cutting bars and Panorama with blades. With the hydraulically adjustable chassis, you can customise the cutting width in a single click.



*" In my opinion, the main strength of the PANORAMA trimmer is its simplicity, both technically and visually. No parts stick out of the chassis and casings and visibility of the cutting elements is excellent. I can work faster while limiting the risk of hanging on a stump. The hydraulic transmission is simple and especially reliable! The precision of steering in the row is very good, the reduced front overhang allows the machine to be positioned accurately relative to the row."*

**Frédéric AMOURDEDIEU**  
Provence Region, Villelaure - FRANCE

# PELLENC

## ADVANTAGES

### COST EFFICIENCY

- Work without fouling.
- Adjustable pivot lower cutting module (optional).

### QUALITY

- Set working width and height for precise work in one click.

### EASE OF USE

- Unobstructed visibility of the rows.
- Silent.
- Easy-to-use.
- No daily maintenance.

### SAFETY

- Safety mechanism in case of shock, automatic re-setting.



*Simple construction, optimum visibility.*



*Reduced overhang, ideal during transport and in headlands.*

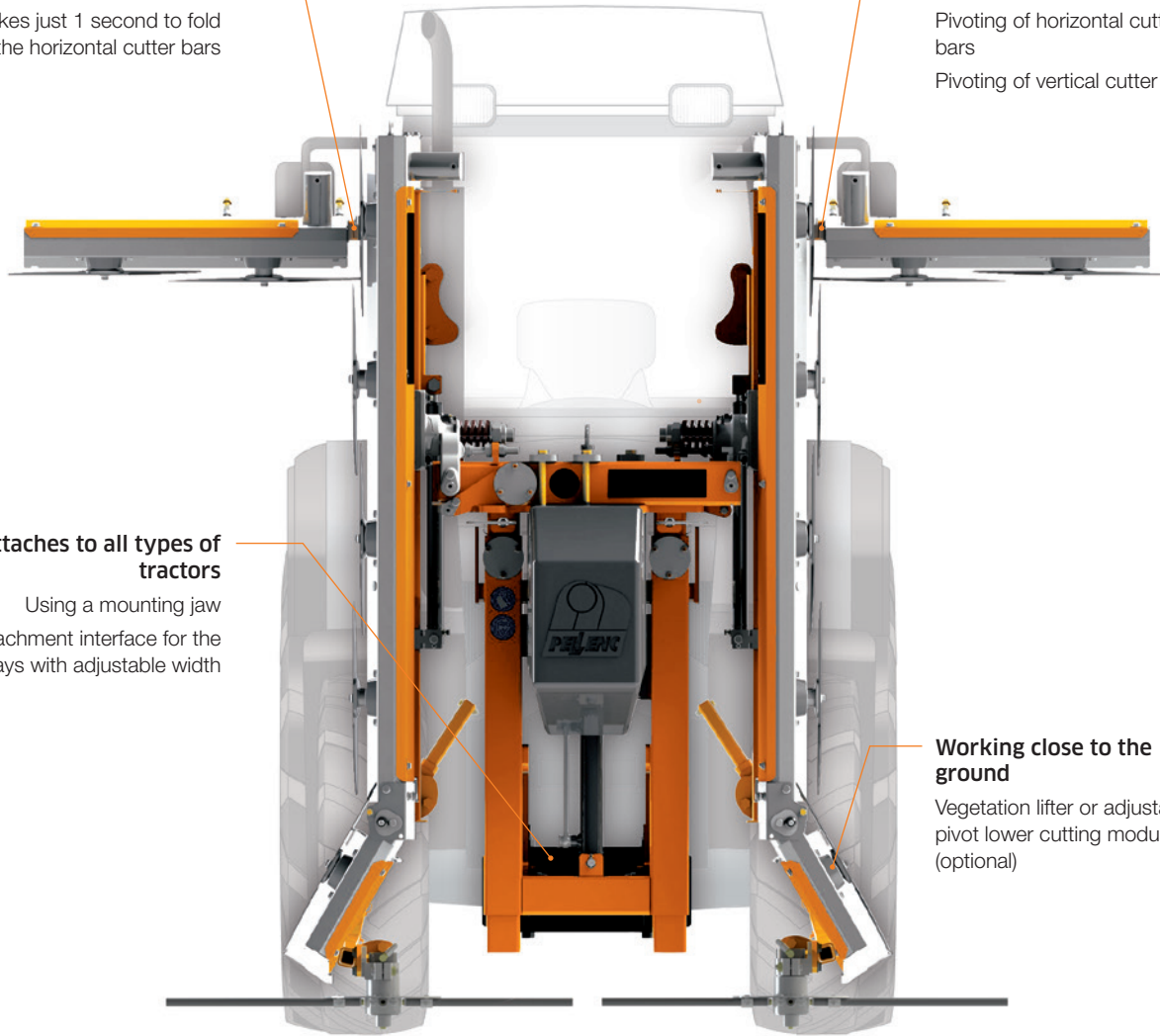


**Safe to transport on road**  
It takes just 1 second to fold the horizontal cutter bars

**Working on inclines made easier**  
Pivoting of horizontal cutter bars  
Pivoting of vertical cutter bars

**Attaches to all types of tractors**  
Using a mounting jaw  
Attachment interface for the stays with adjustable width

**Working close to the ground**  
Vegetation lifter or adjustable pivot lower cutting module (optional)



Wide range of settings of the PANORAMA chassis for working effectively in all vineyard configurations.





### Intuitive controls

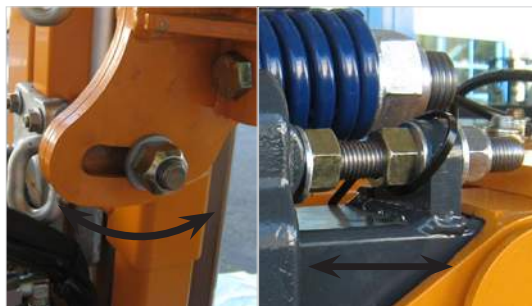
Comes standard with a multifunction joystick.  
1-click control of all functions of the trimmer.



Folding of the horizontal cutting modules without tools for quick and safe road transport.



Panoramic view of the rows and the trimmer at work.



Quick pivot vertical cutting bars work efficiently on slopes



● Standard ○ Option

TECHNICAL CHARACTERISTICS	PANORAMA EC narrow Blades	Panorama LC Wide Blades	PANORAMA EB narrow with reciprocating bars	PANORAMA LB Large reciprocating bars
Cutting width (in m)	0.98 to 2.15	1.21 to 2.86	0.89 to 2.03	1.09 to 2.74
Standard vertical cutter bars	1.38 m with 4 blades	1.38 m with 4 blades	1.50 m BALT 1500	1.80 m BALT 1800
Option 1 vertical cutter bars	1.72 m with 5 blades	1.72 m with 5 blades	1.80 m BALT 1800	1.50 m BALT 1500
Horizontal cutting bars	0.73 m with 2 blades	0.73 m with 2 blades	0.90 m BALT 900	0.90 BALT 900
Cut-off on impact ensures safety at all times	●	●	●	●
Control joystick	●	●	●	●
Height and hydraulic spacing adjustment	●	●	●	●
Manual height adjustment of horizontal bars	●	●	●	●
Hydraulic height adjustment of horizontal cutter bars	○	○	○	○
Mounting plate and stay-rod	●	●	●	●
Delivery on a pallet stand	●	●	●	●
Working close to the ground (optional)	Fifth lower cutting module (fixed or pivoting)	Fifth lower cutting module (fixed or pivoting)	Vegetation lifter	Vegetation lifter

# MULTIVITI TRIMMER

## SIMPLE AND FAST

The MULTIVITI trimmer is quick and simple to use. Coupling and uncoupling is done without tools.



*"The trimmer on the MULTIVITI chassis has the advantage of being controlled by the Pellenc MULTIVITI joystick, which I find ergonomic and easy-to-use. The drive is simple and robust, the machine requires little power and maintenance. I am pleased to say that with the MULTIVITI trimmer I save time in the vineyard and in the workshop."*

**Christian and Jean-François OTT**  
Domaine OTT - Château de Selle - Taradeau, FRANCE



# PELLENC

## ADVANTAGES

### COST EFFICIENCY

- Low maintenance costs.
- Possibility of combining task.
- Coupling in 3 minutes.

### QUALITY

- Cut any branch diameter.
- Greater range of settings.

### EASE OF USE

- Lightweight tool.
- Silent.
- All commands plus width and height settings are made from the MULTIVITI cab.

### SAFETY

- MULTIVITI safety swing-back mechanism.

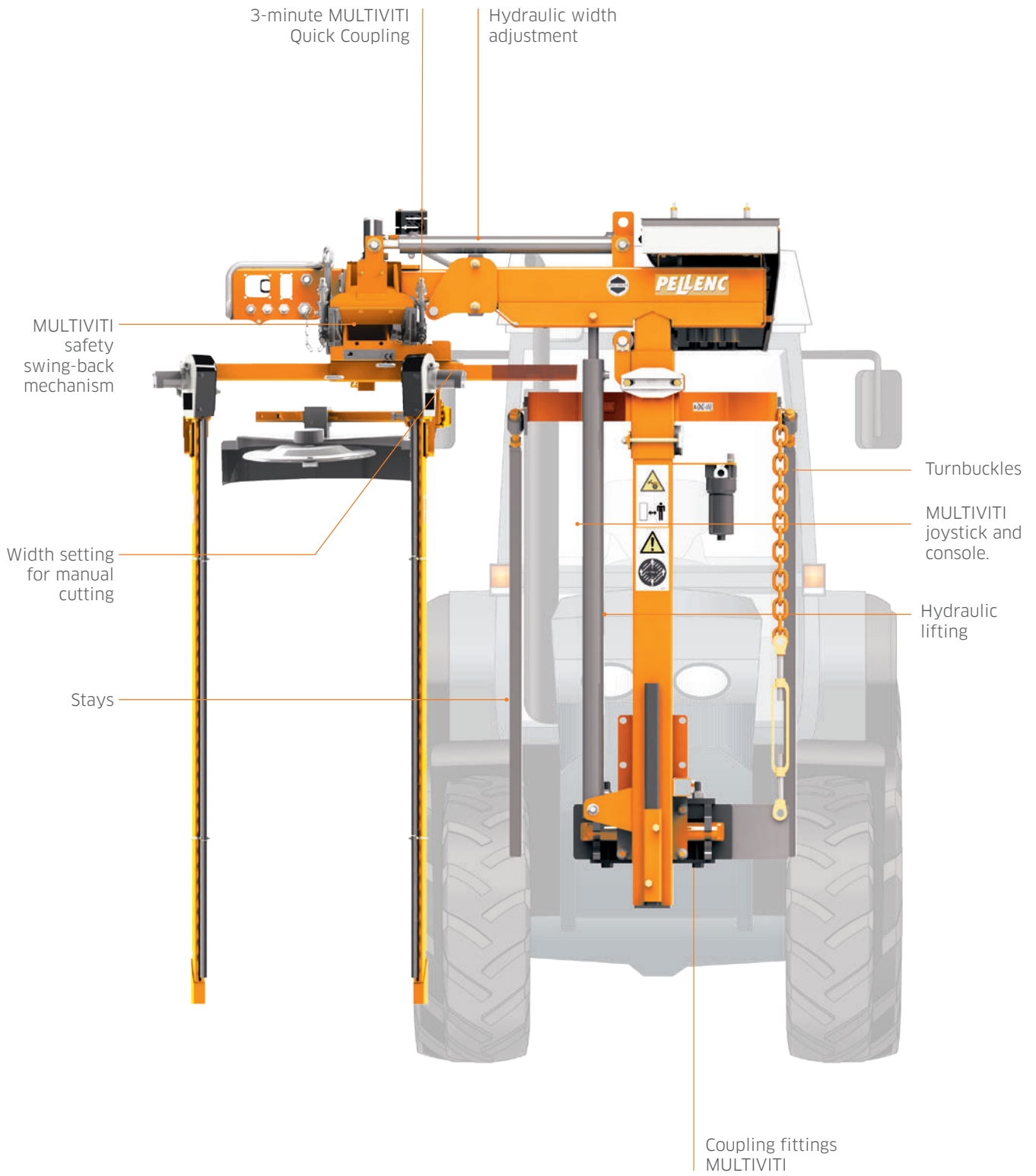


*Fast and accurate work in all vineyard configurations*



*Quick coupling in 3 minutes*







## Quick coupling in just 3 minutes

Hydraulic and electrical connections are quick and located at shoulder height. Automatic recognition of the tool by the MULTIVITI Joystick.



## Intuitive controls

Comes standard with a multifunction joystick.

1-click control of all the trimmer functions.



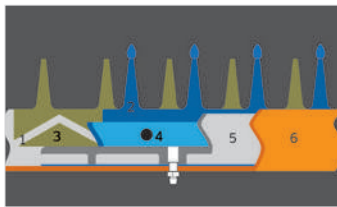
● Standard ○ Optional

TECHNICAL SPECIFICATIONS	MULTIVITI C (Blades)	MULTIVITI B (Reciprocating cutting bars)
Cutting width (m)	0.3 to 1	0.3 to 1.2
Standard vertical cutter bars	1.38 m with 4 blades	1.8 m BALT 1800
Option 1 vertical cutter bars	1.72 m with 5 blades	1.5 m BALT 1500
Horizontal cutter bars	1.05 m with 3 blades	0.7 m: 1 Évoludisc 700 satellite
Optional horizontal cutter bar	–	1.2 m: 2 Évoludisc 600 satellites
Cut-off on impact ensures safety at all times	●	●
Control joystick	●	●
Height and hydraulic axle adjustment	●	●
Manual height adjustment of the horizontal cutter bar	–	●
Hydraulic height adjustment of the horizontal cutter bar	●	–
Mounting plate and stay-rod	●	●
Delivery on a pallet stand	●	●
Working close to the ground (optional)	Fifth lower cutting module (fixed or pivoting)	–

# HOW TO CHOOSE YOUR TRIMMING SYSTEM ON PANORAMA AND MULTIVITI

## Reciprocating cutter bar solution

The PELLENC trimmer with reciprocating cutter bars make clean cuts just like shears. Absence of projection due to the reciprocating blade movement makes it possible to work safely without risk, or fouling of the tractor radiator.



### Manufacturing quality

PELLENC reciprocating cutter bars are reliable and require no daily maintenance

- 1 - Lubrication channel.
- 2 - Cutting blades with nib for holding vegetation.
- 3 - Steel blade attachment rivet.
- 4 - Blade holder.



### Impact-proof design

In case of shock, the tool safety is ensured by as system of retractable parts with automatic resetting.



### Safe and rapid transport

Horizontal cutter bars fold away without tools, small footprint on roads and paths. Works efficiently on slopes.

## PELLENC ADVANTAGES

### QUALITY

- Clean, pruner type cut.
- Reciprocating movement of the self-cleaning blades.
- Cut any branch diameter.
- Optional vegetation lifter: work all the way to the ground.

### SAFETY

- Retractable elements: safety swing-back mechanism, automatic resetting of working position.
- No risk of injury due to the absence of projections.

### EASE OF USE

- Silent.
- Easy-to-use.
- No daily maintenance.

### Selection guide

TECHNICAL SPECIFICATIONS	PANORAMA EB (Narrow with reciprocating cutter bars)	PANORAMA LB (Large with reciprocating cutter bars)	MULTIVITI B (with reciprocating cutter bars)
Type of chassis	Panorama	Panorama	MULTIVITI
Tractor type	In row tractor	In row tractor	In row tractor
Hydraulically-powered cutting modules	•	•	•
Required hydraulic output - l/min.	25	25	25
Number of rows	2 x 1/2 rows	2 x 1/2 rows	1 row
Cutting width - m	0.89 to 2.03	1.09 to 2.74	0.3 to 1.2



## Blade solution

The PELLENC blade trimmer offers performance with reduced maintenance: cut up to 10 km/h with no fouling! The modularity of the cutting unit is adapted to different plant configurations in record time.



### PELENC blades

Change blades in 1 minute.  
Low fouling.  
High rotational speed for a clean cut.



### Impact-proof design

Tension spring safety devices ensure retraction of the cutting elements.  
The work position is automatically reset once the obstacle has passed.



### Pivoting lower cutting module (optional)

Working all the way to the ground.



## PELENC ADVANTAGES

### QUALITY

- High rotation speed of the blades: clean cut at all plant growth stages.
- Work without fouling.
- Adjustable pivot lower cutting module (optional).

### COST EFFICIENCY

- High working speed: up to 10 km/h.

### EASE OF USE

- Silent.
- Easy-to-use.
- No daily maintenance.
- Horizontal folding of modules without tools for road transport (Panorama).

### SAFETY

- Safety mechanism in case of shock, automatic re-setting.

## Selection guide

TECHNICAL SPECIFICATIONS	PANORAMA EC (Narrow Blades)	PANORAMA LC (Large Blades)	MULTIVITI C (Blades)	1 row trimmer On over-row straddle tractor	2 row trimmer On over-row straddle tractor
Type of chassis	Panorama	Panorama	MULTIVITI	MULTIVITI over-row tool	MULTIVITI over-row tool
Type of tractor	In row tractor	In row tractor	In row tractor	Straddling tractor	Straddling tractor
Hydraulically-powered cutting modules	•	•	•	•	Standard or optional
Required hydraulic output (L/min.)	25	25	25	25 l/min.	25 l/min. (standard) 40l/min. (derivation or on 2 pumps)
Number of rows	2 x 1/2 rows	2 x 1/2 rows	1 row	1	2
Cutting width (m)	0.98 to 2.15	1.21 to 2.86	0.30 to 1.0	0.24 to 0.55	0.24 to 0.55

# TRIMMER ON OVER-ROW STRADDLE TRACTOR

## EFFICIENCY AND A CLEAN CUT

The PELLENC blade trimmer on an over-row straddle tractor is adapted to the specificities of narrow and low vineyards. The PELLENC MULTIVITI chassis for over-row tool provides stability, manoeuvrability, performance and the ability to work one or two rows.



*"The word that summarises the PELLENC trimmer on an over-row straddle tractor is "practical". It is very simple to use and intuitive. The hydraulic height and offset adjustment are a real comfort when working. The vertical lift of the cutting elements allows fast and safe manoeuvres in the headlands, even the most narrow. The overhang on the front of the over-row straddle tractor is minimal, the stability of the unit and the life of the equipment is optimised. The construction of the unit is of excellent quality. I appreciate the well-designed guidance of the hydraulic hoses and the slides on rollers of the horizontal beams (hydraulic adjustment of the offset). The trimmer modules and the blades are also very robust. The quality of work is consistent day after day."*

**Hervé CARRETTE**  
GAEC Domaine Carrette - Vergisson, FRANCE



# PELLENC

## ADVANTAGES

### COST EFFICIENCY

- Reduced front overhang: easy turning in headland.
- MULTIVITI chassis over-row tool for trimming, pre-pruning or leaf removing.

### QUALITY

- Belts protected by covers.
- Optimised guidance of the hoses by the lift chain.

### EASE OF USE

- Vertical lift of the cutting modules at the end of the row.
- Controls activated over the over-row distributors, no additional control unit in the cab.
- Hydraulic adjustment of the cutting height.

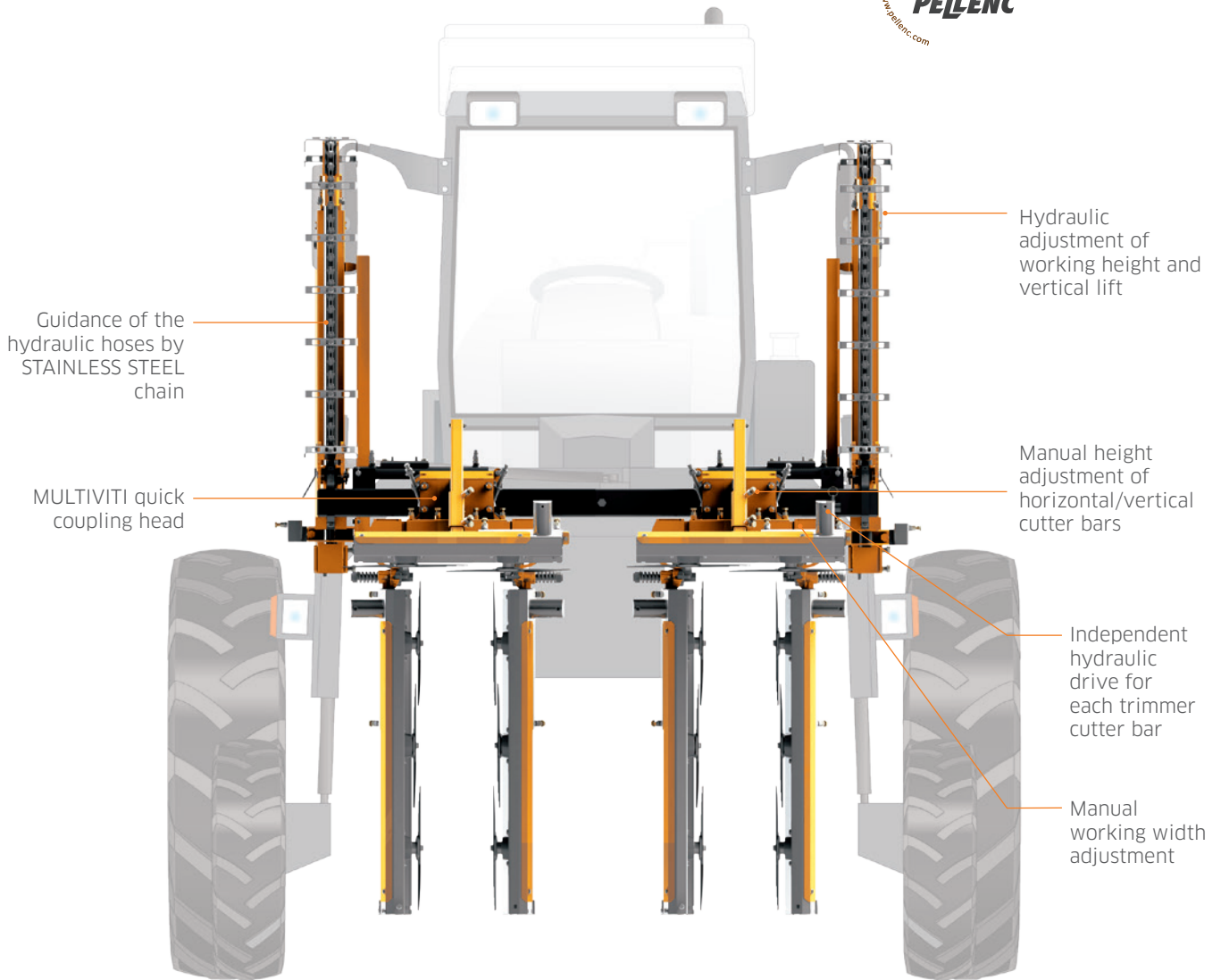


*Guidance of the hoses by stainless steel chain*



*Vertical lifting of the trimmers*





### Quality construction

Guidance of the chassis beams with rollers. This highly reliable system requires very little power and provides accurate guidance.



## Quick coupling in just 3 minutes

Coupling and uncoupling of the cutting heads without tools. Plumbing and electrical connections accessible and grouped.



## Safety swing-back mechanism

In case of an obstacle, the cutter bars fold back and reposition themselves in the working position once the obstacle is passed.



● Standard ○ Optional

TECHNICAL SPECIFICATIONS	1 row trimmer on over-row straddle tractor	2 row trimmer on over-row straddle tractor
Cutting width - m	0.24 to 0.55	0.24 to 0.55
Standard vertical cutter bars	1.04 m with 3 blades	1.04 m with 3 blades
Option 1 vertical cutter bars	1.38 m with 4 blades	1.38 m with 4 blades
Horizontal cutter bars	0.73 m with 2 blades	0.73 m with 2 blades
Cut-off on impact ensures safety at all times	●	●
Control joystick	Over-row straddle tractor distributors	Over-row straddle tractor distributors
Height and hydraulic axle adjustment	Chassis height adjustment	Chassis height adjustment + hydraulic offset of the cutting heads
Planting width - m	0.9 to 1.4	0.9 to 1.4
Manual height adjustment of horizontal bars	●	●
Stays	●	●
Delivery on a pallet stand	●	●



# TRIMMER ON A 2-ROW BOGIE

## TRIMMING JUST THE WAY YOU WANT IT

The trimmer on 2 rows bogie ensures quality trimming for your vines thanks to the clean cuts of the rotating blades. The rear positioning of the tool guarantees an excellent view of the row to trim with ease. A narrow model and a wider model are available to efficiently meet the needs of all vineyard configurations.





# PELLENC

## ADVANTAGES

### COST EFFICIENCY

- Trimming and clipping during all vegetation stages whether greenwood or riper wood.
- Simple design: reduced maintenance.
- High working speed: up to 10 km/h.
- Assembly/disassembly of the blades in less than a minute.

### QUALITY

- High blades rotation speed: clean cuts at all vegetative stages.
- Work without fouling.
- Low cutting module (optional), reclining on the wide model.
- Hydraulic adjustment of the working width depending on the canopy.

### EASE OF USE

- Excellent visibility for the driver.
- Electrical control of all functions in the cabin with the PELLENC Joystick.
- Overhang reduced for comfort on the road.
- Folding of the horizontal modules without tools.
- Silent.
- No daily maintenance.
- Optimal stability when working by adjusting the width of the bogie wheels.

### SAFETY

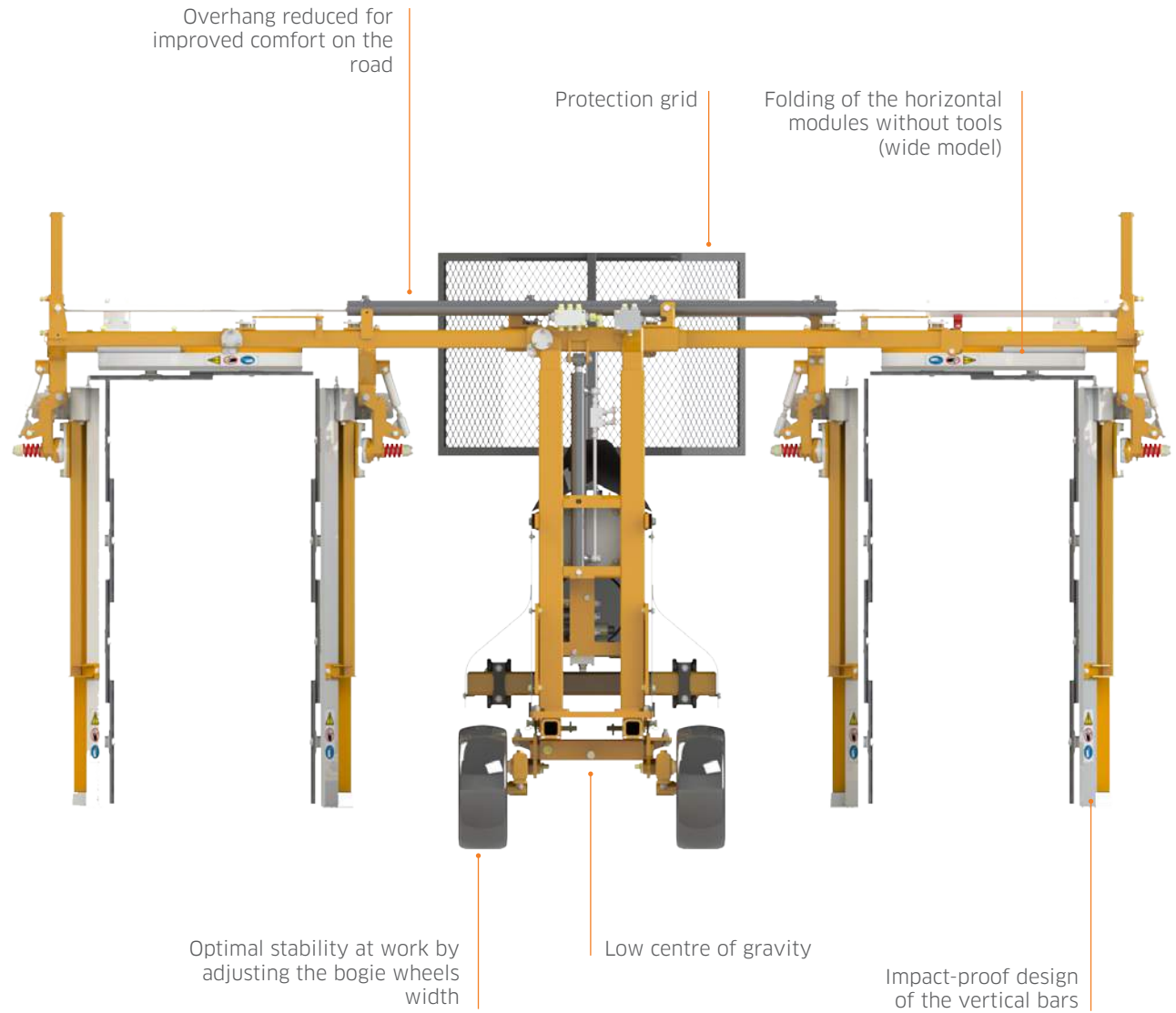
- Automatic reset safety on the horizontal and vertical elements.
- Safety mechanism in case of shock, automatic resetting of work position.
- Machine stability: low centre of gravity on the wide model.



*Trim at a rate of up to 10 km/h with no fouling!*



*Quality trimming of 2 full rows*



Comes standard with a multifunction joystick.  
1-click control of all functions of the trimmer.



Excellent view of the row.



Wide model ...



... or narrow model for efficient work regardless of the configuration of the vines.



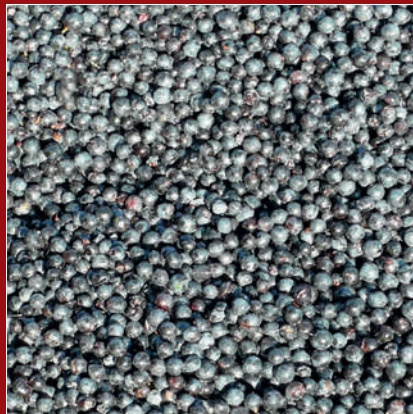
● Standard ○ Optional

TWO-ROW TOP TRIMMER ON A BOGIE	Narrow	Wide
Plantation width	1.40 to 2.20 m	1.80 to 3 m
Bogie with adjustable width (Front + Rear)	●	●
Double position of the rear wheels of the bogie: interior or exterior	●	●
Three coupling points adjustable in length	●	●
Two lower coupling points adjustable in length and width	●	●
<b>Standard equipment</b>		
Multifunction joystick	●	●
Electric controls on all functions	●	●
Hydraulic adjustment of the row width	●	●
Hydraulic adjustment of the thickness of the plant cover	●	●
Simultaneous hydraulic height adjustment of the cutting heads	●	Independent
Two blade cutting heads	●	●
2 x 2 vertical blade bars	1,375 mm (4 blades)	1,375 mm (4 blades)
	725 mm (2 blades)	1,050 mm (3 blades)
Safety mechanism in case of impact of the vertical bars	●	Two horizontal bars
Protection grid	●	●
Hydraulic cooler	●	●
Hydraulic viti pack	-	55 l/m
Trimming retractable transport position	-	●
1 3/8 inch cardan joint	-	●
<b>Optional equipment</b>		
Two extra pairs of 320° blade modules	○	○
Hydraulic adjustment of trimming	-	○
Hydraulic tilt settings	-	○
Two pairs of motorised tiltable modules	-	○
Two pairs of steerable vegetation lifters	-	○





# WINERY EQUIPMENT



# PELLENC EQUIPMENT



## DESTEMMER AND SORTER

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Selectiv' Process Winery page 132  
2 in 1 system of destemming and sorting of the harvest.

## SORT BERRY BY BERRY

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Selectiv' Process Vision 2 page 136  
Quality sorting berry by berry.

## CRUSHER

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Extractiv' page 140  
New grape crushing concept.





**Selectiv'Process Winery L**  
High-flow destemming and sorting



**Extractiv'**  
A new concept in crushing

1973

2010

2012

2015

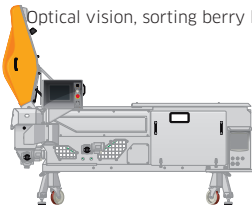
2008

2011

2013

**Selectiv'Process Vision**

Optical vision, sorting berry by berry



**Selectiv'Process Winery S and M** - destemming and sorting



**Selectiv'Process Vision 2**

Optical vision, grape by grape



**Selectiv'Process Winery**

Destemming and sorting



### Selection guide

	Processing of the grape harvest	Selectiv' Winery Process	Selectiv' Process Vision 2	Extractiv'
Harvest	Manual	•		•
	Classic mechanical	•		•
	Selectiv' Process On-Board mechanical harvesting		•	•
Destemming	Destemming	•		
Sorting	Stems and large green waste	•	•	
	Small waste	•	•	
	Leaf stems	•	•	
	Immature berries and raisins	•	•	
	Under-ripe pink berries		•	
	Foreign bodies (clips, snails, etc.)		•	
Crushing	Crushing based on berry maturity			•

# SELECTIV' PROCESS WINERY

## 99.8% CLEAN HARVEST\* AND WHOLE BERRIES!



High-frequency destemming combined with the roller sorting table enables the Selectiv' Process Winery to gently destem and separate all green waste from the harvest.

\* Based on IFV tests from 2008 and 2011, on manual harvest of Merlot grapes



*"The Selectiv Process Winery S is equipment that has a better balance to the flow than the Selectiv' Process Winery that I already know. It has a small footprint, which saves time with cleaning (20 minutes). The purchase price is in proportion to the size of the estate (12 hectares and 11 people sorting in 2011). Always with the same Selectiv Process Winery quality!"*

**Jean Michel LAPORTE**  
Château la Conseillante, Pomerol - Bordeaux, FRANCE

# PELLENC

## ADVANTAGES

### QUALITY

- 99.8 % cleanliness\*.
- 95% of lead stems > 35 mm removed.
- Whole berries.
- Protection of berries and stalks.

### EFFICIENT

- High sorting quality for high flow rates.
- Principle proven by over 1,800 users.
- Can be adapted to the harvest (based on the size of the berries).
- Range adapted to every winery size.

### COST EFFICIENCY

- Destemmed and sorted.
- Quality work in manual or mechanical harvesting.
- Reduced labour costs.
- Up to 25% saving on the total cost of destemming and sorting.
- Available in S, M or L as required.

### EASE OF USE

- Simple, immediate adjustment.
- Quick cleaning (15-30 minutes).
- Easy to install.
- Screws made of flexible material.



Selectiv' Winery Process S



Selectiv' Process Winery M

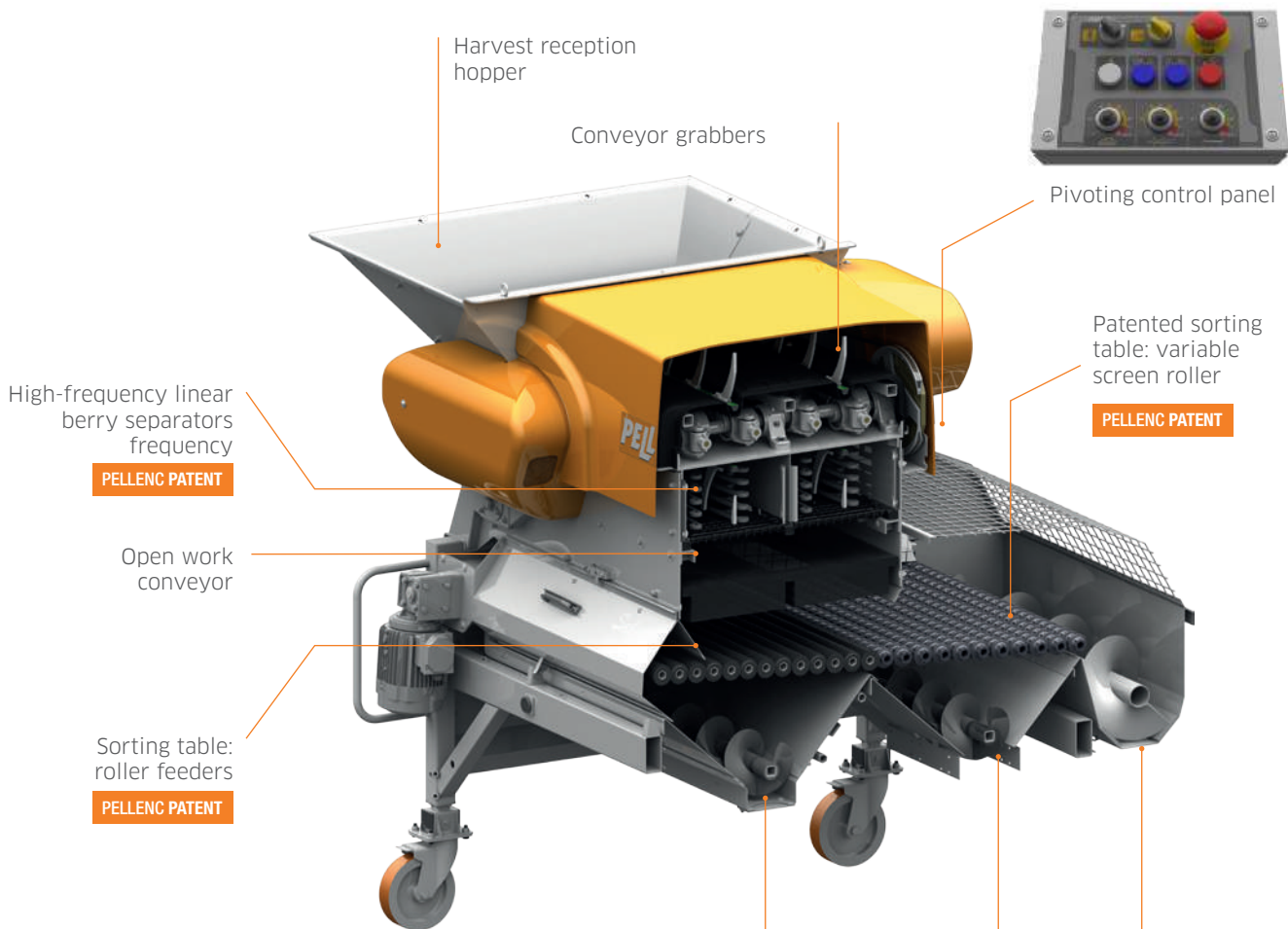
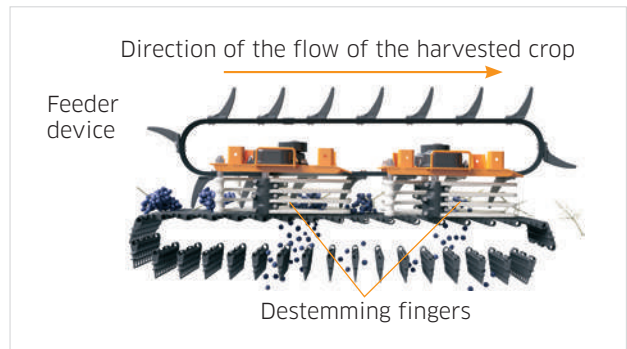


Selectiv' Winery Process L

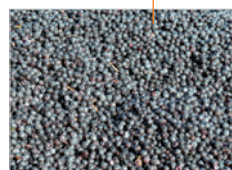




Cut away view of the Winery S



"Seed/juice" auger  
Draining - Separation of seeds, unripe fruit, and small waste

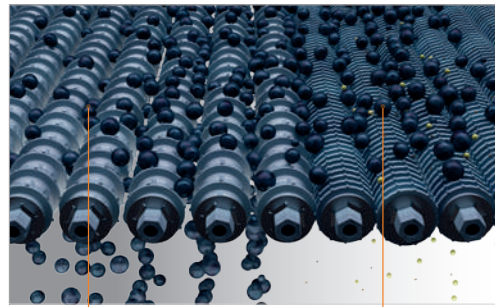


"Sorted grape" auger  
Sorting: recovery of fruit intact



"Green waste" auger for ejecting green waste: whole stems, leaf stems, leaves, etc.

## 2 IN 1 SYSTEM: DESTEMS AND SORTS



Variable screen rollers

Roller feeder

### Gentle destemming of the harvest

#### High-frequency linear berry destemmer

Gentle separation of berries from stalks with vibrations: berries are intact, stalks are not broken.

Feeding of the sorting table: the free berries pass through the slatted conveyor with no crushing.



Quick and easy cleaning

### Sorts and removes stems and leaf stalks.

#### Roller sorting table

Preparing the harvest for sorting: elimination of juice and small sized waste (seeds, rejected berries, small insects etc.), leaf stems diverted (solid notched roller feeders).

Sorting of berries and green waste disposal: stems, leaves, leaf stems, branches, foreign body, etc. (screen rollers with spikes). Sorting is optimised by adjusting the size of the screen to the harvest and the design of the rollers.

● Standard ○ Optional



TECHNICAL SPECIFICATIONS	Selectiv' Winery Process S	Selectiv' Winery Process M	Selectiv' Winery Process L
Rate (Manual grape harvesting)	up to 4 t/h	3 to 10 t/h	7 to 20 t/h
Rate (Mechanical grape harvesting)	-	4 to 12 t/h	10 to 25 t/h
Number of destemming modules	1	2	4
Length (overall, in mm)	2,205	2,830	2,830
Width (overall, in mm)	1,175	1,460	1,890
Difference in height between entry and exit (min.-max.) (in mm)	910-1,220	990-1,300	1,020-1,330
Total height (min-max) (mm)	1,730-2,270	1,860-2,410	1,860-2,410
Weight of machine (inclusive of all options) (in kg)	600	850	1,200
Destemming frequency	400 to 860 movements/min. (RPM)	400 to 860 movements/min. (RPM)	400 to 860 movements/min. (RPM)
Power supply	16A 3P+T in 400-480V 3-phase	16A 3P+T in 400-480V 3-phase	16A 3P+T in 400-480V 3-phase
Rated power (kW)	4.8	5.7	7.1
Material	Stainless steel 304 I	Stainless steel 304 I	Stainless steel 304 I
Configuration	Asymmetrical	LH or RH version available	LH or RH version available
Hopper 785 x 950 mm	●	●	-
Hopper 785 x 1,300 mm	-	-	●
Height-adjustable roller legs 500-1,050 mm	○	○	○
Selectiv' Process Winery support chassis above the Selectiv' Process Vision 2	-	○	-
Seed/juice trough Brush and perforated base	●	●	●
Remote ON/OFF command unit	○	○	○
Stop/start connection kit from Selectiv' Process Winery, guided by Selectiv' Process Vision 2	-	○	-

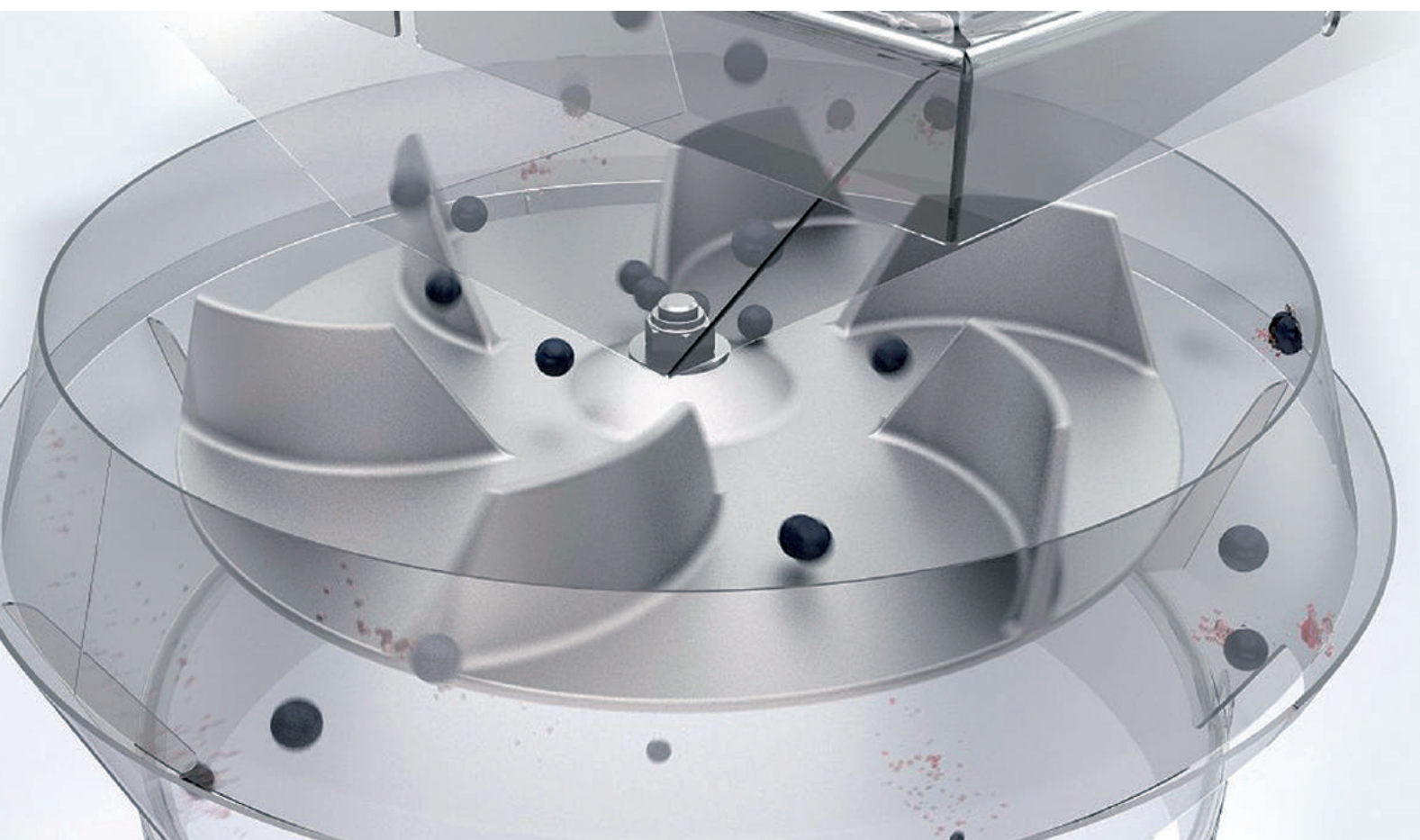
\*depending on type of vine, maturity, health, dehydration, etc.

# EXTRACTIV'

## A NEW CRUSHING CONCEPT

This new crushing concept allows optimum opening of the berries when mature, resulting in better extraction of juices, polyphenols, and aromatic compounds.

Flow rates of up to 25 tons/hour.



*"We tested the new Pellenc crusher on several varieties for our rosé, white, and red wines. Several points seduced us with this truly innovative unit: the settings are very easy to make, the system causes the berry to burst Bay in a way that is more favourable for skin maceration, the grapes are crushed in a very homogeneous manner. Cleaning is extremely easy—a simple jet of water is all that is needed!"*

**Bertrand MALOSSI**

Director of the Domaine de Valdition - Provence Region, Orgon - FRANCE



# PELLENC

## ADVANTAGES

### QUALITY

- Crushing based on berry maturity.
- Better extraction (juice, phenolic compounds, aroma precursors).
- Stabilised colour: tannins-anthocyanins combinations.
- Reduction in herbaceous taste and bitterness.

### EFFICIENT

- Up to 25 t/h.
- Open berries: increased surface of contact between the juice and the skin.
- Seeds are intact.

### COST EFFICIENCY

- Reduction of maceration time.
- Faster rotation of the fermenter.

### EASE OF USE

- Quick cleaning.
- Easy to install.
- Simple, instant adjustment.
- Easy maintenance.



*Extractiv' on drawer chassis under Selectiv' Process Winery*



*Extractiv' on roller chassis behind Selectiv' Process Vision*

**Feeding of the machine with the harvest**  
(red and white grapes)



Destemmed and sorted  
grape berries

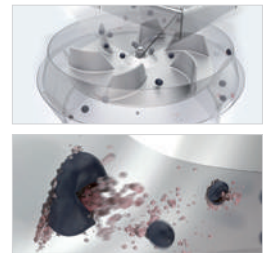


Whole bunches



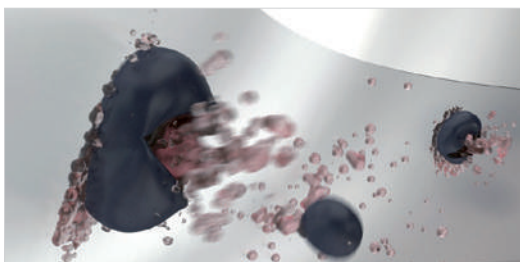
**Adjusting the intensity of crushing:**  
Adjustment of the wheel rotation speed is done with a handle to achieve the desired crushing intensity.

**Crushing wheel:**  
the berries are cast against the conical frame of the crusher.



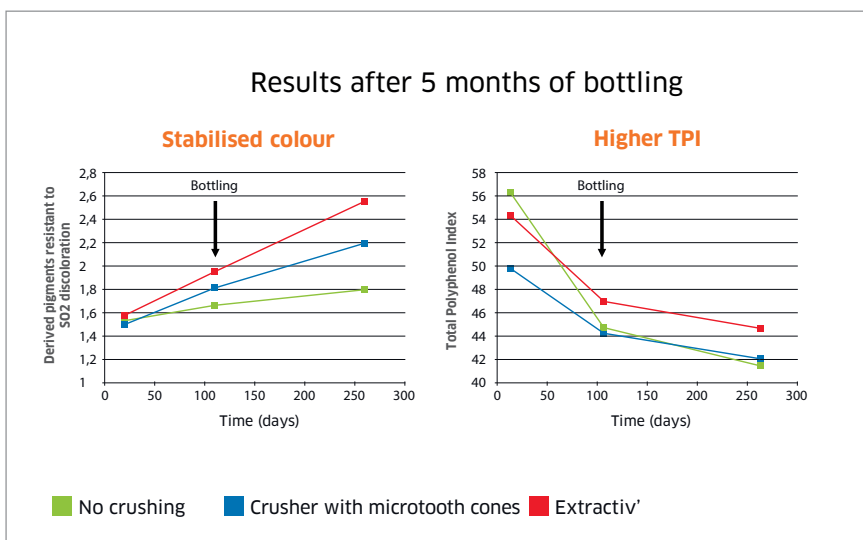
**Crushed harvest:**  
better extraction of juices and phenolic compounds.





Crushing based on berry maturity.  
 Opening of the berries: release of the juice and juice/skin contact surface is greater.  
 Better extraction of compounds of the skin (polyphenols, aromatic compounds, etc.).

Adjustments are simple and can be done in real time based on the desired crushing intensity.  
 Quick and easy cleaning.  
 Facilitated adaptation under Selectiv' Process Winery and at the Selectiv' Process Vision outlet .



Tests carried out with the INRA from 2010 to 2012



Better colour stabilisation: tannin-anthocyanin combinations  
 Total Polyphenol Index (TPI) higher after several months in the bottle



● Standard ○ Optional

TECHNICAL SPECIFICATIONS	Extractiv'
Flow rate	up to 25 t/h
Length (overall, in mm)	960
Width (overall, in mm)	650
Height (overall, in mm)	390
Crushed harvest outlet (mm)	Ø 450
Weight of machine (exclusive of options) in kg	66
Electrical power supply	16A 3P+T in 400-480V 3-phase
Rated power (kW)	1.5
Wheel-mounted support frame	○
Drawer chassis beneath Selectiv' Process Winery M & L	○
Chassis under Selectiv' Process Winery S	○
Selectiv' Process Vision adaptable hopper outlet	○



# SELECTIV' PROCESS VISION 2

## PERFECT SORTING FOR EXCEPTIONAL WINES

Visionic berry by berry sorting removes unwanted elements: green waste, foreign bodies and under-ripe or unhealthy berries.



*"Using the Selectiv' Process Vision 2 has allowed us to approach perfection. Sorting is very precise. My biggest surprise was the ease of use and especially the speed of work. Cleaning is fairly simple and is facilitated by the machine's latest innovations. This is a very effective tool for improving the quality of the harvest. It allows you to get important amounts of work done without a significant increase in workers."*

**Mathias LEVRON**

Château de Parnay - Saumur Champigny, Val de Loire - FRANCE

# PELLENC

## ADVANTAGES

### QUALITY

- Constant and complete sorting.
- Protection of the berries.
- Real-time selection of harvest sorting level depending on the quality desired.

### EFFICIENT

- 2,000 items sorted per second, up to 12 tones per hour.
- Quick and easy-to-use.
- Immediately operational, no calibration required before start-up.

### COST EFFICIENCY

- Significant reduction in labour costs.
- Best quality/price ratio on the market.
- Optimises the quality of your wines.

### EASE OF USE

- Simple adjustments made in real time: ergonomic touch interface.
- Quick and easy cleaning (15 minutes) with the built-in pre-cleaning system.
- Sorting chain can be managed by a single person.
- Easy displacement between wineries.



*Distribution belt and berry accelerator*



*Perfect quality*



*Fast and easy cleaning*

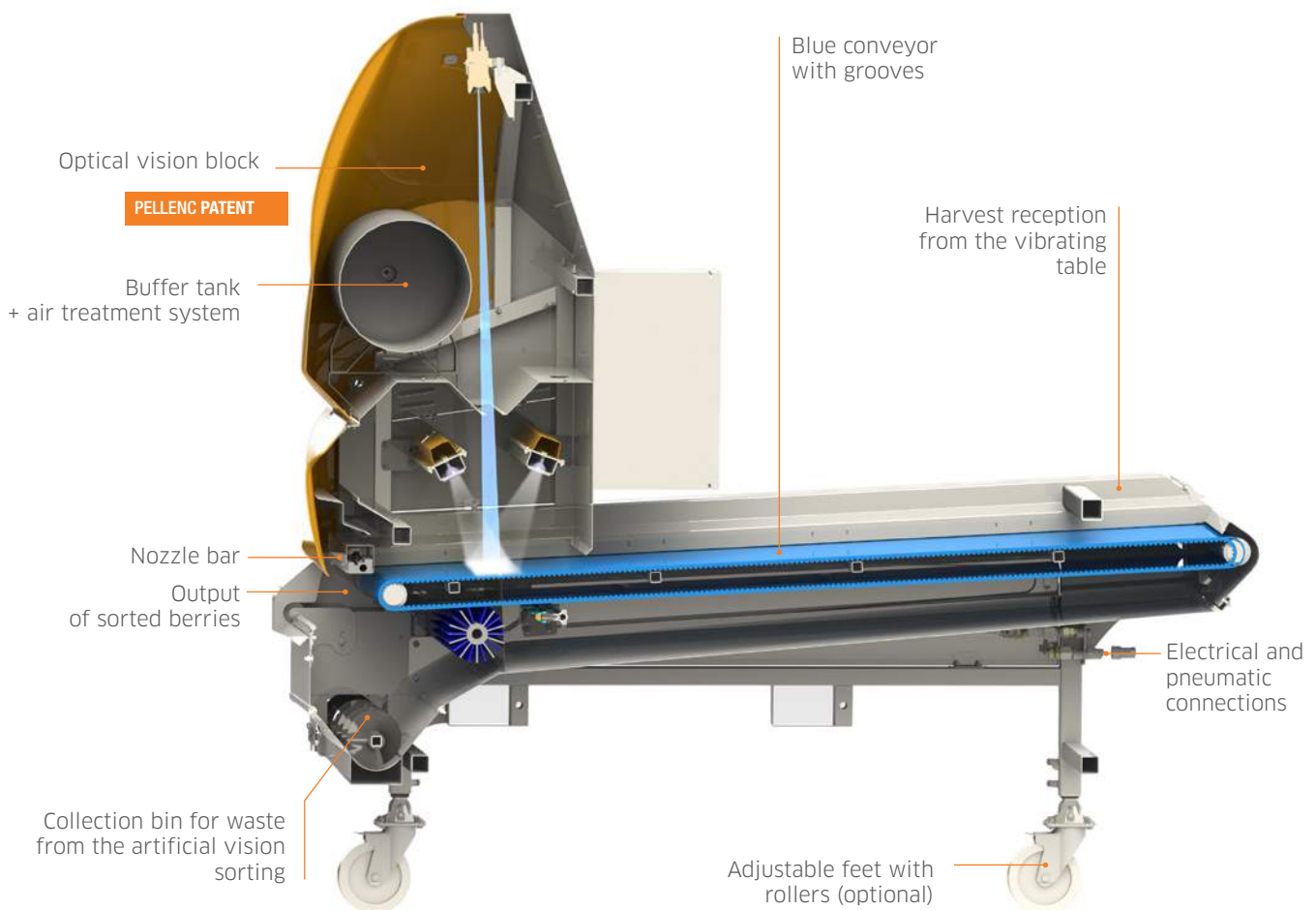




Sélectiv'Process Vision 2 in wash mode



Simple and intuitive settings made with the touch interface



Sorted harvest



Waste disposed of

### Incredibly high quality harvest!

Perfect sorting that has a direct, positive effect on the quality of the wine.

Improvement	Reduction
Complexity and aromatic intensity	Herbaceous character
Amount in the mouth	Bitterness
Suppleness of the tannins	Astringency
Purer wines	Dryness

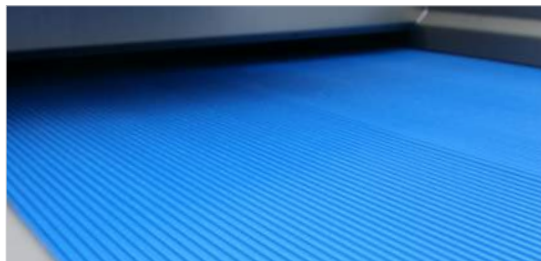


# BERRY BY BERRY SORTING ACCESSIBLE TO ALL!

## 1 - Preparation of the harvest

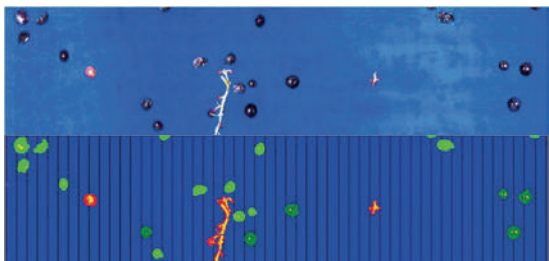


Draining, distribution across the width, elimination of small waste: optimised sorting (vibrating table).

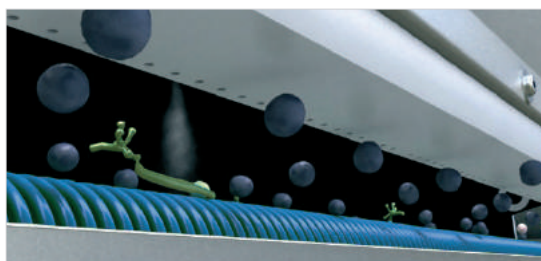


Stabilisation of the harvest and alignment of objects in front of the nozzles to improve sorting accuracy (blue conveyor with grooves).

## 2 - Analysis and Sorting



The camera continuously films the harvest of the conveyor. The PELLENC sorting software analyses the images depending on the level of sorting selected (vision block).



The nozzles eject unwanted items of the harvest (green waste, berries that are unripe or in poor health, dried grapes, etc.) via the bar of compressed air nozzles.

● Standard ○ Optional



TECHNICAL SPECIFICATIONS	Selectiv' Process Vision 2	Vibrating table
Length (mm)	2,740	1,670
Width (mm)	1,875	1,540
Difference in height between entry and exit (mm)	345	-
Total height (min-max) (mm)	2,540-2,960	1,290-1,730
Height of grape outlet (min-max) (mm)	780-1,200	1,110-1,550
Weight of machine (without options) in kg	820	255
Conveyor speed (m/s)	2.4	-
Power supply	16A 3P +N+ T in 400 V 3-phase	16A 3P + T in 400 V 3-phase
Rated power (kW)	4.5	0.6
Material	Stainless steel 304 l	Stainless steel 304 l
Performance (depending on grape variety, ripeness, health, water stress and required sorting quality)	up to 12 t/h	up to 12 t/h
Pneumatic fermentation vat (90 l) + air treatment	●	-
In place pre-cleaning	●	-
Waste collection bin with evacuation screw	●	-
4 adjustable feet with wheels	○	●
Control of peripheral systems (conveyors, SP Winery, etc.)	○	-

# PERA-PELLENC

## A STEP CLOSER TO OENOLOGY

PERA-PELLENC, the 14<sup>th</sup> subsidiary of the PELLENC group, is a French company that specialises in winery equipment and processes. Since 1896, PERA-PELLENC has been accompanying you with your winery projects. PERA-PELLENC designs and manufactures a full range of equipment suited to all wineries. PERA-PELLENC offers turnkey solutions, drawing on its expertise in the area.

For more information visit our website: [www.pera.fr](http://www.pera.fr)



*The headquarters of PERA-PELLENC in Florensac (34) - France*



# PERA SERVICES

## YOUR GUARANTEE OF PEACE OF MIND

From the start of the project, PERA-PELLENC's experts assist you to satisfy your needs and optimise your processes.



### ENGINEERING

PERA-PELLENC experts develop turnkey solutions to meet your expectations. A full team of engineers, designers, automation experts works on the design and integration of all processes of your winery. From the start of your project, our experts offer you the best solution. We design your facilities and supervise the work on site.



### AFTER SALES SERVICE

Our team of after sales service technicians ensures the instalment, maintenance and support of facilities during harvesting season. We have experts spread across all regions of the world—wherever you are, they are nearby to offer you maximum responsiveness.



### OENOLOGICAL SUPPORT

Our oenology engineers accompany you from the start of your project to better adapt the process to suit your needs. Support during the winemaking process offers you an accompaniment on the use of the equipment and production of wines that meet consumer expectations.



# A FULL RANGE OF EQUIPMENT TO SUPPORT WINEMAKERS



## RECEPTION

- Hoppers
- Destemmers
- Sorting
- Pumps
- Crushers
- Stem grinders



## PRESSING

- 220 to 600 hl range:
- Open cage (20-150 hl)
- Closed cage (20-600 hl)
- Protection against oxidation:  
ENOXY, ENOXY+



## THERMOVINIFICATION

Heating the harvest  
Dynamic exchanger  
Gulfstream  
Flash release  
Flash pasteurisation



## COLD

Harvest cooling of must and wine Green Cryo,  
tubular exchangers  
Management of the temperature in the tanks  
Management of the ambient conditions in the buildings





# FRUIT-GROWING



# PELLENC PRODUCTS

## FRUIT GROWING: PRUNING

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### Prunion pruning shear page 152

The most innovative tool on the market—ideal for fruit growers seeking power, lightness and comfort.

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### Treelion pole pruner page 156

Range of pruning shears designed for professionals looking for power, large cutting diameter, and productivity.

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### Selion M12 chainsaw pruner page 160

The Selion M12 is the lightest hand-held pruner on the market with exceptional cutting quality and ease of handling.

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### Selion pole pruner page 164

Selion fixed and telescopic pole chainsaws are powerful, extremely light and easy-to-use.

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## OLIVE: HARVESTING



### Olivion shaker rake page 168

Harvest 100 % of your olives whatever the variety and ripeness.



### Front-mounted shaker page 172

The variable frequency is shaking the olives off the tree.



### Buggy 5000 page 176

The self-propelled trunk shaker ensures effective, quick and quality picking.



### MAVO - SELF PROPELLED OLIVE HARVESTER page 180

The lightest carrier on the market, suitable for all types of orchard.



### TOWED OLIVE HARVESTER page 184

The only olives harvester specially designed for super-intensive plantations.



# PRUNION

## PERFECT TREE PRUNING

The PRUNION pruning shear is ideal for growers looking for the most powerful, lightest and most innovative tool on the market. Its grip, which suits everyone, and its significant cutting diameter makes it comfortable to prune with. The innovations of this pruning shears make it indispensable for all pruners seeking either freedom of movement with the 150P pocket or for alternating work with the 250 battery that allows you to connect two PELLENC tools simultaneously.



*"The PRUNION tree pruning shears makes it possible to cut larger sections measuring 40-45 mm. It offers more comfort than manual shears. The battery is very light, it is no longer noticeable."*

Babylonstoren - PAARL  
SOUTH AFRICA

# PELLENC

## ADVANTAGES

### PROFESSIONAL

- Power and great handling for intensive work even with thick branches.
- PELLENC-PRADINES cutting head.
- High performance motor: 92%.
- Precise blade position management.
- A compact pruner, that is handy and suitable for all hand sizes.

### PROFITABLE

- The cheapest Professional pruner on the market.
- Adapts to your pruning habits thanks to different cutting modes.

### LIGHTWEIGHT

- The lightest tree pruner on the market: 860g.
- A concentrate of power for a full pruning day: 845g for the 150P battery (special for citrus fruit trees), 1,680g for the 250 battery.

### INNOVATIVE

- Optical trigger for natural control of the half-opening.
- The blade can be removed without tools.
- Alternation of work using the dual connector on the 250 battery.



PELLENC-PRADINES cutting head



PRUNION with the 250 battery



Optical trigger



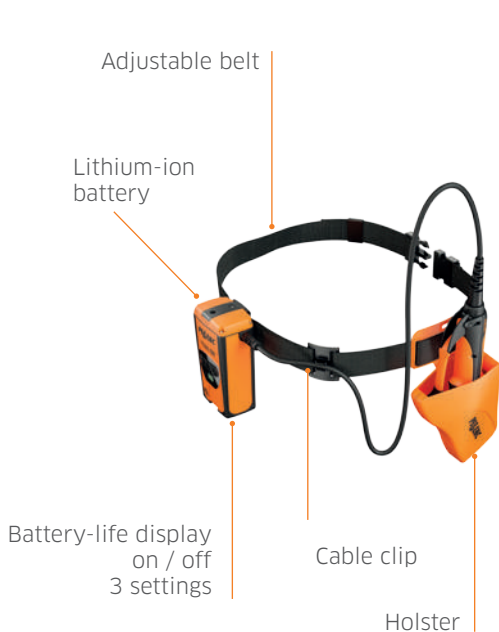
SITEVI  
2015  
SILVER MEDAL





**150 P BATTERY (special for citrus)**  
Lightweight and compact

**250 BATTERY**  
Extra comfortable harness



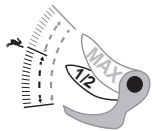


# OFFERS SUITED TO YOUR NEEDS



\*Average battery-life observed

## 4 OPERATING MODES



**PERFORMANCE**  
Progressive fast with half-opening



**COMFORT**  
Progressive with half opening



**ON-OFF**  
Fast with half-opening



**PROGRESSIVE\***  
Fast without half opening

\*only with the 250 battery

CHARACTERISTICS OF THE PRUNING SHEARS	PRUNION
Blade opening (mm)	67
Cutting diameter (mm)	45
Weight of the shears (g)	860
Motor speed (rpm)	21,000
Length (mm)	298
Ovalised handle diameter (h x l) (mm)	41 x 38
Optical trigger	•
Standby	•
Blade change without tools	•
Engine cooling system	•
Compatible batteries	150P/250

• Standard equipment

CHARACTERISTICS OF THE BATTERY	150P	250
Weight (g)	845	1,680
Maximum power (w)	1,730	1,730
Average lifetime - (cycles)	800	1,000
Carrying	Belt	Harness
Average Battery-life - PRUNION	9 h*	12 h*
Average Battery-life - PRUNION + M12 chainsaw	-	9 h*
Multi tools mode	•	•
Management of usage modes	•	•
NFC/RFID	•	•
Full charge	8 h	5 h

• Standard equipment

\*depending on the storage/charging/usage conditions

- Not available

# TREELION POLE PROVEN VERSATILITY



The Treelion range of pruning shears was designed for professionals looking for power, large cutting diameter, and productivity with unbeatable work quality.



*"My job is to prune olive trees in the most remote locations and on different continents. This is why I need reliable and safe shears for my work. My Treelion M45 shears not only give me peace of mind and the professional reliability I am looking for, they are also a pleasure to work with"*

**Chris BUTLER**  
Head of production of the Wine-making estates  
CEO and founder of *Olives Masters* - Italy



# PELLENC ADVANTAGES

## COST EFFICIENCY

- PELLENC Brushless electric motor—frictionless, very high efficiency, maintenance-free.
- No compressor or hydraulic unit.
- Perfect for intensive pruning.
- Stand-alone or adaptable version.
- PELLENC ULiB multifunction battery

## EFFICIENT

- The most powerful shears on the market for top cutting quality and intensive work.
- Cutting diameter up to 45 mm.
- A minimum of 1 full day's work with the 250 battery and up to 5 days with a multifunction battery.

## ERGONOMIC

- Three modes of operation: continuous, pulse, and intermediate/wide opening.
- Adjustable blade overlap.
- 3 two-handed pole models for working at height and improved precision of movement.
- Handles and cutting heads swivel for left-handers.
- Automatic safety standby.

## ECO-FRIENDLY

- Zero emissions.
- Silent.



*Pruning a fruit tree*



*Pruning an olive tree with the TREELION pole model*





### Double trigger

Switch from an intermediate to a wide opening with a single press of a button.

Speed and ease of use

PELLENC PATENT



### Double handle

- 3 two-handed models
- Highly accurate
- Right-handed/left-handed use
- For working at height or in dense vegetation.

PELLENC PATENT



### 3 operating modes

- **Continuous:** for finishing work
- **Pulse:** for quick, repeated cuts
- **Wide opening:** in pulse mode, one press on the small trigger allows maximum opening.

PELLENC PATENT



### Flexibility of use

#### Pruning shears settings:

- Blade opening angle: 5 intermediate opening positions
- Blade overlap angle 6 blade overlap and hook positions.

PELLENC PATENT



MULTIFUNCTION BATTERIES				
ULiB	250	400	Olivion	700
Battery-life***	Up to 12 h	Up to 3 days	Up to 4 or 5 days	Up to 4 or 5 days



• Standard equipment

TECHNICAL CHARACTERISTICS	D45-1500	D45-900	D45-700
Max. power - W	1,000	1,000	1,000
Weight - kg	1.9	1.7	1.6
Motor speed - rpm	18,000	18,000	18,000
Length - mm	1,500	900	700
Blade opening - mm	65	65	65
Cutting diameter - mm	45	45	45
Noise level (LpA)* - dB(A)	≤ 70	≤ 70	≤ 70
Guaranteed sound level (LWA)* - dB(A)	≤ 81	≤ 81	≤ 81
Vibration level (a <sub>v</sub> )** - m/s <sup>2</sup>	≤ 2.5	≤ 2.5	≤ 2.5
Automatic standby mode	•	•	•
Double trigger	•	•	•
3 operating modes	•	•	•
Electronic blade adjustment	•	•	•
Rotating cutting head and handle	•	•	•
Holster	-	-	-
Carrying case	-	-	-
Operates on 200 ULiB	-	-	-
Operates on all PELLENC ULiB	•	•	•

\* Values of acoustic measures according to the Directive EN 60745-1: 2009 + A11: 2010 – uncertainty according to ISO4871 = 3dB  
 \*\* Vibration emission values according to EN60745-1: 2009 + A11: 2010 – uncertainty = 1.5 m/s<sup>2</sup>

# SELION M12

## PRECISION AND EASY HANDLING FOR EFFECTIVE CURETTAGE

The Selion M12 is the lightest chainsaw pruner on the market with exceptional cutting quality and ease of handling.



*"One of the advantages is being able to use multiple devices with the same battery. For example, olive-growers can use the M45 shears, the Selion M12 chainsaw pruner and the OLIVION shaker rake with the same battery."*

**William MAURY**  
Olive-Grower - ITALY



# PELENC

## ADVANTAGES

### COST EFFICIENCY

- Zero fuel consumption.
- PELLENC Brushless electric motor—frictionless, very high efficiency, maintenance-free.
- Outstanding lifespan: PELLENC Brushless motor runs at 5,400 rpm with no wear, or sparks and develops maximum power in a minimum size.
- Consumes 30% less oil than a thermal tool.

### EFFICIENT

- Exceptional cutting quality and precision with the Carving guide specifically for pruning.
- Work up to a full day without recharging depending on the battery chosen.
- A chainsaw pruning tool for pruning branches up to 15cm in diameter for vineyards and orchards.
- Automatic chain tension.

### ERGONOMIC

- Ergonomic, easy-grip handle.
- Electronic chain brake for working safely.
- The design of the guide and OREGON chain limit the kickback phenomenon.
- Ultra-lightweight tool 1,700 g.
- Integrated retractable key for adjusting chain tension.
- Lateral sawdust ejection.

### ECO-FRIENDLY

- Zero emissions and zero waste.
- No unpleasant noise pollution or odours.



*Pruning a fruit-tree in an orchard*



*Light and easy to handle, ideal for the maintenance of your trees or vines*



**AGRILEVANTE**  
2011  
TECHNICAL INNOVATION  
AWARD



**VINITECH**  
2010  
BRONZE MEDAL



**SIVAL**  
2011  
DISTINCTION



## Safety

Safety is a priority and PELLENC has developed 4 innovations to help protect the user:

- 1 - The kickback sensor with electronic start-up: this device instantly triggers an electric chain brake in the event of a fall or kickback, and is 8 times more sensitive than a petrol-operated chainsaw chain brake.
- 2 - The double-press start-up trigger prevents accidental start-up of the chainsaw.
- 3 - The self-diagnostic tool: SELION checks that the electronic kickback sensor is operational upon start-up. If it is operational, the machine is able to function!
- 4 - Low kick-back OREGON® chains: the kickback phenomenon, if it does occur, will be much less violent.

## Patents



### Integrated retractable key

For tightening the chain and quick access to the pin and chain.

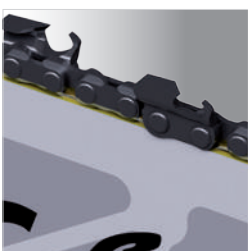
PELLENC PATENT



### Automatic chain tension

The chain guide is mounted on a spring that automatically tightens the chain.

PELLENC PATENT



### Electronic management of oil flow

The lubrication of the chain is adjusted according to the effort required.

PELLENC PATENT



### Electronic chain brake switching

The chain brake activates instantaneously in the event of a fall or kickback.


PELLENC PATENT



MULTIFUNCTION BATTERIES				
ULiB	250	400	Olivion	700
Battery-life***	Up to 2 h	Up to 3 h	Up to 1 day	Up to 1 day

## TWO CHAIN GUIDES AS NEEDED


### 6" CARVING GUIDE



Ref.: 80343  
Sold as standard

- Profiled guide for cutting and sculpting wood.

### 8 CM BLADE



Ref.: 78790  
Comes standard while stocks last.

- 15 cm guide made of composite material.

- Standard equipment

TECHNICAL SPECIFICATIONS	SELION M12
Max. power - W	1,200
Petrol motor equivalence - cm <sup>3</sup>	30
Weight - kg	1.7
Motor speed - rpm	5,400
Chain speed - m/s	10.3
Guide length - cm / inches	15 / 6"
Oregon chain Pitch	¼"
Type/number of links	25AP / 42E
Pins	9, ¼" teeth
Tank capacity - cl	7
Noise level (LpA)* - dB(A)	86
Guaranteed sound level (LWA)* - dB(A)	96
Front handle vibration level (a <sub>h</sub> )** - m/s <sup>2</sup>	2.8
Peristaltic pump	•
Automatic chain tensioner	•
Integrated retractable key	•
Electronic chain brake	•
Carrying case	•

\* Values determined according to the acoustic measurement standards DIN EN ISO 3744:1995 and DIN EN ISO 11201:1996

\*\* Vibration emission value according to DIN EN 60745-2-13: 2008 - Uncertainty Kd = 1.5 m/s<sup>2</sup>

\*\*\* For information: the times were observed in actual working time, without taking breaks into consideration.

Battery-life is influenced by the nature of the work required



# SELION POLE PRUNER

## PRUNING MADE EASY AND COMFORTABLE

SELION fixed and telescopic pole chainsaws are powerful, extremely light and easy-to-use.



*"I use PELLENC equipment, notably 36 Olivion, 10 Selion pole pruner and 20 Lixion. Since 2006, our interest in these products has continued to grow, given their technological innovation which meets the present and future needs of our viticulture and olive growing production processes."*

**Abdelaziz EL KOUANE**

Head of production of the Wine-making estates  
of the Brahim Zniber Group - MOROCCO



# PELENC ADVANTAGES

## COST EFFICIENCY

- Zero fuel consumption.
- PELLENC Brushless electric motor—frictionless, very high efficiency, maintenance-free.
- Outstanding lifespan: PELLENC Brushless motor runs at 5,400 rpm, with no wear or sparks.
- Uses 30% less oil than a petrol engine tool.

## EFFICIENT

- Dimensions specifically designed for orchards.
- Work non-stop for an entire day without recharging depending on the battery chosen.
- Work up to 4.50 m in height from the ground.
- Maximum power for minimum size!  
1,200 W (30 cm<sup>3</sup> equivalent).
- Automatic chain tension.

## ERGONOMIC

- 3 pole models.
- The OREGON chain limits kickback.
- Lightweight tool: 2.8 kg for the P180.
- Integrated retractable key for the chain tightening.
- Multiposition head can be tilted +90°/-45°.
- 2 telescopic pole models with quick adjustment.

## ECO-FRIENDLY

- Uses PELLENC biodegradable oil.
- Zero emissions.
- Silent.



**FOREXPO**

DISTINCTION

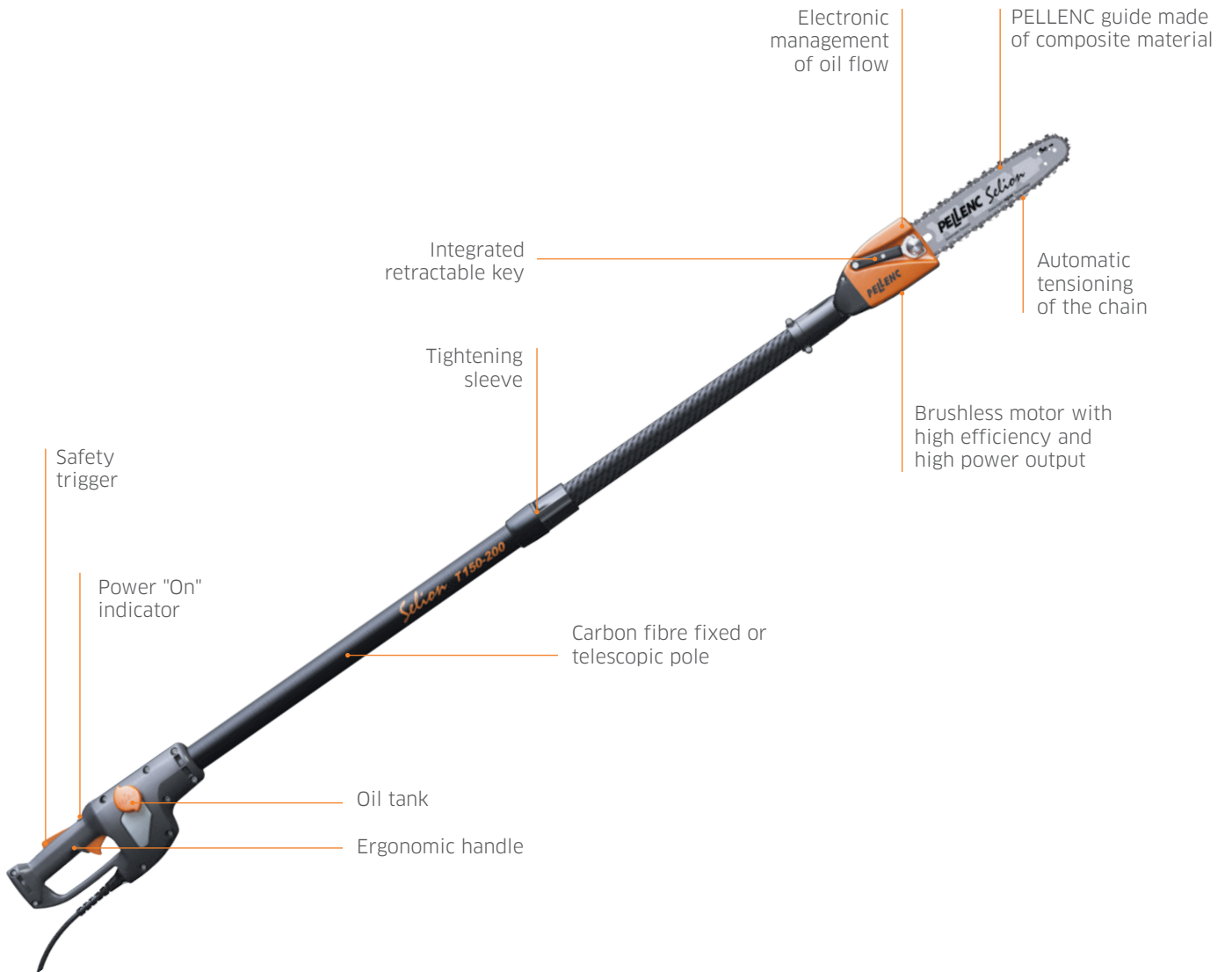
"SAFETY AND WORKING CONDITIONS"



*Perfect balance for working comfortably over long hours.*



*Clean, accurate, and fast cut*



**Automatic chain tension**

The chain guide is mounted on a spring that automatically tightens the chain.

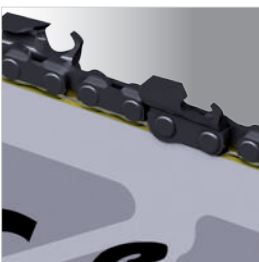
PELLENC PATENT



**Integrated retractable key**

For tightening the chain and quick access to the pin and chain.

PELLENC PATENT



**Electronic management of oil flow**

The lubrication of the chain is adjusted according to the effort required.

PELLENC PATENT



**Multi-position tilting head**

With its tilting head (+90°/-45°), the tool easily adapts to the working environment.





MULTIFUNCTION BATTERIES				
ULiB	250	400	Olivion	700
Battery-life***	Up to 2 h	Up to 3 h	Up to 1 day	Up to 1 day



- Standard equipment

TECHNICAL SPECIFICATIONS	T220/300	T150/200	P180
Max. power - W	1,200	1,200	1,200
Petrol motor equivalence - cm <sup>3</sup>	30	30	30
Weight - kg	3.4	2.9	2.8
Motor speed - rpm	5,200	5,200	5,200
Length of the pole - cm	220 to 300	150 to 200	180
Chain speed - m/s	10.3	10.3	10.3
Guide length - cm / inches	25 / 10"	25 / 10"	25 / 10"
Oregon chain Pitch Type / Number of links	¼" 25AP / 58E	¼" 25AP / 58E	¼" 25AP / 58E
Pins	9 ¼" teeth	9 ¼" teeth	9 ¼" teeth
Tank capacity - cl	25	25	25
Noise level (LpA)* - dB(A)	80	82	84
Guaranteed sound level (LWA)* - dB(A)	93	91	91
Vibration level (a <sub>v</sub> )** - m/s <sup>2</sup>	≤ 2.5	≤ 2.5	≤ 2.5
Multi-position tilting head.	+90°/-45°	+90°/-45°	+90°/-45°
Telescopic pole	•	•	-
Peristaltic pump	•	•	•
Automatic chain tensioner	•	•	•
Integrated retractable key	•	•	•

\*Values determined according to the acoustic measurement standards DIN EN ISO 11680-1:2002/2009 – Value increased by K=2.5 according to ISO 4871

\*\* Vibration emission value following DIN EN ISO 11,680-1:2002/2009 - Kd uncertainty = 1.5 m/s<sup>2</sup>

\*\*\* For information: the times were observed in actual working time, without taking breaks into consideration. Battery-life is influenced by the nature of the work required

# OLIVION

## OLIVE HARVESTING TOOL



Professional product, excellent return on investment, ultra-lightweight with exceptional handling. It uses a PELLENC multifunction battery or a 12 V battery converter (the kind used in a car).



*"The Olivion is a high performance tool. I'm very satisfied with the productivity and it doesn't damage the tree branches at all. With Olivion, I don't have to harvest manually. Additionally, one of PELLENC's big advantages is the fact that the tool is battery operated — that means that pollution and noise are reduced to a minimum."*

**Manuela DAINELLI**  
Olive growing employee ITALY



# PELLENC ADVANTAGES

## COST EFFICIENCY

- Fastest in its class: 4-8 times faster than manual harvesting.
- Zero fuel consumption.
- High efficiency, maintenance-free electric motor.
- Reduced maintenance costs.
- Reduced investment for small farms thanks to the 12/44V PELLENC converter.

## EFFICIENT

- Easy-to-use.
- Perfect for green, ripe, and table olives.
- Foam prongs option for picking soft fruit and table olives.
- Very powerful (380W).
- Carbon fibre fingers allow better penetration into the tree's foliage.
- Work non-stop a full day without recharging!

## ERGONOMIC

- Ultra-lightweight (2.5 kg to 3.2 kg respectively for the fixed and telescopic model).
- Ergonomic handle with a vibration isolation system for enhanced user comfort. The handle rotates for better progression into the tree's foliage.

## ECO-FRIENDLY

- Zero emissions.
- Silent.
- Preserves the tree and the fruit.

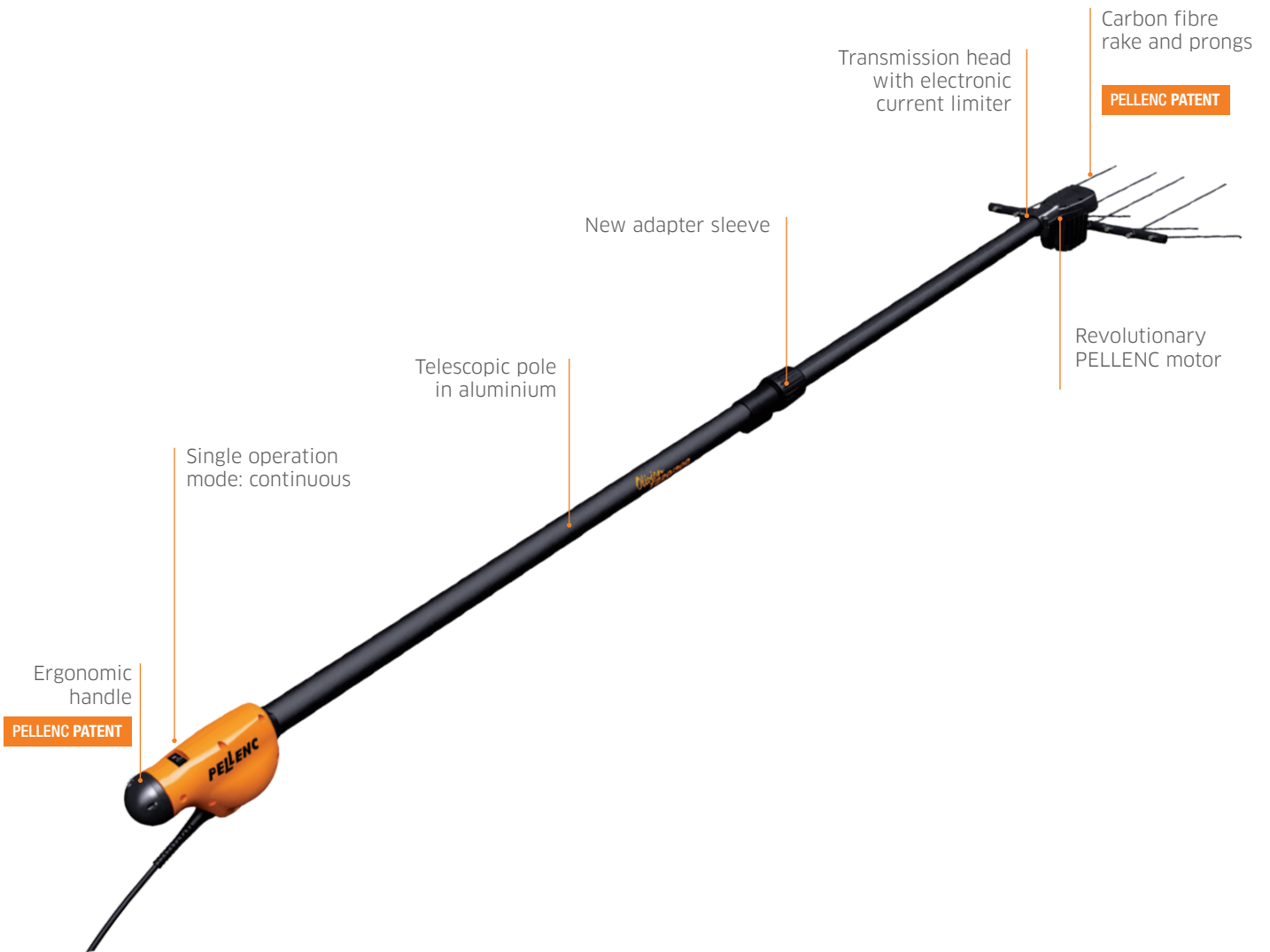


Using the 400 Battery



Work without carrying a battery on the back with the 12-meter long extension cord





### Rotating, ergonomic handle

Vibration isolation system for enhanced user comfort and better progression into the tree's foliage.

PELLENC PATENT



### Simple operating mode

Single switch for operating in continuous mode.

Starts with the single press of the switch.



### Tilting rake

Two different positions based on olives variety. The straight rake position is recommended for varieties that tend to be more difficult to harvest.



### New tightening clamp for the telescopic pole

Blocking of the pole, with no possible rotation between the tubes.

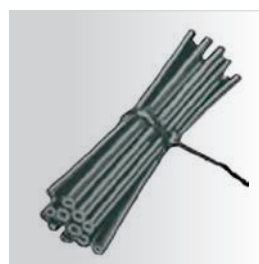


MULTIFUNCTION BATTERIES				
ULiB	400	Olivion	700	1 100
Battery-life***	Up to 4 h	Up to 1 day	Up to 1 day	Up to 1.5 day



### Extension cable (optional)

10.30 m male/female lead means you can work around the tree with the battery on the ground.



### Prong cover kit

Cushioning prong covers for protecting fragile and sensitive varieties are available as an option.



12/44 V Converter

### Choice of power supplies

OLMION can be used with the PELLENC ULiB battery or a 12 V battery with a converter and 12m of cable.



- Standard equipment

TECHNICAL CHARACTERISTICS	P230	T220/300
Max. power - W	380	380
Weight - kg	2.5	3.2
Width of rake - cm	38	38
Speed - strokes/min.	840	840
Pole	Fixed	Telescopic
Length - cm	230	220 to 300
Noise level (LpA)* - dB(A)	81	81
Guaranteed sound level (LWA)* - dB(A)	90	90
Vibration level (a <sub>v</sub> )** - m/s <sup>2</sup>	9.9	9.9
Vibration level with pole extended (a <sub>v</sub> )** - m/s <sup>2</sup>	-	11.2
Continuous mode	•	•
2-position rake	•	•
Compatible 12 V batteries (with the 12/44 V converter)	•	•

\* Values of acoustic measures according to the Directive EN 50260-1: 2005 - Uncertainty according to ISO 4871

\*\* Vibration emission value following EN 50260-1: 2005 - Kd uncertainty = 1.5 m/s<sup>2</sup>

\*\*\* For information: the times were observed in actual working time, without taking breaks into consideration. Battery-life is influenced by the nature of the work required

# TRACTOR MOUNTED SHAKER

## EFFICIENT AND COST EFFECTIVE HARVESTING

PELLENC's expertise in shaking is available for tractor couplings.  
The pinch grip technology offers robust yield while protecting the tree.



*"We have had our F100 FRONTAL SHAKER for two years now and are very satisfied with its performance. The three-point pinch grip system in combination with the important clamping force allows the F100 to vibrate effectively, reducing the time spent at each tree. The cost of harvesting is significantly lower (labour accounts for over 50% of the cost of manual harvesting). The pressure and stress of harvesting is also reduced and I can select the optimum harvest days and quickly respond in case of frost."*

**Mr DENNIS**

Domaine Chapelle de Beaulieu  
Mirabel aux baronnies, Rhône-Alpes - FRANCE



# PELLENC ADVANTAGES

## COST EFFICIENCY

- Tilt pinch grip, moves quickly from trunk to trunk.
- Compatible with low-power tractors.
- With the telescopic arm, the operator does not drive on the fallen fruits.
- In addition to olives, cherries (for jams or preserved fruit), almonds, walnuts, juicing oranges, and plums, among others can be harvested.

## EFFICIENT

- Range adapted to your needs and plantations
- Up to 99% of the olives harvested depending on the variety, pruning method, and ripeness of the fruit.

## ERGONOMIC

- Intuitive handling.
- All commands are readily available.
- Excellent view of the pinch grip from the cab.

## ECO-FRIENDLY

- Long-lasting protection of your trees.



*Work quickly, efficiently and in a tree-friendly manner*



*Wide clearance, the tractor does not drive over the olives that have fallen to the ground*



*F100 with three-jaw pinch grip*

## 2 front-mounted shakers with a choice of:

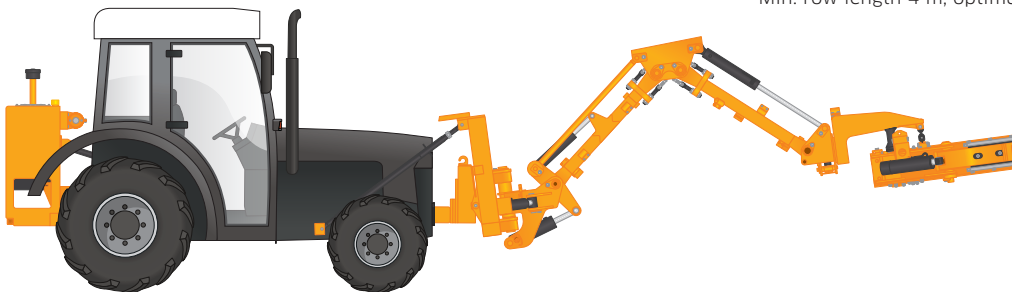
- Hydraulic command of the functions
- Universal 3-point rear hydraulic unit
- Set of cushions and flaps



### Front coupling on tractor

F100 - Large-scale cultivation

Min. inter-row distance of 5 m, optimum 7 m  
Min. row length 4 m, optimum 6 m



### Grip holder chassis to be adapted on front loader tractors

FB15 - Suitable for all types of crops

Min. inter-row distance of 8 m  
Min. row length minimum 6 m





## Intuitive controls

Only four levers control everything.

Hydraulic control: very good progressiveness of commands for a specific job.

Continuously adjustable vibration frequency.



## Lateral rotation of the F100 arm

45° to the right and 14° to the left.

Exceptional visibility on the trunk to be worked.

Change position in 2 seconds.



● Standard ○ Optional

TECHNICAL SPECIFICATIONS	F100	FB15
Length - m	3.40	2.23
Width - m	1.30	1.72
Height - m	2.35	1.5
Max. working height	2.50	2.50
Extended arm range - m	2.75	0.50
Tractor required	Standard 90/100 HP	Standard 90/120 HP
Power consumption PTO	65 HP at 540 rpm	85 HP at 540 rpm
Trunk diameter	50 to 550 mm	80 to 500 mm
Pinch Grip with 3 mobile jaws	3 mobile jaws	CB15
Set of cushioning and covers	●	●
Pinch Grip tilting	+/- 40°	+/- 30°
Vibration frequency	Adjustable from 0 to 31Hz	Adjustable from 0 to 31Hz
Total weight - kg	950	1250
Usage	Multi-trunk and single-trunk	Single-trunk
Pre-cut plate for tractor adaptation	●	-
Plate for front-loader adaptation	-	●
Hydraulic operation controls	●	●
Rear 3-point hydraulic unit	●	●



## BUGGY 5000

# SELF-PROPELLED SHAKER FOR EFFICIENT, INTENSIVE, QUICK AND QUALITATIVE HARVESTING

The PELLENC buggy is a concentrate of Pellenc long experience in olive orchards. It is operator friendly while being gentle on the trees.



*"The choice of vibration sequences ensures that almost 100% of the olives are picked, even with our varieties (Picholine and Aglandau) that are known to be very difficult to detach in addition to an early harvest. The complete range of cushions and flaps allows us to work quickly and without damaging the bark, whatever the harvest period or age and size of trees The harvesting time that is now saved allows us to offer our services in the neighbouring orchards."*

**Gilles BRUN**

Le Moulin du Calanquet - Saint Rémy de Provence, FRANCE



# PELLENC

## ADVANTAGES

### COST EFFICIENCY

- Harvest up to 1,200 trees per day.
- Works on young trees as well as centuries-old trees.

### EFFICIENT

- Up to 99% olives harvested depending on the variety, pruning method and ripeness.
- Very low centre of gravity to work on gradients (up to 60%) and slopes (up to 45%).
- 3 speeds to choose from: slow - medium - fast, to adapt to all conditions.

### ERGONOMIC

- The on-board control makes it easy to operate even for inexperienced operators.
- 1 joystick for flexible and precise arm and pinch grip.
- In addition to olives, cherries, almonds, walnuts, oranges, and plums, among others, can be harvested.
- Roll bars protect the operator.

### ECO-FRIENDLY

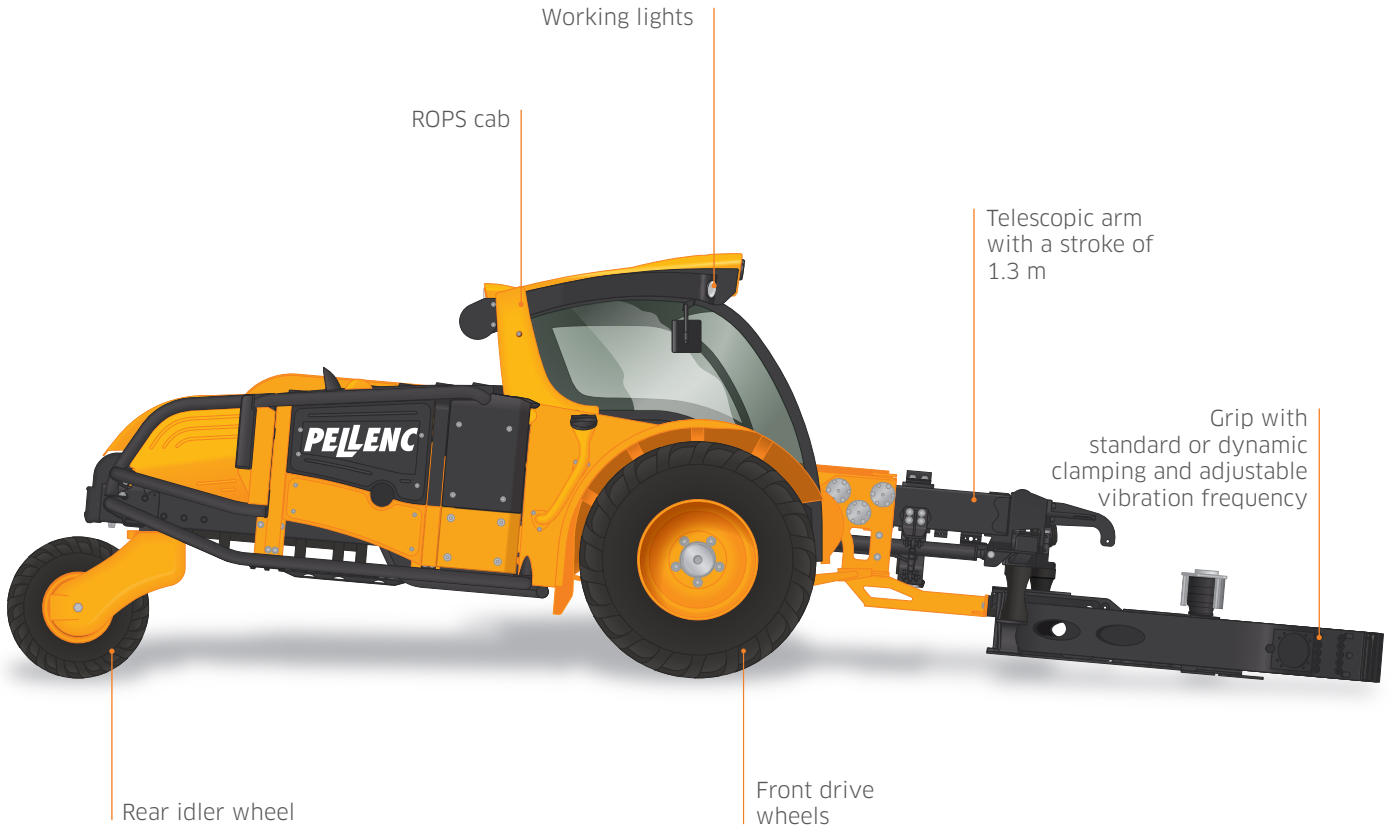
- Preserves your trees.
- Evenly distributed weight and wide tires improve respect of the soil or respect the soil.



*Lower centre of gravity, for fast work on rough terrain*



*Effective and tree-friendly shaking of the tree*



Working lights

ROPS cab

Telescopic arm with a stroke of 1.3 m

Grip with standard or dynamic clamping and adjustable vibration frequency

Rear idler wheel

Front drive wheels



414 or 421 front wheels

### Full respect of the harvest

With its telescopic arm BUGGY 5000 does not drive on fallen fruit or into the nets.



### Ergonomic cab

Sun visor.  
Anti-dust air jet.  
Noise-filtering windows.  
2 Joysticks with all controls.  
ROPS cab.



Twin front wheels 414

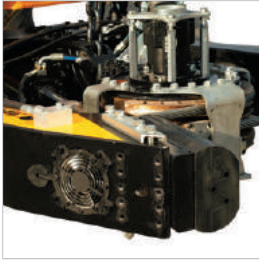
### Suits all orchards

Centered and low centre of gravity.  
2 fixed wheels at the front and one swivel wheel at the rear.  
Intuitive operation and anticipation of reactions.  
Maximum gradient: 60%.  
Maximum slope: 45%.



## OPTIONS

### Fan



For continuous cooling of the grip cushions, which tend to heat up with very intensive use.

### Cover



4 types of rubber covers:  
 - 4 mm: young trees  
 - 6 mm: young trees  
 - 10 mm: adult trees  
 - 15 mm: adult trees

### Cushions



Soft cushions for fragile trees



Hard cushions

### Grips



CB 15 pinch grip  
30 cm in diameter max.



CB 50 pinch grip  
60 cm in diameter max.



CB 80 pinch grip  
80 cm in diameter max.

### Delicate trunk kit



Protects the bark of young trees by automatically adjusting the tightness of the pinch grip.

● Standard ○ Optional



TECHNICAL SPECIFICATIONS		BUGGY MAXI 5000
Length - m		6.80
Width - m		2.48
Height - m		2.20
Weight - kg		5500
Motor		Perkins turbo 4 cylinder - 100 hp engine at 2,360 rpm
Fuel tank capacity - l		120
Hydraulic oil tank capacity - l		70
Transmission		480-bar hydrostatics - 2 independent front drive wheels
Forward speed		0 to 15 km/h in continuous mode
Forward speed modes		snail - tortoise - hare
Night-working equipment		Working lights
Integrated computer		Pinch grip force adjustment, 3 vibration modes, tree counter (daily, seasonal, total), auto-diagnostics, etc.
In-cabin comfort		Heating
In-cabin comfort		Protective leg covering
Clamping		Dynamic, with adjustable intensity
Vibration frequency		Adjustable from 0 to 31 Hertz
Pinch Grip support arm		Telescopic - reach 1.30 m
Working height - m		0 to 2.50
Lateral inclination of the pinch grips		+/- 40° - in-cab control unit
Cushioning and covers		Extensive selection available to purchase (young or fragile trees)
Rear wheel		Idler wheel, mechanically lockable in the direction of travel
Air curtain		Keeps dust out of the cabin
Fragile trunk kit (optional)		Mechanical or hydraulic grip force control unit
Pinch grip fans (optional)		Continuous cooling of cushioning

# MAVO

## OLIVE HARVESTING HEAD ON THE MULTIFUNCTION CARRIER

Special for Super High Density olive orchards. The lightest PELLENC carrier on the market with its special olive harvest head (empty weight 10.5t). It ensures a full respect of the fruits and an unrivaled work quality.



*"In 2011, the Agricultural Development Corporation El ghanima Landalous, which specialises in tree production, invested in a Pellenc olive harvester for its 150 hectares Super High Density olive orchard. After using the machine for two consecutive seasons, and done an economical study, we concluded that mechanical harvesting reduces costs by 50% compared with manual harvesting. A radical resolution of the problem of non-availability of seasonal labor."*

**Salem EL MABROUK**  
El ghanima Landalous - MOROCCO



# PELLENC

## ADVANTAGES

### COST EFFICIENCY

- Yield of up to 16t/hour.
- Forward speed of up to 4 km/h.
- 2 bins, each with a capacity of 2,700 l for a total of 3.5 tons of olives.
- Best power to efficiency ratio on the market.
- Quick and easy cleaning of the harvesting head.

### EFFICIENT

- Adjustment of the variable-frequency mechanical shaking from the cab.
- Independent adjustment of the upper and lower pinch grips. Release of olives optimised with a shaking amplitude of the upper half greater than that of the lower part.
- Assisted machine centring thanks to the positioning sensors.
- A full day's autonomy with no re-fuelling.

### ERGONOMIC

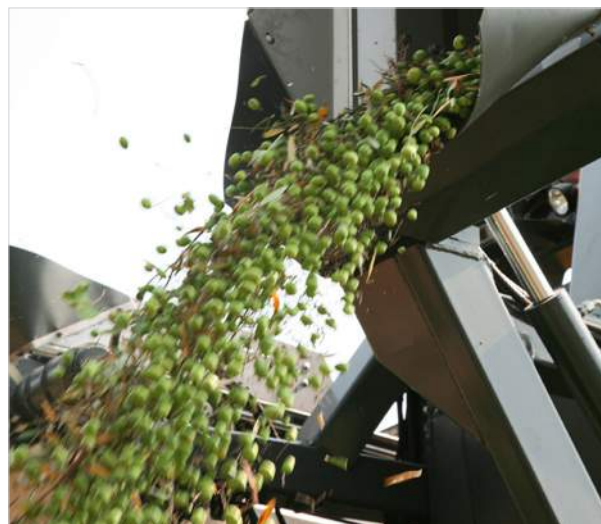
- Exceptional visibility while driving thanks to the 3 colour cameras that come as standard.
- Optimal manoeuvrability in the headland.
- Multifunction joystick with back-lit keys.

### ECO-FRIENDLY

- The lightest carrier on the market with wide tires.
- Flexible, effective, and full respect of the tree.



*Work quickly and efficiently, whatever the type of olive grove*



*Optimum harvest quality*





**Maximum cleanliness**

100% of the olives are sorted as soon as they are harvested. Branches are evacuated to the rear of the machine by the "Olicopter" rotary system. The leaves are removed at the final olive drop point by the suction fans located on the bins.



**Waterproof catcher trays**

The completely waterproof catcher trays protect the tree bark and collect a maximum fruits.



**Dynamic balancing of the head**

Optimal harvesting: the fruits are harvested in two stages, the bottom first and then the top, once the tree has recovered. The vibrations are effective but limited to protect the plant.



**Open-centre harvesting head**

The trees are protected and the tops are handled gently.

## Easy to operate



### On the road: the carrier is lowered as much as possible

The conveyors are 10 cm from the ground. Easy transport: height of 3.60 m (transport possible on standard 90 cm tank carrier).



### During harvest operation: the carrier is raised according to the canopy

Under canopy height of 2.85 m. 52 shakers for a shaking height of 3.30 m above the ground. Vertical movement of the head compared with the carrier by 65 cm (PELLENC patent) to collect and not damage the lower branches.



● Standard ○ Optional

TECHNICAL SPECIFICATIONS	MAVO
Overall width m	2.62
Inlet cone height - m	4
Shaking height above ground - m	3.3
Type of carrier	8500 Range
Motor	Tier III 6-cylinder 6,788 cc turbo engine
Engine management	Power control
Four wheel drive	●
TPI: Continuous All-Wheel-Drive system	●
Transmission	Heavy-Duty 450-bar hydrostatic two-cylinder Poclain wheel motors
Front tyres	420/70R24
Rear tyres	480/70R28 Trelleborg 600/55 X 26.5 (optional)
Electronic safety inclinometer	●
Electronic self-diagnostics	●
Work lights + rotary light	●
Automatic ground tracking	●
Sensor-controlled automatic row following	●
Height stops	●
Directional headlights	●
Pneumatic seat	●
Air-conditioned cabin	●
Double variable-frequency mechanical shaking	●
Number of picking rods	24 pairs
Bottom sealing by catcher tray + flaps	●
Lower conveyor safety locking + reverse	●
Pneumatic conveyor-sorter	●
2 leaf suction fans	●
"Olicopter" branch extractor	●
Bin capacity	2 x 2,700 litres
Bin augers	●
3 driver-assistance colour cameras	●
Video screen kit	○



# TOWED OLIVE CV5045

## A UNIQUE SOLUTION FOR SUPER HIGH DENSITY OLIVE ORCHARDS

The only towed olive harvester specially designed for super high density olive orchards. It guarantees gentle olive picking and an unrivalled harvest quality, handling of the olive trees and an unparalleled quality of work. Saves costs on manual labor—only one person is needed.





# PELLENC

## ADVANTAGES



### COST EFFICIENCY

- Save on labour costs: only one person needed for harvesting.
- Optimises the amortisation of your tractors.
- Reduce fuel consumption by 20% compared with a self-propelled machine.
- Extends the life of your orchard thanks to the oversized harvesting tunnel.
- Extends the amortisation of your plantations.

### QUALITY

- Forward speed of up to 4 km/h.
- Yield of up to 150 t/day.
- Shaking height: 3.30 m.
- 2 bins of 2400 L, up to 3 tons of olives harvested without stopping.
- Height of the inlet cone: 3.40 m.
- Olive trees of up to 4.50 m high and 2 m wide.
- Trunks diameter of up to 30 cm.
- Slope crossing of up to 10%.

### EASE OF USE

- Reduced maintenance costs.
- Few wear parts thanks to the pneumatic conveyor.
- Harvest speed of up to 150 t/day.

### SAFETY

- Two soil monitoring sensors provide instant adjustment—ideal for uneven terrain.
- High manoeuvrability: 8 m are enough for turning around thanks to the articulated drawbar.
- Work night and day thanks to the five working lights.
- Three colour cameras help with driving.
- Machine stability: low centre of gravity on the wide model.



Harvest super intensive olive plantation



Unrivalled work quality



**Perfect sealing and gentle on the trunk**  
 Cup-shaped end catcher trays.  
 Front flaps prevent losses.



**All settings can be made from the cab**  
 All commands are readily available.  
 Proportional control: fast and accurate.

## STANDARD SAFETY EQUIPMENT

Three colour cameras help with driving.

Safety inclinometer: slope of up to 10%.

2 emergency stop "strike" button on either side of the machine.

## PNEUMATIC CONVEYOR-SORTER CLEAN AND PRESERVED HARVEST

### Sort in the right place

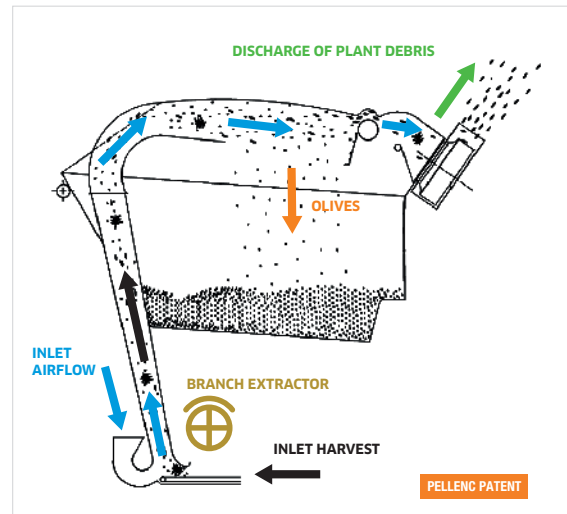
Pneumatic olive sorting at the drop point in the bins.

### The harvest is fully preserved

Transport of olives by airflow only:  
no friction associated with the conveyor.

### Extraction of large debris

Branch extractor socket inside the towed olive harvester.



● Standard ○ Optional

TOWED OLIVE HARVESTER	CV5045
Overall width (m)	2.95
Inlet cone height (in m)	3.4
Shaking height from ground (m)	3.2
Tractor power required (hp)	125
Maximum tractor width (m)	2.40
120-bar brake circuit	●
Hydraulic requirement	80 l/m at 200 bars pump LS
Number of picking rods	25 pairs
Bottom sealing by catcher tray + flaps	
Lower conveyor safety belt locking	●
Pneumatic conveyor-sorter	●
2 leaf suction fans	●
Branch extractor	●
Bin capacity	2 x 2,400 litres
Proportional control joystick	●
On board computer: acreage counter and timer	●
Sensor-controlled automatic steering	●
Automatic ground tracking	●
3 driver-assistance color cameras	●
Electronic safety inclinometer	●
Auto diagnostic of the electronics	●
Work lights + rotary light	●
480/70R28 tires	●
2 hydraulic drum brakes	●
Hydraulic viti pack	●
2 driver-assistance drive wheels	○

### Double shaking area

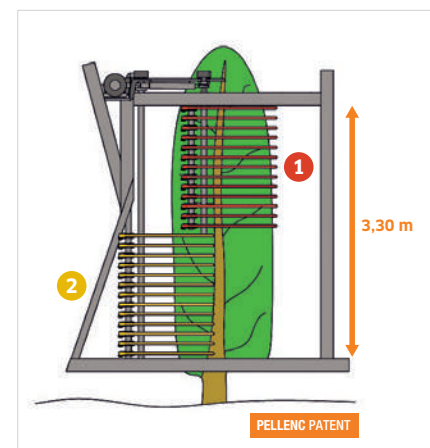
Shaking height of 3.30 m.

25 pairs of shakers.

Frequency and amplitude independently adjustable up/down.

The tree is harvested in an upright position and without effort.

Shaking is effective and reduced.



### Optimal harvesting

The fruits are harvested in two stages, the bottom first and then the top, once the tree has recovered.

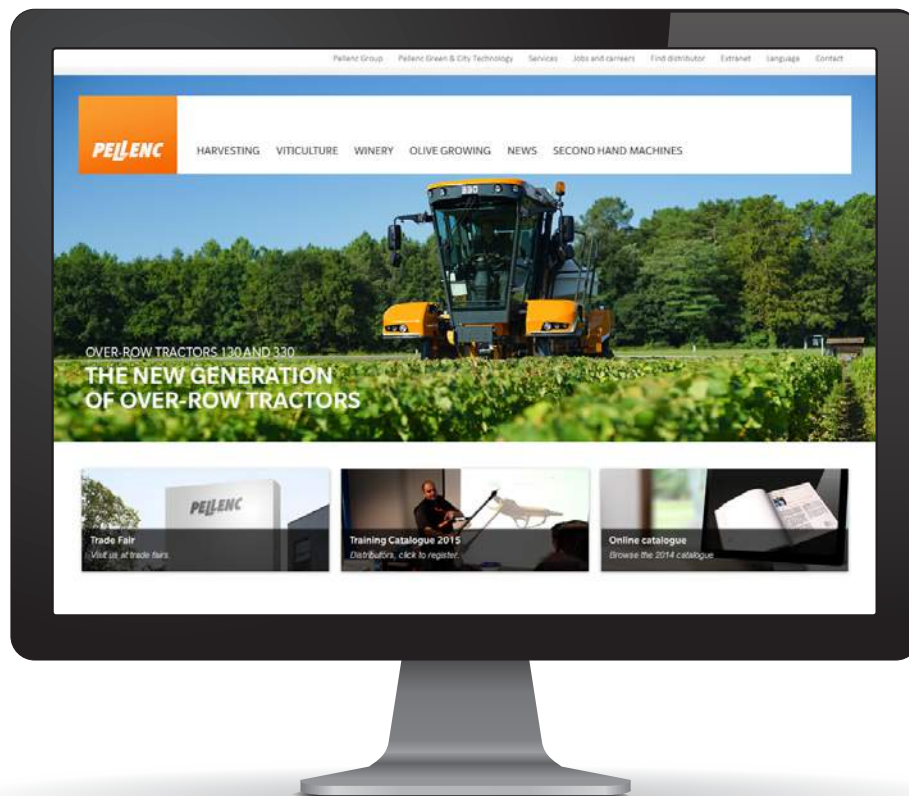
The vibrations are effective but limited to protect the plant.

Release of olives optimised with a shaking amplitude of the upper half greater than that of the lower part.



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