

# Catalogue 2014

Local authorities | Green and urban spaces



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



Patented Equipment. The technical specifications and photographs are provided for informational use only, and are in no way contractually binding.  
Pellenc reserves the right, without prior notice, to make any modifications and improvements it deems necessary to its products.  
Photo credits ©PELLENC – Design: PELLENC communications department.



## THE COMPANY

FOREWORD	4
AWARDS	5
AN INTERNATIONAL DISTRIBUTION NETWORK	6
INDUSTRIAL ORGANISATION	8
THE COMPANY AND ITS DEPARTMENTS	10
TECHNOLOGY AND DESIGN	12
PELLENC WEBSITE	110

## OUR PROFESSIONAL TOOLS

BATTERIES	ULTRA LITHIUM BATTERY	16
CHARGERS	SOLERION	24
	STANDARD CHARGERS	26
	POWER CONVERTOR 1000	27
LIGHTING	LUMENION	28
BLOWER	AIRION	30
HEDGE TRIMMERS	HELION	38
BRUSH CUTTERS	EXCELION 2000	46
	EXCELION 1200	54
CULTIVATOR	CULTIVION	62
CHAINSAWS	SELION C20	70
	SELION M12	78
	SELION POLE	86
PRUNING SHEARS	TREELION	94
	LIXION EVOLUTION	102

STILL LEADING THE WAY

## TECHNOLOGY, RESPECT FOR THE ENVIRONMENT AND INNOVATION ARE PELLENC'S VALUES



Since its creation in 1973, the PELLENC Group has based its development on a continuous innovation policy in order to anticipate market changes and offer its customers increasingly high-capacity

products. Moving into the professional handheld tools sector in 2008, PELLENC continued this strategy which has led to over 340 patents and resulted in numerous awards, demonstrating the excellence of PELLENC tools.

In 5 years, PELLENC has imposed itself in this market by offering a unique range of "Zero Emission" portable power tools through the development of ultra efficient Lithium-ion batteries. This exclusive PELLENC technology drastically reduces the production of greenhouse gas emissions and noise. It therefore meets user comfort requirements, the new sustainable development requirements and offers excellent cost efficiency.

PELLENC is the only manufacturer of professional portable power tools that has perfect mastery of this technology for over 10 years. PELLENC is thus able to guarantee the performance, autonomy, and reliability of its products to its customers, notably with the tools and battery warranty.

PELLENC again innovated in 2014 by complementing its range of brush cutters with the introduction of its Excelion 2000, more powerful and with 4 heads cutting heads are suitable for all brush cutting work and work in

the maintenance of green-spaces. PELLENC continues to innovate in the service area by offering a range of PELLENC leasing and "custom" maintenance contracts, allowing each customer to find the solution that best meets their expectations. In the second half of 2014, the PELLENC range will be expanding with the arrival of three new products that you will be able to find at your local dealer.

Today, the PELLENC Group, with more than 1100 employees, 15 subsidiaries, 5 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 portable power tools. It 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, PELLENC's environmental policy is conducted in a comprehensive manner: besides the development of its "Zero Emission" range, the company has successfully implemented an industrial tool which meets eco-construction standards, and has optimised logistics with the aim of reducing waste production and resulting environmental impact.

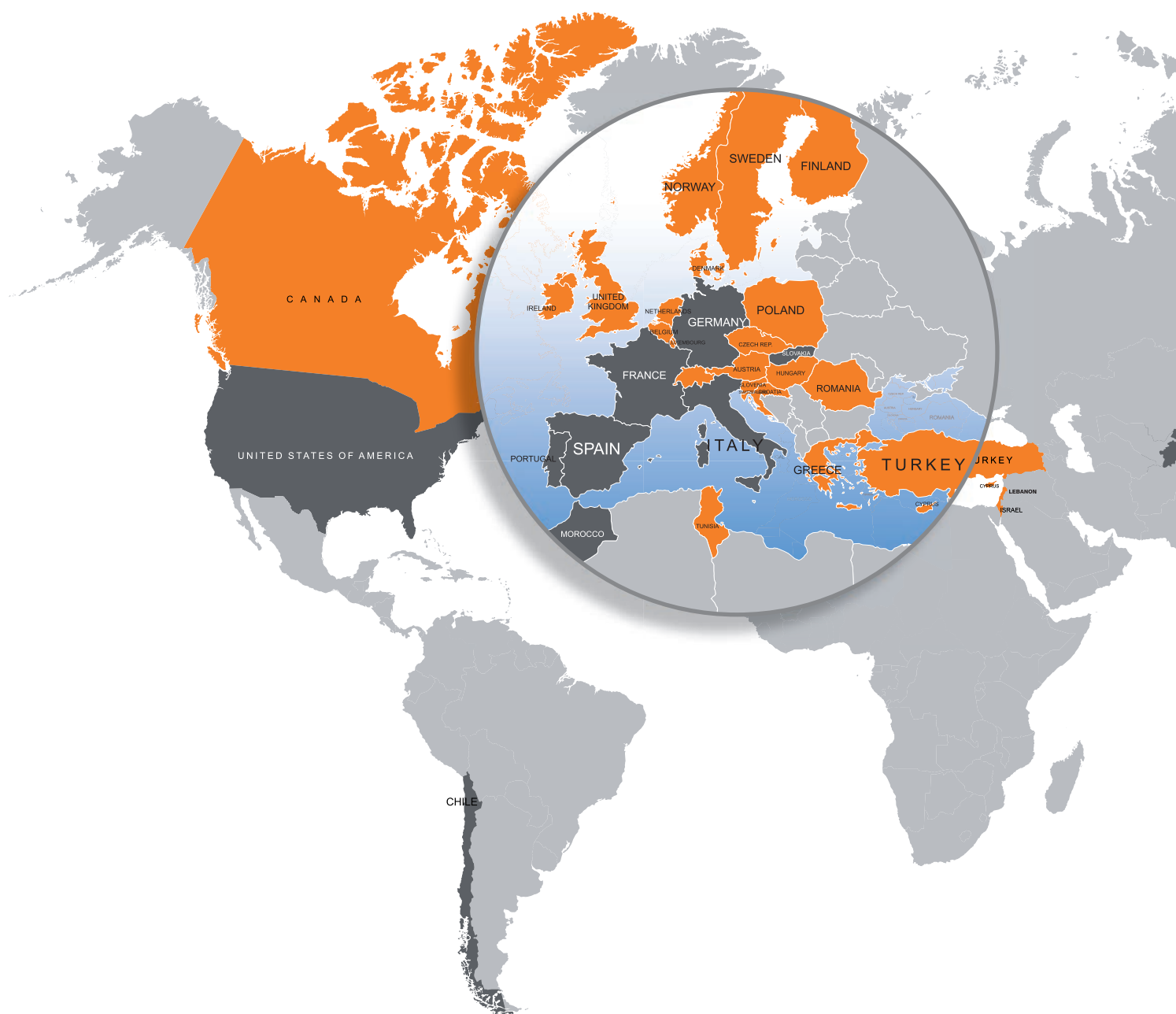
Thank you for your confidence in the PELLENC Group. We now invite you to discover the range of tools that we have developed for you.

Roger PELLENC  
Managing Director



## AWARDS AND TROPHIES

2013	EXCELION 2000	PAYSALIA: 1 <sup>st</sup> prize for innovation DEMOPARK: Silver medal SALON DES MAIRES: finalist AGRILEVANTE: 1 <sup>st</sup> prize AQUIFLOR: 2 <sup>nd</sup> prize for innovation
2012	CONCEPT ZERO EMISSION	SALON VERT: Sustainable Development Prize EDGE: Sustainable Development Prize
	AIRION	AQUIFLOR: 3 <sup>rd</sup> prize for innovation
2011	PORTABLE POWER TOOLS RANGE	EXPOLIVA: Jury commendation
	POLY 5	DEMOPARK: GOLD medal
	AIRION	GOLDEN DECIBEL SALON DES MAIRES: Innovation Prize EDGE: European Innovation Prize DEMODAGEN: Innovation Prize
2010	SELION M12	SIVAL: Commendation AGRILEVANTE: Technical Innovation Prize
	SELION M12	VINITECH: Bronze medal
	AIRION	SALON VERT: Environment and Sustainable Development Award EDGE: European Award for Environment and Sustainable Development
2009	SELION C15	SALON DES MAIRES: Innovation Prize
	HELION	PAYSALIA: 1st prize for innovation
2008	SELION POLE	FOREXPO: Commendation for safety in the workplace
	HELION	SALON VERT: Materials and Equipment Prize
2004	LIXION	VINITECH: BRONZE Medal



**Pellenc S.A.**  
pellenc.sa@pellenc.com

**Pellenc Languedoc-Roussillon**  
info@pellenc-lr.com

**Pellenc Bordeaux Charentes**

**Pellenc Deutschland**  
pellencdeutschland@pellenc.com

**Pellenc America**  
pellencamerica@pellencus.com

**Pellenc Italia**  
info@pellencitalia.com

**Pellenc Maroc**  
pellenc.maroc@pellenc.com

**Volentieri Pellenc**  
info@volentieripellenc.com

**Pellenc South America S.A.**  
info@pellenc.cl

**Pellenc Iberica**  
pellenc@pellenc.es

**Pellenc Australia**  
admin@pellenc.com.au

**Pellenc Slovensko**

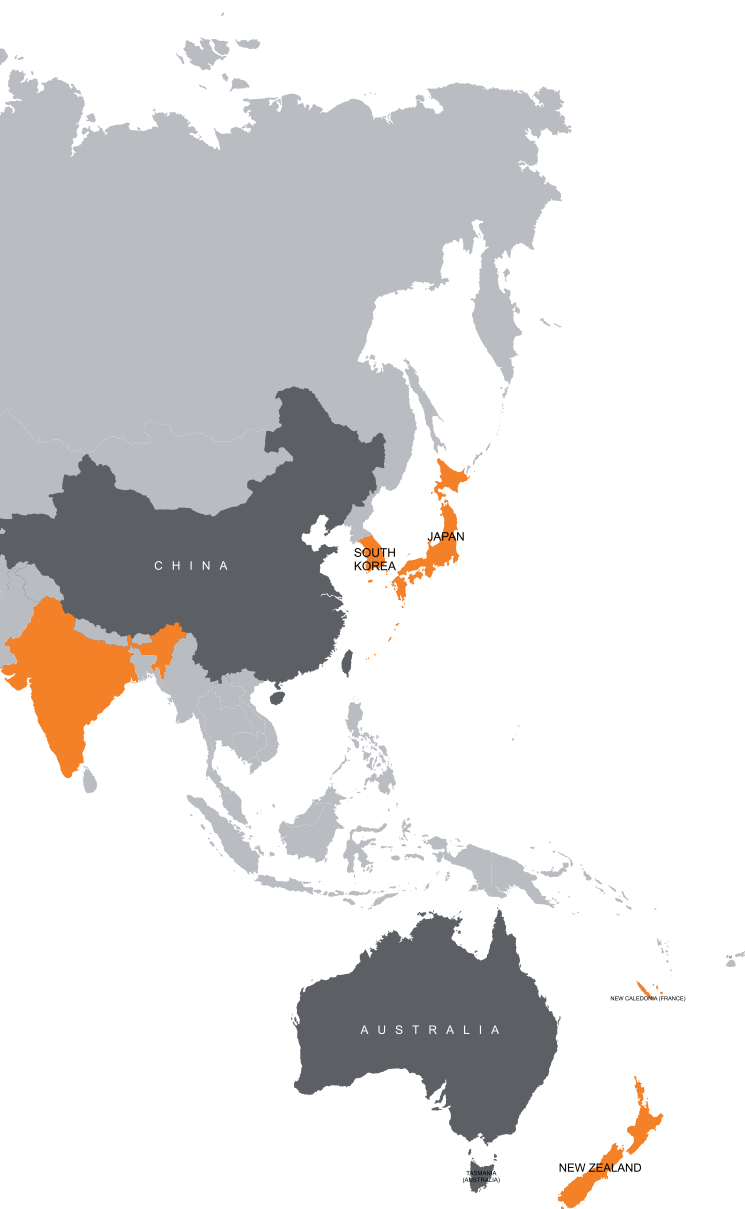
**Filpel Bobinas**

**Pellenc China**

**Pera Pellenc**



Pellenc is a international French group with over 800 authorised dealers all continents. Wherever you are, there is always a Pellenc contact nearby to answer your needs.



**Subsidiaries/Production sites**

USA, Chile, France, Spain, Italy, Germany, Slovakia, Morocco, China, Australia.

**Authorised dealer countries**

Austria, Belgium, Canada, Cyprus, Croatia, Denmark, Finland, Greece, Hungary, India, Ireland, Israel, Lebanon, Luxembourg, Norway, New Caledonia, New Zealand, Portugal, Czech Republic, Romania, United Kingdom, Slovenia, Sweden, Switzerland, Tunisia, Turkey.

## A MODERN PROFESSIONAL TOOL

PELLENC designs and manufactures its tools to the highest quality requirements, combining industrial performance and environmental responsibility. The Group invests approximately €3 million per year on its six production sites, totalling more than 1,100 employees in France, Europe and China, with the aim to develop and maintain a modern industrial tool and optimise logistics. This policy naturally allows PELLENC to adhere to the requirements of sustainable development by integrating green building standards, reducing waste, and limiting the environmental impact of its activity.



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



## INTEGRATED DESIGN & PRODUCTION

By placing your trust in PELLENC, you are guaranteed the professionalism of an undisputed leader in professional handheld tools and a benchmark in the fields of viticulture, fruit growing and green spaces. Today, PELLENC lends its experience and expertise to customers specializing in park and garden maintenance, local authorities, forests, golf courses... When you buy a PELLENC product, that has been designed and produced in a cohesive manner, you also benefit from advanced technology and unrivalled quality.

### DESIGN

PELLENC has developed an integrated Technocentre located at the company's headquarters in Pertuis, in the Vaucluse, consisting of engineering offices, an electronic laboratory, and prototype workshop that employs hundreds of engineers. This Research & Development structure develops the new technologies required to design the tools of tomorrow and works to continuously improve products, making PELLENC the world's 1st manufacturer to offer a professional electrical range entirely dedicated to green space maintenance, viticulture and fruit growing. Numerous exclusive patents have evolved from this technocentre (more than 466 for Green & City Technology at group level), a fact of which PELLENC is extremely proud, for example: the axial turbine of the AIRION blower, the electronic chain brake of the SELION C20 chainsaw, the multipurpose cutting head of the EXCELION brush cutter, and the blade anti-blocking system of the HELION hedge trimmers.



### PRODUCTION

PELLENC produces tens of thousands of tools in its European factories every year. Each tool is routinely checked within a "total quality" assurance framework which incorporates all the assembly line workers. Before leaving the factory, each product is tested to verify the parameters of its operation. In addition, our products are subjected to intensive testing with a rigorously selected group of customers who take part in improving the quality and performance of our tools.



## LOCAL SERVICES

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, each PELLENC customer is guaranteed access to both a commercial department which is quick to 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 the maintenance of PELLENC tools in order to maintain their performance.

### AFTER-SALES DEPARTMENT

PELLENC's after-sales service department supports the PELLENC authorised dealer network by providing training in technological developments and new products throughout the year. The Pellenc after-sales service team is selected according to very strict criteria. They have proven expertise and have a thorough understanding of our customers' work. PELLENC's after-sales service operates in all countries where the brand is present and provides technical support and multidisciplinary expertise in a network near you.



### CERTIFIED GENUINE PARTS

In order to extend the service life of your equipment and to safeguard the warranty for your tool, PELLENC recommends that you only use certificate genuine PELLENC parts. Your authorised PELLENC dealer will be able to inform you about the wear parts replacement programme for your tools.





## FOR THE PEACE OF MIND OF **OUR CUSTOMERS**

The state of the art technologies developed by PELLENC make it possible to offer ultra-high-performance tools. To ensure their proper use and durability, PELLENC offers a comprehensive training program and warranties tailored to the needs of each client.

### TRAINING

PELLENC S.A. is an approved provider of technical training to its dealers. Product training is provided by the company. All technicians working with one of our dealers that make up our network come to our premises to receive training on the technology that goes into our tools.



### WARRANTY

PELLENC grants its end customers a free one-year warranty on parts and labour. This warranty is valid for three years for electric pruning shear motors and batteries (wear parts not included, see warranty terms available at your dealer). Moreover, original PELLENC spare parts are guaranteed for a year (excluding labour). Thanks to our distribution network, PELLENC avoids tool downtime at the time of a warranty claim. Our dealers are trained have been trained for this purpose and have a stock of spare parts in order to respond quickly to customer needs and any possible repairs.



# ULTRA-HIGH-PERFORMANCE ELECTRIC MOTORS

## THE PELLENC REVOLUTION

Leading the way with the launch of the electric pruning shears in 1987, Pellenc has since developed numerous portable power tools. All of these tools use revolutionary PELLENC Brushless motors which bring power and flexibility to your tools while reducing their weight and size for precise, fatigue-free work.



## THE ADVANTAGES

### PRODUCTIVITY

- Very high efficiency brushless motor with electronic switching.
- The only motors that provide so much power for such a small size.
- PELLENC motors achieve an efficiency rating of almost 90%.
- PELLENC motors run at 29,000 rpm.

### LIFESPAN

- The motor's lifespan is theoretically infinite as there is no friction or sparks.
- No maintenance is required for PELLENC motors.
- The Brushless motor completely stops each time the trigger is released.
- They are quiet (low noise pollution).

### ECO-FRIENDLY

- Our Brushless motors are 95% recyclable.
- PELLENC motors emit no direct CO<sub>2</sub> emissions.
- They are very quiet.

# ULTRA LITHIUM BATTERIES

## LITHIUM-ION INNOVATION

Pellenc was the world's first manufacturer to introduce lithium-ion technology in portable power tools. PELLENC has developed its own technology in order to find a power/weight/autonomy compromise suitable for intensive and professional work.

## THE ADVANTAGES

### SECURE SYSTEM

- Battery preservation in case of overload, discharge or overheating thanks to an electronic control that allows the battery to be charged at any moment without affecting the memory and without altering the cells.

### LIFE SYSTEM

- Ensures individual protection of each element of the battery and allows automatic discharge for safe storage for several months.

### POWER SYSTEM

- Recognition device for each PELLENC tool, which allows the batteries to be used with any portable power tool from the range.

### BALANCE SYSTEM

- Guarantees balancing of the the battery elements during recharging, in order to optimise consistent use and increase lifetime.



# THE PELLENC +

## PROFESSIONAL

### MOTOR POWER

From 1200 to 2000 W (45 cc).

### EFFICIENCY

Record-setting battery life, often longer than a full day's work.

### ERGONOMICS

Tools are equipped with Soft Touch coating which produces less vibration and greater user comfort.

### SAFETY

Technological innovations have been developed to protect the user: the kickback sensor with electronic start-up, for example, which is fitted to our pruners.

### HEALTH IN THE WORKPLACE

Using PELLENC equipment enables users to work without strain and as such, potential musculoskeletal problems (MSP), CO<sub>2</sub> emissions and noise pollution are reduced.

### DISTRIBUTION NETWORK

Our network consists of specialist dealers, approved by PELLENC, who are trained at our factories and are available to provide the advice you need and service your tools.

## ENVIRONMENTALLY FRIENDLY

### EXTREMELY LOW CARBON EMISSIONS

Using PELLENC tools considerably reduces direct greenhouse gas emissions.

### BATTERY RECYCLING

We actively participate in the protection of the environment, from design to recycling. The last stage of the life cycle of a battery is at the centre of PELLENC's concerns. That's why we collect used batteries and work with SCRELEC, a specialised organisation for their recycling.

### NOISE POLLUTION

Because of their electric motors, PELLENC tools are very quiet when used. Our AIRION blower, for example, operates at an exceptionally low sound level of 80 dB!

### GREEN DESIGN

PELLENC tools contain no heavy metals or any toxic or hazardous substance that could harm the environment. The products which come from our production lines are certified in accordance with European Directive standards.

### ENGINE

More than 95% recyclable.

## COST-EFFECTIVE

### OPERATING COST

Daily operating costs are less than 20 cents! That is equal to the average cost of charging a battery.

### RETURN ON INVESTMENT

Based on a daily petrol cost of €7.50, the battery pays for itself after 130 days of use\*!

### MULTIFUNCTION

PELLENC batteries are multipurpose and may be used to power any tool from the range.

### LOW MAINTENANCE

Maintenance-linked costs are limited due to the electrical technology. The carbon-free Brushless motors have no wear parts and PELLENC ULiB batteries require no maintenance.

### BATTERY LIFE

Our ultra-high-capacity batteries often have battery lives that last longer than one working day.

The battery pays for itself  
in the 1<sup>st</sup> year

Return on investment of  
€5,000

\* Calculation based on consumption of 5 litres of 2-stroke mix at a price of €1.50 per litre. Data calculated with use of the 700 battery.



# THE **ZERO EMISSIONS** CONCEPT



SUSTAINABLE DEVELOPMENT AWARD  
**EDGE 2012 - SALON VERT 2012**

At Pellenc we have developed a global environmental approach that many years, with a commitment to renewable energy. In this area, the **Zero Emissions Concept** is the culmination of our most recent research to promote autonomous energy.

Using the products which make up the concept allows users to be independent in the production, storage and use of electrical energy. We offer an ecological package made up of:

- a Pellenc ULiB ultra-high capacity and multifunctional lithium-ion battery,
- a SOLERION solar panel, which enables the batteries to be recharged in 6 hours with maximum sunlight,
- a LUMENION intelligent lighting stand which works with the Pellenc battery,
- a power converter, the POWER CONVERTOR 1000. This is a “generator” which allows PELLENC batteries to power all electrical appliances designed to operate on 220 V c.a. mains power whose power is less than 1000 W.



This product pack is customisable; it's up to you to choose the equipment which will best meet your energy requirements. These products can also be used by:

- Local authorities
- Landscapers
- Farmers
- Campsites and golf courses...





Ultra  
Lithium  
Battery  
POLY5

PELENC





# ULTRA LITHIUM BATTERY (ULiB) 10 YEARS OF TECHNOLOGICAL EXPERTISE



DEMOPARK

2011  
GOLD MEDAL

POLY 5

*The tools have been very well received by my employees, especially the hedge trimmers. We operate close to residential areas and housing estates, where noise constraints are an obstacle and problem when it comes to organizing our sites. Despite the inconvenience of the cable, the advantages of reduced noise levels, the absence of fumes and the lighter weight of the tool convinced us.*

**Mr. Lafitte**  
Landscapeur in Royan - France



# ULTRA LITHIUM BATTERY

## A BATTERY OF ADVANTAGES

The PELLENC ULiB range of batteries allows professional use of our tools. ULiB batteries allow the user to work up to a full day without recharging. PELLENC is the only manufacturer of professional equipment to provide a range of tools that works with multifunction ultra high capacity batteries.



1100 ULiB battery used in front of Notre-Dame de Paris - France



# THE PELLENC +

## PROFESSIONAL

- Lightweight batteries: from 2 kg to 5.9 kg.
- Battery life of up to a full day's work.
- Multipurpose battery: the same battery can be used to operate any tool from the Pellenc portable power tool range.

## ERGONOMIC

- Carrying harness which effectively and evenly distributes the weight of the battery.
- Breathable mesh fabric.
- Velcro attachment for passing using the cable through.
- Instant start-up in cold or hot weather.
- No fuel preparation required.

## ECO-FRIENDLY

- No direct CO<sub>2</sub> emissions.
- Work without exhaust fumes.
- 80 % of the battery is recyclable.

## COST-EFFECTIVE

- From 800 to 1500 cycles (one cycle corresponds to one full charge and one full discharge).
- Daily cost of €0.10.
- Throughout its life, the 1100 battery is equivalent to using 4,700 l of petrol and 60 l of oil mix.
- Battery pays for itself in the first year.\*
- Return on investment of €5,000.\*\*

\* Cost of charging according to kW pricing in France.

\*\* Consumption of 5 litres of 2-stroke mix per day at a price of 1.50 euros per litre. Data calculated for daily use of the ULiB 700 battery.

# PROFITABILITY

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

## Do the calculation yourself

Example of ROI  
after 800 cycles using the ULiB 700.

### DAILY CONSUMPTION OF YOUR PETROL MOTOR 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

### IF YOU BUY A PELLENC 700 ULiB BATTERY

Daily cost	€ 0.10	€ 0.10
Savings per day	€ 7.40	€ 19.90
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 petrol motor hedge trimmer

PRODUCT ADVANTAGES

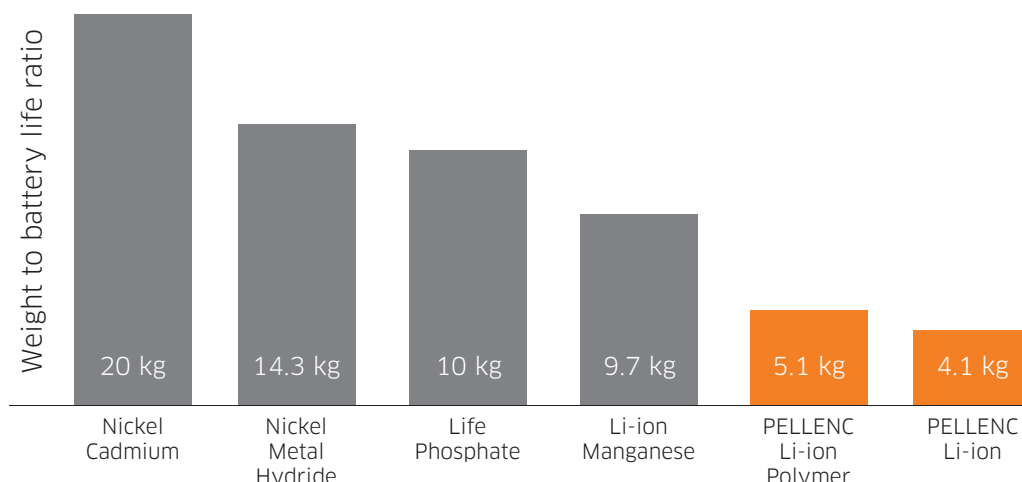


# ULTRA-HIGH CAPACITY BATTERIES

PELLENC ultra-high capacity batteries have the best weight/energy ratio!

The Ultra Lithium Battery 1100 develops nearly 1,000 Wh for only 4.1 kg of lithium-ion elements. Pellenc is the only manufacturer in the world to use revolutionary lithium-ion ternary technology (Nickel-Cobalt-Aluminium).

To generate the same amount of energy, a nickel cadmium (Ni Cd) battery would weigh 20 kg, a nickel metal hydride (NiMH) battery would weigh 14.3 kg, a lithium iron phosphate battery (technology used for electric vehicles) would weigh 10 kg and a lithium-ion manganese battery (technology used for portable power tools used by the public) would weigh 9.7 kg!



## 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 PELLENC batteries have a display showing the remaining battery life percentage.



## PELLENC electronically-controlled lithium-ion battery

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

PELLENC patent

## SPECIFICATIONS



ULiB	200	400	700	1100	POLY5
Weight (Without harness) - kg	1.9	3.4	5.5	5.9	3.4
Type	Li-ion	Li-ion	Li-ion	Li-ion	Li-Po
Voltage - V	43.2	43.2	43.2	43.2	44.4
Capacity - Ah	4.5	9	15.8	23.2	10.6
Energy stored - Wh	200	400	700	990	500
Maximum power - W	1200	2000	2000	2000	2000
Average lifetime - Cycles*	800 to 1200	800 to 1200	800 to 1200	800 to 1200	1200 to 1500
Charge time - h	5	5	8	12	8
Carrying harness	•	•	•	•	•
1.2 A charger	•	•	-	-	-
2.2 A charger	-	-	•	•	•
Compatible with Quick Charger**	-	-	yes	yes	yes
Compatible with SOLERION	yes	yes	yes	yes	yes

\* A cycle is a full battery charge and full discharge.












\*\*The Quick Charger is available as an option.

\*Comes standard.



## RECOMMANDATIONS FOR USE OF BATTERIES AND TOOLS ACCORDING TO THEIR POWER AND AUTONOMY\*

All PELLENC multi-function Ultra Lithium Batteries can be used on all of our tools. However, we recommend the use of batteries according to the tool, in order to achieve an increased optimization of autonomy, power and weight.

	SPECIFIC BATTERY	MULTI-PURPOSE BATTERIES				
		200	400	700	1,100	POLY 5
Weight (without harness or belt)		1.9	3.4	5.5	5.9	3.4
 LIXION Evolution pruning shears for viticulture		1 to 3 days	-	-	-	-
 LIXION Evolution adaptable pruning shears for viticulture		-	2/6 days	5 days	10 days	3/7 days
 TREELION fixed pruning shears for fruit growing		1 to 2 days	-	-	-	-
 TREELION adaptable pruning shears for fruit growing		-	3 days	4 to 5 days	7 days	3.5 days
 HELION Hedge trimmers		-	1/2 day	Up to 1 day	Up to 2 days	1/2 day
 CULTIVION wheel hoe		-	2 to 4 hours	Up to 1 day	Up to 2 days	3 to 5 hours
 SELION pole chainsaw		-	1 to 3 hours	Up to 1 day	Up to 2 days	2 to 5 hours
 SELION M12 chainsaw		-	1 to 3 hours	Up to 1 day	Up to 2 days	2 to 5 hours
 SELION C20 chainsaw			1 to 3 hours	3 to 5 hours	Up to 1.5 days	2 to 5 hours
 EXCELION 2000 brush cutter		-	-	2 to 3 hours	3 to 4.5 hours	1 to 2 hours
 EXCELION 1200 line trimmer		-	1 hour	2 to 3.5 hours	3 to 5 hours	1 to 2 hours
 AIRION blower		-	1 hour	2 to 3.5 hours	3 to 5 hours	1 to 2 hours

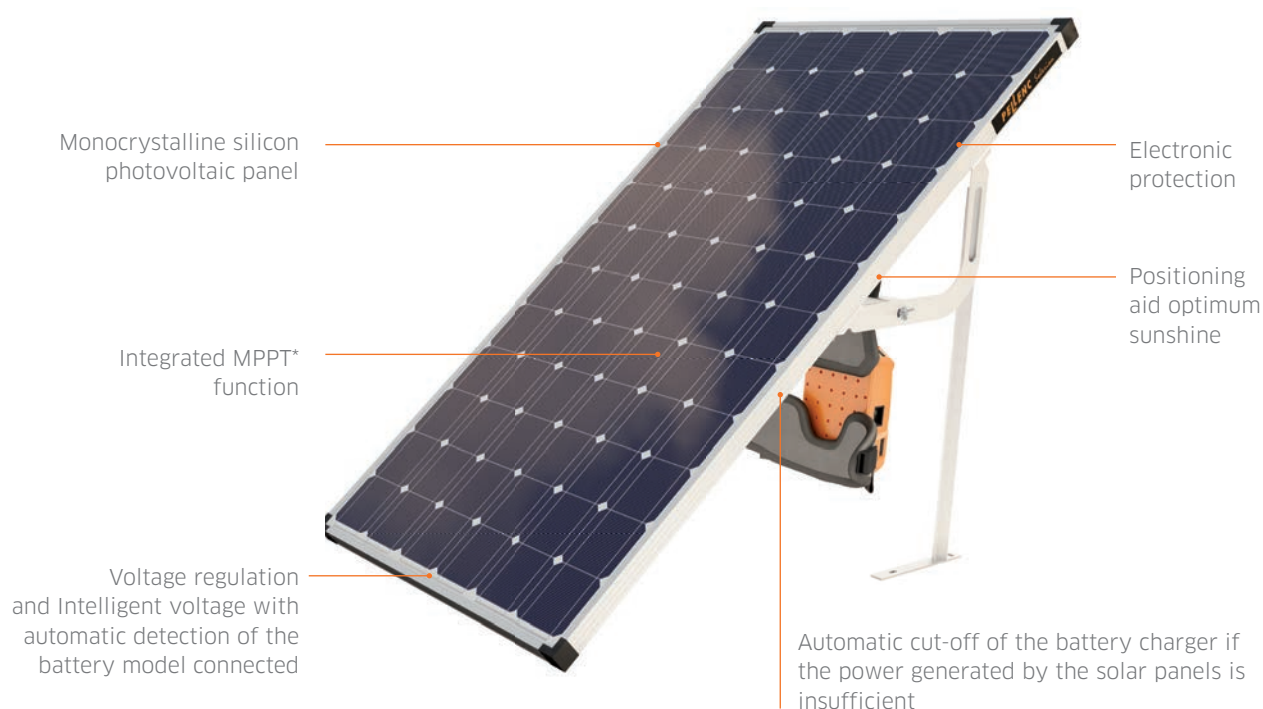
\*The battery life depends on the tool, its use and the nature of vegetation worked on.

\*\* Autonomy is calculated using the Eco mode

## SOLERION

# THE SOLAR RECHARGING SYSTEM

Once the photovoltaic (PV) panels have been installed at the operating site, Solerion efficiently leverages the solar energy converted by the PV panels, thanks to the MPPT\* load regulator, for optimum recharge of the connected battery.



### SOLERION

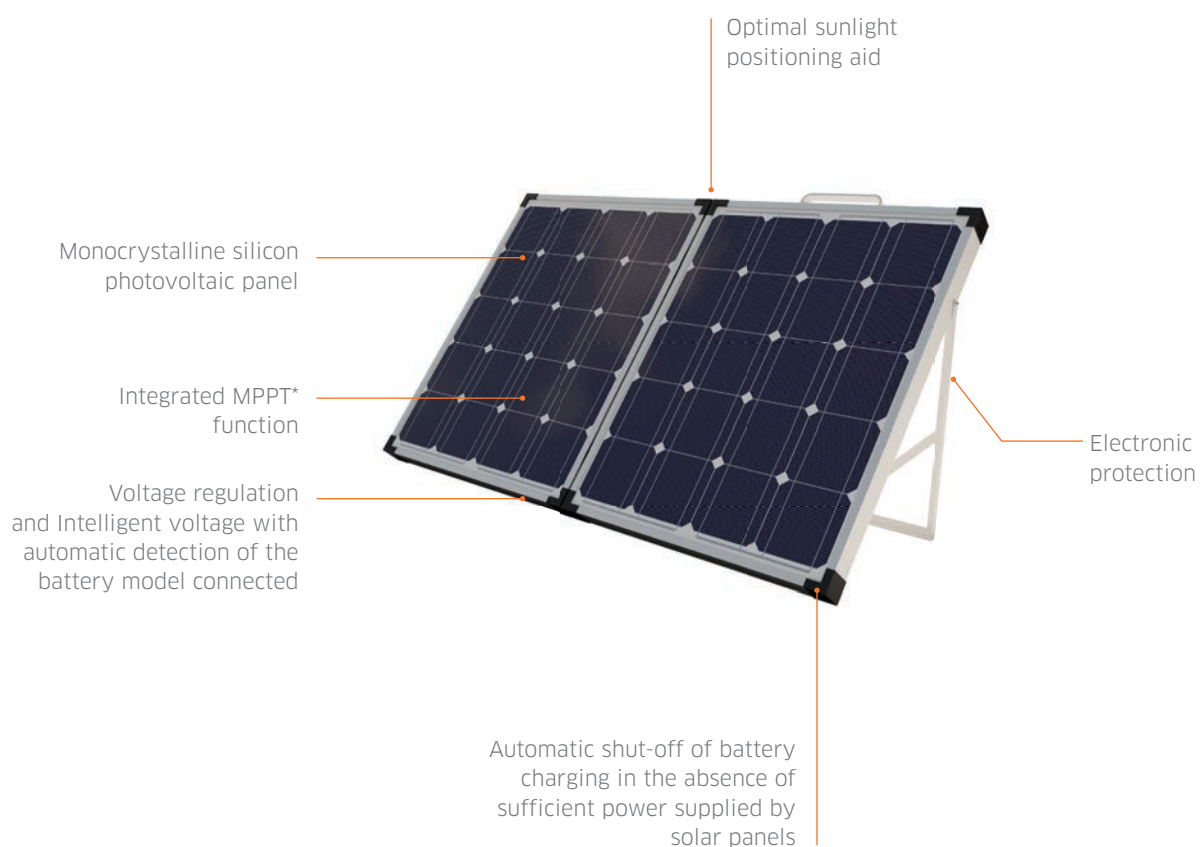
Max. power (at 1000 W/m <sup>2</sup> ) - W	280
Charging voltage - V	50.2
Max. charging current at 1000 W/m <sup>2</sup> (Excellent sunlight levels) - A	5.2
Max. charging current at 600 W/m <sup>2</sup> (Average sunshine) - A	2.9
Stop charge current - mA	200
System dimensions (L x I x H) mm	1950 x 995 x 500
Weight - kg	32
Protection rating	IP55

\* MPPT (Maximum Power Point Tracking): This function allows the optimum power drawn to be permanently tracked so that the photovoltaic panels can be subsequently supplied with the maximum peak power.



Solerion solar panel

# FOLDABLE SOLERION



## FOLDABLE SOLERION

Max. power (at 1000W/m <sup>2</sup> ) - W	140
Charging voltage - V	50.2
Max. charging current at 1000W/m <sup>2</sup> - A	2.6
Max. charging current at 600W/m <sup>2</sup> - A	1.5
Stop charge current - mA	200
Dimensions (L x l) - mm	
- folded	840 x 670
- opened	1680 x 670
Weight - kg	16.5 kg
Protection rating	IP55
Transport bag	YES



## STANDARD AND QUICK CHARGERS

### STANDARD CHARGERS

#### 1.2 A - 2.2 A

Once the battery is completely discharged, the tool stops automatically and the battery buzzer beeps intermittently. The standard charger, supplied with the battery (1.2 A charger for 200, 400 and Poly 5 batteries and 2.2 A charger for 700 and 1100 batteries) can then recharge your battery over a variable period. The charge time depends on the battery level, the charging environment (dry and ventilated area, protected from dust and with a temperature of between 10°C and 25°C) and the age of your battery. The standard charger comes standard with the battery and harness. Before using the battery for the first time at the start of a new season, it must be fully charged (99% capacity).

### THE "QUICK CHARGER"

The quick charger will help boost battery charging. For improved durability of the batteries, Pellenc strongly recommends performing a conventional charge (with the standard charger) after every five quick charges. With the rapid charger, the charging time of the 700 and 1100 batteries is reduced by an average of 3 hours, keeping in mind that after 1.5 hours, the capacity has already reached 70%.

The Quick Charger is available as an option.



### CHARGER AND BATTERY CHARGE TIME

CHARGERS*	200	400	700	1100	POLY 5	OLIVION
1.2 A standard charger	5 h.	9 h.	15 h.	22 h.	9 h.	15 h.
2.2 A standard charger	3 h.	5 h.	8 h.	12 h.	5 h.	8 h.
Quick Charger	-	-	3 h.	4 h.	2 h.	3 h.
SOLERION with low sunlight levels	3 h.	4 h.	6 h. 40 min.	11 h.	5 h.	6 h. 40 min.
SOLERION with normal sunlight levels	3 h.	3 h.	3 h. 30 min.	5 h.	2 h. 40 min.	3 h. 30 min.
SOLERION FOLDABLE low sunlight	6 h.	8 h.	12 h.	22 h.	10 h.	12 h.
SOLERION FOLDING high sunlight	6 h.	6 h.	7 h.	10 h.	5 h.	7 h.

\* Charging time calculated in optimal conditions. Refer to the battery instructions for conditions.

### AN EXCEPTIONAL SERVICE LIFE

Intelligent charge system that optimises the service life. Batteries enter a discharge cycle after 4 days of non-use, for optimal storage for 10 months. You just need to remember to store the batteries fully charged. PELLENC lithium-ion batteries do not suffer from memory run-down.



# POWER CONVERTOR 1000

PELLENC introduces a converter that converts battery energy into 230 VAC.

Combined with a PELLENC battery, the POWER CONVERTOR 1000 is the solution for storing and using electrical energy. Thanks to this product, all electrical appliances below 1000 W can operate autonomously: domestic appliances, drills, jackhammers, etc.. The output voltage is pure sine wave (as on any electrical distribution network) to enable asynchronous motor control.



## SINE WAVE POWER CONVERTOR 1000

Rated power - W	1000
Rated power over 1 second - W	2000
Input voltage (Pellenc battery) - Vdc	36 - 52
Maximum input voltage - A	55
Output voltage - Vac +/- 5 % pure sine	230
Output current to 1000 W maximum - A	4.5
Switchable output frequency - Hz	50/60
Protection rating	IP20
Weight - kg	2.7
Battery compatibility	ULiB 700, ULiB 1100, Poly 5

Caution: do not connect the Power Converter 1000 to an electrical distribution network.

## HARMFUL EMISSIONS VIRTUALLY NON-EXISTENT



*"Every type of human activity creates greenhouse gas emissions, whether directly or indirectly. Consequently, all businesses or organisations have a legitimate interest regarding the emissions that they generate. To reduce emissions it is necessary to calculate a carbon footprint and determine how much room there is for improvement. The Carbon Footprint® is a method for calculating greenhouse gas emissions, based on readily accessible data, in order to obtain a good assessment of the direct or indirect emissions generated by your activity. "\*\**

With the use of PELLENC tools:

- You will considerably reduce direct emissions.
- You help to preserve the environment.

Refer to the products on the following pages to compare the figures for direct CO<sub>2</sub> emissions between a petrol motor and a PELLENC electrical tool.

\*Source: ADEME

# LUMENION

## SELF-POWERED AND MOBILE

LUMENION is a mobile, self-powered LED battery operated floodlight that is easily transportable and quickly assembled. Electronic control (PELLENC Patent) for optimisation of lighting power according to battery life remaining. The brightness is very simply adjusted using the control box or the remote control, all the while displaying remaining battery life information.

Perfectly suited to emergency, operational and site illumination:

- Night work sites on roads,
- Construction, renovation or maintenance work in underground or poorly-lit areas,
- Event lighting,
- Interior works of all natures in confined spaces,
- Electrical maintenance works.



## THE PELLENC +

- Electronic brightness control box **PELLENC patent**
- **Display on the box:** information on power delivered and available lighting time remaining.
- **Secure remote control** (100m range - open field) allows control of the 4 LUMENION individually or grouped. Can be used with several Lumenion.
- **On Ultra-Lithium-Battery:**
  - Ability to adjust the light output to automate battery life,
  - Ability to adjust lighting duration up twenty three hours and forty five minutes.
- **AC power:**
  - With the supplied cable, LUMENION operates on 220V, still with the ability to regulate luminosity.

### LUMENION

Protection rating	IP64
Weight of equipped mast - kg	12.5
Single floodlight weight - kg	3.6
Single floodlight electrical power - W	50
Single floodlight luminosity - Lumens	4500
Luminosity with 3 floodlight - Lumens	13,500
Height when fully deployed- m	1.80 x 4.20
Footprint - m	2 x 1.80
Folded dimensions - m	0.3 x 0.3 x 1.90
Transport bag	YES









# AIRION CLEAN QUIETLY



## AQUIFLOR

2012  
3RD PRIZE FOR INNOVATION

## DÉCIBEL D'OR

2011

## DEMODAGEN

2011  
INNOVATION AWARD

## EDGE

2011  
EUROPEAN AWARD FOR  
THE ENVIRONMENT AND  
SUSTAINABLE DEVELOPMENT

## SALON DES MAIRES

2011  
INNOVATION AWARD

## EDGE

2010  
EUROPEAN AWARD  
FOR THE ENVIRONMENT  
AND SUSTAINABLE DEVELOPMENT

## SALON VERT

2010  
AWARD FOR THE ENVIRONMENT  
AND SUSTAINABLE DEVELOPMENT

*"The Airion was purchased for its low noise and environmental pollution levels after receiving daily complaints from the general public because of that. The department of 'Green Spaces' for Lyon will continue to invest in Pellenc equipment because the carbon footprint is minimal and the ergonomic quality of the tools is undeniable. In addition, Airion allows gardeners to work with more precisely thanks to the different blowing speeds."*

**Jacques Demont,**

Head of the equipment purchasing department  
for green spaces in the city of Lyon  
ISO 14001 - 400 ha of green spaces



# AIRION

## A BLOWER WITH MANY ADVANTAGES

THE AIRION blower can be used near noise-sensitive areas such as hospitals, schools, camp sites, towns, etc. It is also perfectly suitable as a cleaning tool for roads alongside sweepers at any time of the day. It works just as effectively as a replacement for the traditional sweeper in towns as well as in parks and gardens.



*Cleaning up a square after the weekly market.*





## THE PELLENC +

### PROFESSIONAL

Ultra-light: only 2.6 kg

- High performance
- Air velocity: 61 m/s
- Airflow: 730 m³/h
- Autonomy from 1/2 day to a whole day of work

### ERGONOMIC

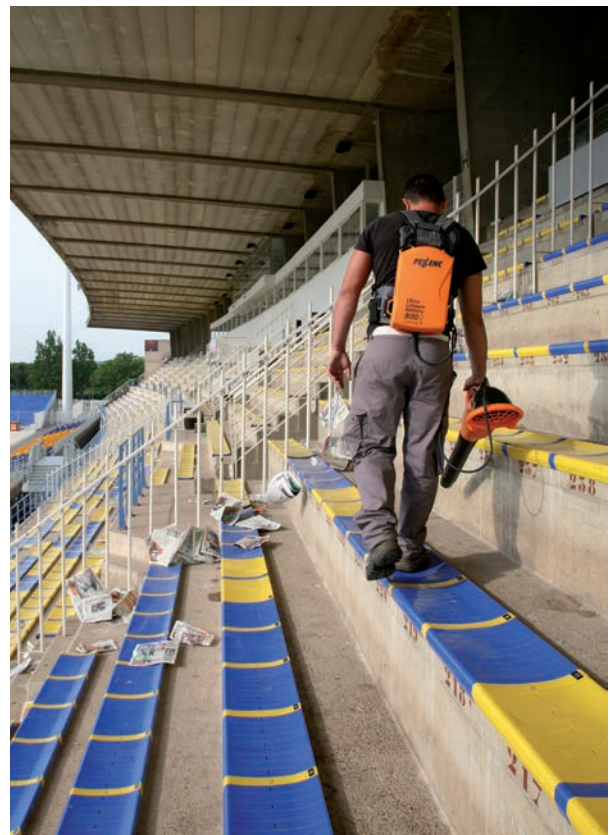
- Exceptional handling
- No gyroscopic effect

### ECO-FRIENDLY

- Only 80 dB
- Zero emissions and zero waste

### COST-EFFECTIVE

- At least €6 of petrol saved per day
- Low maintenance
- No 2-stroke mix needed
- Multi-purpose battery



*Cleaning the stadium in Avignon - France*



*Using the blower on public roads*

# PRODUCT ADVANTAGES



FOR MORE INFORMATION!



Scan this code with your smartphone

Profiled nozzle

Metal protection



### Air inlet

Specially designed to reduce the sound level whilst maintaining exceptional blowing performance. The air intake is optimised to improve air flow.

PELLENC patent



### Axial turbine

PELLENC was inspired by advanced aeronautics to design a resistant, silent and efficient turbine. In addition, this axial turbine eliminates gyroscopic effects which can cause MSP (musculoskeletal problems).

PELLENC patent



### Speed selector

The AIRION is fitted with a 4-level speed selector that optimises and adjusts the speed of the air propelled according to the working environment (roads, markets, gardens, etc.) and the site to be cleaned (wet or dry leaves, gravel, etc.). Each of the 4 speeds is visually displayed by a led indicator.



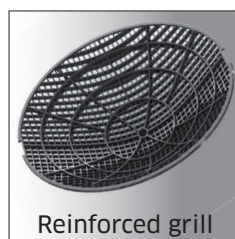
### Boost

By keeping the speed selector button pressed, the boost mode is instantaneously selected to deliver a maximum power of 750 W. This feature is very useful to remove wet vegetation or heavy waste and matter. This mode is available for all speeds.



### Progressive trigger

It enables the airflow to be controlled accurately. On roads, this trigger makes it possible to prevent scattering of small stones.



### Protective intake grill

It was designed to improve the efficiency of the blower. It is removable and interchangeable for easy maintenance.

Reinforced grill



## SPECIFICATIONS

AIRION	
Max. power - W	750
Petrol motor equivalence - cc	20
Weight - kg	2.6
Air flow rate - m <sup>3</sup> /h	730
Max. airflow (without nozzle) - m <sup>3</sup> /h	880
Air speed - m/s	61
Guaranteed noise level (LPA)* - dB(A)	80 (78 actual)
Guaranteed sound level (LWA)* - dB(A)	92 (89 actual)
Guaranteed level at 15 metres (ANSI) - dB(A)	<65 (59 actual)
Guaranteed vibration level (ah)** - m/s <sup>2</sup>	<2.5 (0.7 actual)
4-speed selector switch	•
Round nozzle	•
Battery life*** with ULiB 1100,	Up to 5 hours

• Standard \*Values determined according to acoustic measurement standards NF EN ISO 11201 and NF EN ISO 3744 American standard.

\*\* 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.



**AIRION makes it possible to reduce direct emissions by 99% compared to a petrol engine, that's 86 times less emissions! And, if you recharge your PELLENC batteries with our Solerion solar charger, CO<sub>2</sub> emissions are completely eliminated.**

## CO<sub>2</sub> EMISSIONS



	PETROL BLOWER Direct emissions + petrol production	AIRION Direct emissions + electricity production	WITH SOLERION Direct emissions
Carbon equivalent /hour	3.3 kg CO <sub>2</sub> /hour	39 g CO <sub>2</sub> /hour	0 g CO <sub>2</sub> /hour
Carbon equivalent/day	20 kg CO <sub>2</sub> /day	234 g CO <sub>2</sub> /day	0 g CO <sub>2</sub> /day
Carbon equivalent/year	4 tons CO <sub>2</sub> /year	47 kg CO <sub>2</sub> /year	0 g CO <sub>2</sub> /year

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO<sub>2</sub>/kWh in France, covering production and the remainder of its life (ADEME-France) – 1 L of SP95 super fuel has a carbon equivalent of 2.5 kg CO<sub>2</sub>/L in direct emissions and 5.5 kg CO<sub>2</sub>/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.

## ACCESSORIES & CONSUMABLES

### Round blowing nozzle



Nozzle designed to achieve the best possible efficiency between air flow and air velocity.

- ✓ Inner diameter of the nozzle: Ø 65 mm
- ✓ Length of the nozzle: 57 cm

Sold as standard  
Ref.: 83326

### Nozzle with integrated scraper



For lifting and removing all sticky or wet waste

- ✓ Inner diameter of the nozzle: Ø 65 mm
- ✓ Length of the nozzle: 57 cm

Ref.: 102930

### Reinforced inlet grill



The only wear part of the blower.

Ref.: 83334

### Cable carrying hook



Accessory for keeping the power supply cable wound up.

Sold as standard

Ref.: 101056

### Tool carrying hook



A hook which clips to the battery belt so that the operator can have free hands.

Sold as standard

Ref.: 86708

### Carrying strap



Harness which allows you to have your hands free without putting the blower down.



Kit incorporating the strap and hook for attaching the blower

Ref.: 110001









# HELION COMBINING POWER AND COMFORT



PAYSALIA

2009  
1<sup>ST</sup> PRIZE FOR INNOVATION

SALON VERT

2008  
MATERIALS AND  
EQUIPMENT PRIZE

*I invested in a pair of pruning shears and a hedge trimmer and I do not regret it. The hedge trimmer is comfortable and makes it possible to carry out your work even near homes.*

**Mr. Vignaud**

Landscaper at L'Isle d'Espagnac - France



# HELION

## POWER AND PRECISION

HELION hedge trimmers are efficient tools which meet the needs of professionals in terms of power and trimming quality. Their odour-free operation and lightness allow the user to work comfortably when maintaining robust hedges or ornamental trees.



*Hedge trimmer in use at the Alhambra museum in Grenada - Spain*





## THE PELLENC +

### PROFESSIONAL

- Safety: double trigger for user protection
- Use for annual pruning and for finishing
- Runs for a full day's work

### ERGONOMIC

- Soft Touch rotating handle
- Its lightness improves working conditions
- Adjustment optimised on pole models
- 5 interchangeable blades on the same motor

### ECO-FRIENDLY

- Quiet working environment
- Odour-free and pollution-free operation
- Zero emissions and zero waste

### COST-EFFECTIVE

At least €8 of petrol saved per day.

- 1 motor with different blade sizes
- Low maintenance
- No 2-stroke mix needed
- Multi-purpose battery



*Helion in use in front of Notre-Dame, Paris*



*Trimmer with a deflector blade*

## PRODUCT ADVANTAGES



### HELION range



HELION Universal

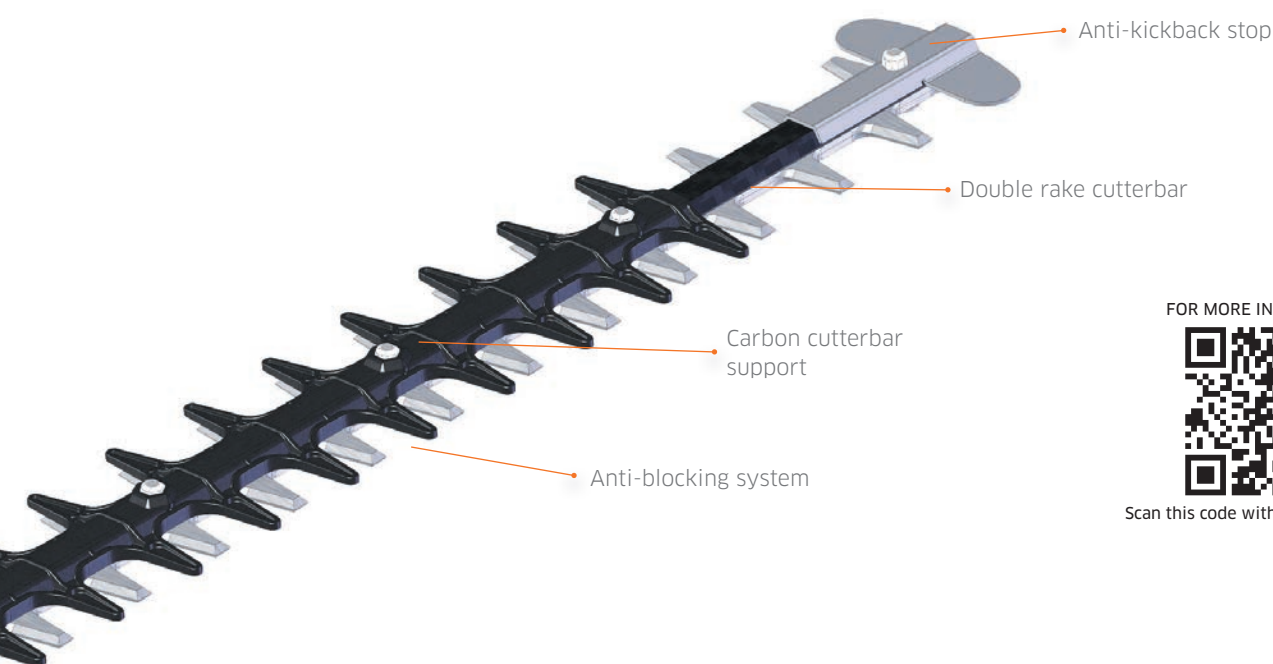


HELION Pole



HELION Telescopic

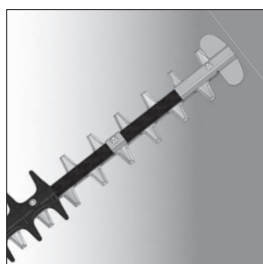
Helion is delivered without a cutterbar. You can choose the one that best suits your needs.



FOR MORE INFORMATION!



Scan this code with your smartphone



### Cutterbar **NEW**

Carbon reinforcing bar for extra weight and more rigidity. Stainless steel anti-kickback stop



### Flexible head

On pole models the head can be rotated  $\pm 90^\circ$  for working in all cutting positions.



### Rotating handle

The handle can be rotated to  $\pm 90^\circ$  for working vertically without bending the wrist.



### Speed selector

The 4 speeds make it possible to adapt the speed to the type of vegetation. The higher the cutting diameter, the slower the hedge trimmer should turn. Good management of the selector also saves on battery use.



### Anti-blocking system

In case of the blade becoming caught in the vegetation, a unique device reverses the motor's rotation direction, which enables it to be easily removed and prevents the blades from twisting or breaking.



### Quick Switch

All cutter bars are universal and easily interchangeable. The mounting and removal of the cutter bar takes less than a minute.

PELLENC patent



# SPECIFICATIONS

HELION	Universal	Pole	Telescopic
Max. power - W	1200	1200	1200
Petrol motor equivalence - cc	30	30	30
Weight (with 63 cm blade) - kg	3	3.7	4.1
Length of the pole - cm	-	180	150/200
Cutting Rate - spm (strokes/min)	3200 to 3800	3200 to 3800	3200 to 3800
Available cutting length - cm	27 - 51 - 63- 63D - 75		
Tooth pitch - mm	33	33	33
Tooth spacing - mm	40	40	40
Gullet depth - mm	24	24	24
5-notch rotating handle	+/-90°	-	-
• Multi-position pivoting cutting head	-	+85°/-45°	+85°/-45°
Sound pressure (L <sub>PA</sub> )* - dB(A)	84	87	83
Guaranteed noise level (L <sub>WA</sub> )* - dB(A)	93	96	96
Front handle vibration level (a <sub>h</sub> )** - m/s <sup>2</sup>	4.6	5.5	3.9
Front handle vibration level (a <sub>h</sub> )** - m/s <sup>2</sup>	3.4	3.9	3.4
Quick Switch	•	•	•
4-speed selector switch	•	•	•
Belt carrying kit	-	-	•
Harness carrying kit	-	-	•
Battery life*** with ULiB 1100,	Up to 2 days		

• Standard \*Values determined in accordance with 2000/14/EC directive and EN ISO 11201 and EN ISO 3744 acoustic measurement standards - With H 75 and 3800 spm/mn  
 \*\* Vibration emission value following EN 60745-2-15 - Kd uncertainty = 1.5m/s<sup>2</sup> - With H 75 and 3800 spm/mn  
 \*\*\* 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



## CO<sub>2</sub> EMISSIONS



**HELION makes it possible to avoid more than 99% of the direct emissions of a petrol engine; or emits 188 times less! And, if you recharge your PELLENC batteries with our Solerion solar charger, CO<sub>2</sub> emissions are completely eliminated.**

	PETROL HEDGE TRIMMER Direct emissions + petrol production	HELION Direct emissions + electricity production	WITH SOLERION Direct emissions
Carbon equivalent /hour	4.3 kg CO <sub>2</sub> /hour	23 g CO <sub>2</sub> /hour	0 g CO <sub>2</sub> /hour
Carbon equivalent/day	25 kg CO <sub>2</sub> /day	138 g CO <sub>2</sub> /day	0 g CO <sub>2</sub> /day
Carbon equivalent/year	5.2 tons CO <sub>2</sub> /year	27 kg CO <sub>2</sub> /year	0 g CO <sub>2</sub> /year

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO<sub>2</sub>/kWh in France, covering production and the remainder of its life (ADEME-France) – 1 L of SP95 super fuel has a carbon equivalent of 2.5 kg CO<sub>2</sub>/L in direct emissions and 5.5 kg CO<sub>2</sub>/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.

## ACCESSORIES & CONSUMABLES

### Cutterbars



5 different cutterbars:  
from 27 cm to 75 cm.

- 27 cm - Ref. 57029
- 51 cm - Ref. 56202
- 63 cm - Ref. 56203
- 75 cm - Ref. 56204
- 63 D - Ref. 57009

### Biodegradable cleaner for resin



For cleaning and lubricating  
cutting devices.

Ref.: 73974

### Tube of grease



For lubricating the  
blade reducer.

Ref.: 74588

### Carrying belt kit



Improves comfort while  
working - attaches to  
the belt.

Ref.: 74668

### 10.30 m extension lead



10.30 m male/female lead  
allowing you to work with the  
battery on the ground. Only  
works with the Helion

Ref.: 100994

### Carrying harness kit



Improves working  
comfort – attaches to  
the battery harness.

Ref.: 79297

### Counterweight



For better balancing of  
the hedge trimmer pole.

Ref.: 86669









# EXCELION 2000

## ROBUST, POWERFUL AND LIGHTWEIGHT



SALON DES MAIRES ET DES  
COLLECTIVITÉS LOCALES

FINALIST 2013

PAYSALIA

2013  
1<sup>ST</sup> PRIZE

DEMOPARK

2013  
SILVER MEDAL

AQUIFLOR

2013  
2<sup>ND</sup> PRIZE

*The Excelion 2000 brush cutter is extremely user friendly, quiet, lightweight, and robust. With its removable handle, which is practical for transport, making adjustments and finding the ideal work position is easy. In addition, for a professional user the different cutting heads offer exceptional work quality.*

**Lionel Reynaud**

Landscaper at La Tour d'Aigues



# EXCELION 2000

## A BRUSH CUTTER MADE TO LAST

Designed for routine maintenance or intensive mowing, the EXCELION 2000 Professional will meet the expectations of even the most demanding users. This robust, powerful and lightweight brush cutter perfectly eliminates tall, dense grass, woody weeds, brambles and shrubs. Powered by a Pellenc ULiB 1100 battery, its quiet, non-polluting operation, and low vibration increases comfort. Several cutting heads can be interchanged on the Excelion 2000, offering different options for getting the job done.



*Brush cutting finishing work - France*



## THE PELLENC +

### PROFESSIONAL

- Power equivalent to a 45 cc brush cutter
- For mowing large areas and all types of landscaping
- Autonomy of a half day's work in Eco mode

### ERGONOMIC

- Handlebar grip with Soft Touch coating
- Perfect balancing of the tool for improved working comfort
- Ergonomic carrying harness that guarantees freedom of movement

### ECO-FRIENDLY

- Work quietly
- Zero emissions and zero pollution

### COST-EFFECTIVE

- At least €8 of petrol saved per day
- No motor maintenance
- No 2-stroke mix needed
- Multi-purpose battery



*A highly accurate rotation speed*



*Site clearing in a thicket - France*



## PRODUCT ADVANTAGES



### Angle transmission

This PELLENC designed angle transmission in magnesium is very light and durable, enabling perfect balancing of the machine. Specific work aimed at minimising the noise produced by the mechanism was carried out. In addition, the hardware is integrated preventing any possible loss of the fixing screws.



### PELLENC twisted wire

PELLENC twisted wire significantly improves the performance of the brush cutter, both in terms of energy consumption, as well as noise. It was specially designed to provide high resistance to abrasion, thus avoiding excessive wire consumption.



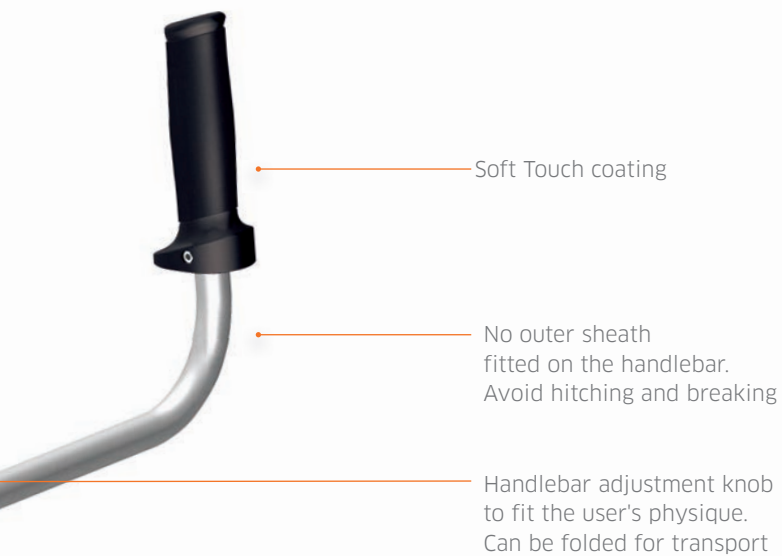
### Economy Mode

An Eco mode is available on the brush cutter. It offers the double advantage of prolonged use of the machine as well as working at low speed to avoid projections, particularly in urban areas.



### Double harness

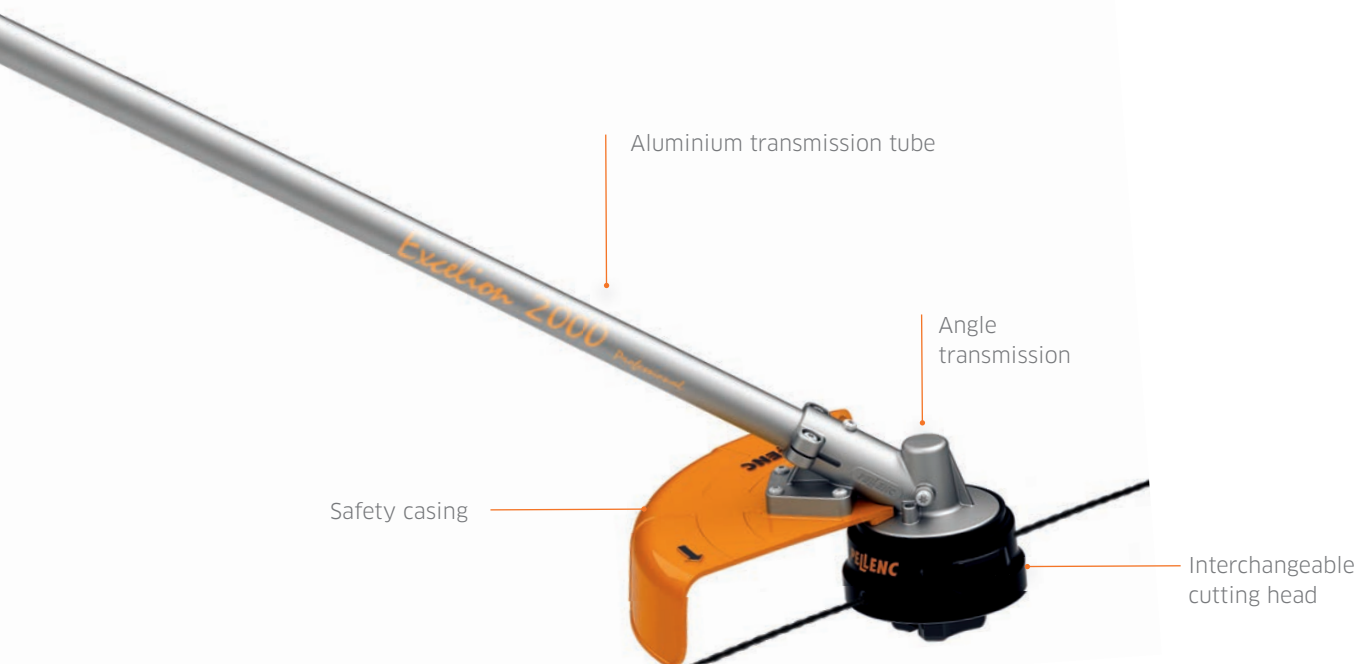
Ergonomic and optimised harness for carrying the trimmer with its incorporated battery carrier. Special attention was paid to developing a very efficient harness in terms of balance and comfort.



FOR MORE INFORMATION!



Scan this code with your smartphone



### Cutting head PELLENC patent

The 4 interchangeable cutting heads have been developed to make them easier to use: Roll Cut, Tap Cut, Multi Cut and Blade Cut. The wire loading systems and the blade attachments have been patented for the Roll Cut, Cut Tap, and Multi Cut cutting heads.

Excelcion 2000 is delivered without a cutting head. You can choose the cutting head that is most suitable to your needs.

## SPECIFICATIONS

Excelion 2000	
Maximum power - W	2,000
Petrol motor equivalence - cc	45
Weight (excluding cutting tool and casing) - kg	5.4
Max. speed rotation - rpm	
- Standard mode	2,000 to 6,200
- Eco mode	2,000 to 4,200
Wire diameter - Ø	2.4 mm mini/3 mm maxi
Loading ROLL CUT*	Ø 2.4 -> 9 m/3 -> 6 m
Loading TAP CUT*	Ø 2.4 -> 5 m/3 -> 3.5 m
Sound level (LPA)* - dB(A)	84
Noise level (LWA)* - dB(A)	97
Right handle vibration level (ah)** - m/s <sup>2</sup>	< 1.6
Left handle vibration level (ah)** - m/s <sup>2</sup>	< 2.3
Interchangeable cutting heads	ROLL CUT / TAP CUT / BLADE CUT / MULTI CUT
Battery life in Eco mode*** with Ulib 1100	Up to 5 hours

• Standard

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

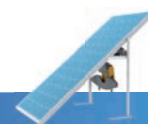
\*\* Vibration emission value following DIN EN 60745-1:2009 - Kd uncertainty = 1.5 m/s<sup>2</sup>

\*\*\* 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



Excelion 2000 makes it possible to reduce direct emissions by approximately 98% compared to a petrol-engine—that's 58 times less emissions! And, if you recharge your PELLENC batteries with our Solerion solar charger, CO<sub>2</sub> emissions are completely eliminated.

## CO<sub>2</sub> EMISSIONS



	PETROL BRUSH CUTTER Direct emissions + petrol production	EXCELION 2000 Direct emissions + electricity production	WITH SOLERION Direct emissions
Carbon equivalent /hour	3,532 kg CO <sub>2</sub> /hour	73 g CO <sub>2</sub> /hour	0 g CO <sub>2</sub> /hour
Carbon equivalent/day	21,192 kg CO <sub>2</sub> /day	438 g CO <sub>2</sub> /day	0 g CO <sub>2</sub> /day
Carbon equivalent/year	4 tons CO <sub>2</sub> /year	600 kg CO <sub>2</sub> /year	0 g CO <sub>2</sub> /year

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO<sub>2</sub>/kWh in France, covering production and the remainder of its life (ADEME-France) – 1 L of SP95 super fuel has a carbon equivalent of 2.5 kg CO<sub>2</sub>/L in direct emissions and 5.5 kg CO<sub>2</sub>/L in production + direct emissions – Basis: 6 hours of work daily and 200 day of work yearly.



## ACCESSORIES & CONSUMABLES

### ROLL AND CUT TAP CUT



**ROLL CUT**  
For mowing large areas.  
Manual wire trimmer head.  
Ref.: 57076



**TAP CUT**  
For mowing and clearing  
edges Semi-automatic  
wire trimmer head.  
Ref.: 57078



**HEAD screw for Roll Cut**  
Ref.: 106803

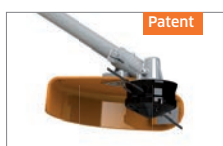


**Plastic reel for Tap Cut**  
Ref.: 107373



**Twisted polyamide wire**  
Shell 56 m - Ø 3 mm  
Ref. 108911  
Shell 70 m - Ø 2.4 mm  
Ref. 79601

### MULTI CUT



**MULTI CUT**  
For all types of mowing.  
Wire and blade  
cutting head.  
Ref.: 57075



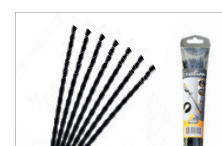
**Two-prong blades**  
For intensive clearing  
of tall grass.  
Ø 255 mm - Ref. 79600



**8 tooth blade for clearing  
tall, dry grass.**  
Ø 200 mm - Ref. : 85176



**Multi Cut casing**  
Ref. 81116



**Twisted polyamide wire**  
Tube of 50, 20 cm strands  
Ø 2.4 mm - Ref. 79602

### BLADE CUT



**BLADE CUT**  
For mowing tall grass,  
brush or shrubs  
Blade head.  
Ref.: 57080



**Two-prong blades**  
For intensive clearing  
of tall grass.  
Ø 320 mm - Ref. 110279



**Trident Blades**  
For clearing  
thick, high grass.  
Ø 320 mm - Ref. 114700



**Mulching cutter**  
For mulching woody  
vegetation, dense or  
thorny brush vegetation.  
Ø 240 mm - Ref. : 110281



**Clearing saw**  
For gently  
trimming shrubs.  
Ø 200 mm - Ref. 111700



**Mandatory use  
of a shield required with  
the mulching blade.**  
Ref. 111600



**Aluminium casing**  
Mandatory use with  
the clearing saw and  
8-tooth blade.  
Ref. 111500



**Blade Cut casing**  
Ref. 106645

### Other accessories



**Grease tube for  
the bell-crank**  
Ref. 110284



**Protective bag for  
the cutting heads**  
Ref. 111800



**Double harness**  
Ref. 110283 - Standard



**Standard casing**  
Ref. 107533 - Standard









# EXCELION 1200 COMBINING VERSATILITY AND PRECISION

*I invested in a brush cutter, two chainsaws, pruning shears and a high capacity battery. With one battery for a series of tools, the practical aspect is obvious. The significant advantage in relation to petrol equipment is the quiet operation. That means total comfort both for the user and the people on the campsite. Another advantage is the perfect ergonomics. With the battery strapped on the back, the weight is perfectly distributed. Work can be done for hours on end without excessive fatigue."*

**Robert Birebent**

Domaine de la Serre Camp grounds - France



## EXCELION 1200

### A VERSATILE GRASS CUTTER

EXCELION 1200 is a multifunction grass trimmer used for finishing work as well as for intensive cutting of tall, dense grass. Its ergonomics and handling was carefully designed to make it possible to work comfortably thanks to its anti-vibration handle. Particular attention was paid to designing the carrying harness on this 2014 model, which is simplified and has a tightening sleeve that is easier to use. Now, you can choose the cutting head that's best suited to your needs by choosing from the range of interchangeable cutting heads.



*Brush cutting on the edge of Sydney Harbour - Australia*





## THE PELLENC +

### PROFESSIONAL

- Power equivalent to a 30 cc brush cutter
- Designed for both brush cutting and finishing work
- 3 interchangeable cutting heads for different uses
- Autonomy from 1/2 day to a whole day's work

### ERGONOMIC

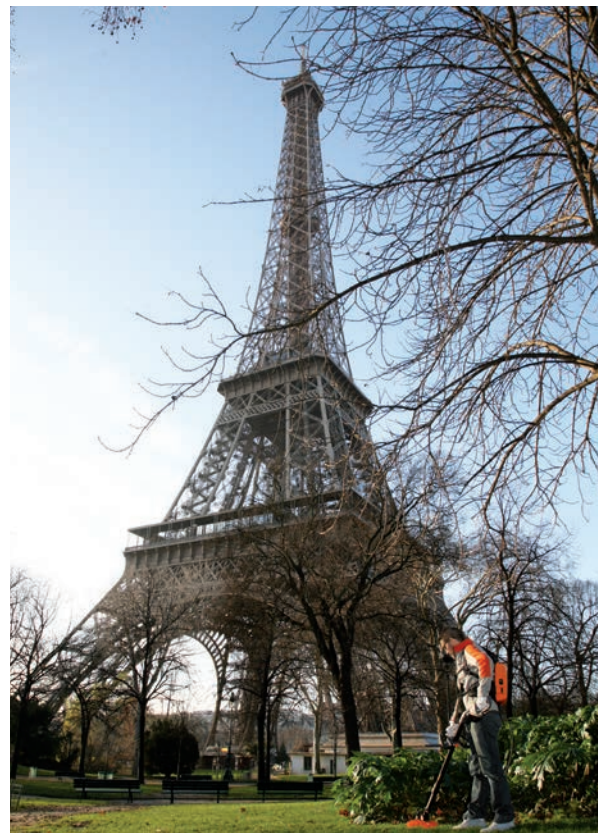
- Angled handle for a better grip
- Adjusts to the user's physique: telescopic pole, swivel head, and adjustable handle

### ECO-FRIENDLY

- Quiet working environment
- Zero emissions and zero waste

### COST-EFFECTIVE

- At least €8 of petrol saved per day.
- Low maintenance
- No 2-stroke mix needed
- Multi-purpose battery



Finishing work in front of the Eiffel Tower, Paris - France



Site clearing in a park - Italy

## PRODUCT ADVANTAGES



### Cutter heads

3 adaptable and interchangeable cutting heads for finishing or intensive mowing. Easy loading of wires, with several wire diameters acceptable on the same head for the Roll Cut and Tap Cut. Multi Cut can be loaded with wires or blades.



### Speed selector

The four positions are used to adapt the cutting speed according to the vegetation. In urban areas, low speed prevents the projection of gravel or pebbles. Good management of the selector saves on battery use.

PELLENC patent



### Anti-vibration system

The Soft Touch coated handle reduces vibrations for more comfortable and less strenuous work.



### Progressive trigger

The trigger allows you to precisely control the power output.



FOR MORE INFORMATION!



Scan this code with your smartphone



Excelion 1200 is delivered without a cutting head.  
You can choose the cutting head that is most suitable to your needs.

## SPECIFICATIONS

Excelion 1200	
Maximum power - W	1200
Petrol motor equivalence - cc	30
Weight (excluding cutting tool and casing) - kg	3.8
Max. speed rotation - rpm	2000 to 6,200
ROLL CUT wire loading* - Ø	Ø 2.4 -> 9 m / Ø 3 -> 6 m
TAP CUT wire loading* - Ø	Ø 2.4 -> 5 m / Ø 3 -> 3.5 m
MULTI CUT wire loading* - Ø	strands of 20 cm in Ø 2.4 mm and Ø 3 mm
Sound level (LPA)* - dB(A)	83
Noise level (LWA)* - dB(A)	91
Right handle vibration level (ah)** - m/s <sup>2</sup>	< 2.5
4-speed selector switch	•
Interchangeable cutting heads	ROLL CUT - CUT TAP - MULTI CUT
Battery life*** with ULiB 1100,	Up to 5 hours

• Standard

\*Values determined according to the 2000/14/EC directive and acoustic measurement standards EN ISO 11201 and EN ISO 3744

\*\* Vibration emission value following EN 60745-1 - Kd uncertainty = 1.5m/s<sup>2</sup> and EN ISO 22867

\*\*\* 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



**EXCELION makes it possible to reduce direct emissions by nearly 98% compared to a petrol engine - that means 64 times less emissions! And, if you recharge your PELLENC batteries with our Solerion solar charger, CO<sub>2</sub> emissions are completely eliminated.**

## CO<sub>2</sub> EMISSIONS



	PETROL BRUSH CUTTER Direct emissions + petrol production	EXCELION Direct emissions + electricity production	WITH SOLERION Direct emissions
Carbon equivalent/hour	3.5 kg CO <sub>2</sub> /hour	56 g CO <sub>2</sub> /hour	0 g CO <sub>2</sub> /hour
Carbon equivalent/day	21 kg CO <sub>2</sub> /day	336 g CO <sub>2</sub> /day	0 g CO <sub>2</sub> /day
Carbon equivalent/year	4.2 tons CO <sub>2</sub> /year	67 kg CO <sub>2</sub> /year	0 g CO <sub>2</sub> /year

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO<sub>2</sub>/kWh in France, covering production and the remainder of its life (ADEME-France) – 1 L of SP95 super fuel has a carbon equivalent of 2.5 kg CO<sub>2</sub>/L in direct emissions and 5.5 kg CO<sub>2</sub>/L in production + direct emissions – Basis: 6 hours of work daily and 200 day of work yearly.



## ACCESSORIES & CONSUMABLES

### ROLL AND CUT TAP CUT



**ROLL CUT**  
For mowing large areas.  
Manual wire trimmer head.  
Ref.: 57076



**TAP CUT**  
For mowing and clearing edges  
Semi-automatic wire trimmer head.  
Ref.: 57078



**HEAD screw for Roll Cut**  
Ref.: 106803



**Plastic reel for Tap Cut**  
Ref.: 107373



**Twisted polyamide wire**  
Shell 56 m - Ø 3 mm  
Ref. 108911  
Shell 70 m - Ø 2.4 mm  
Ref. 79601

### MULTI CUT



**MULTI CUT**  
For all types of mowing.  
Wire and blade cutting head.  
Ref.: 57075



**Two-prong blades**  
For intensive clearing of tall grass.  
Ø 255 mm - Ref. 79600



**8 tooth blade for clearing tall, dry grass.**  
Ø 200 mm - Ref. : 85176



**Aluminium casing**  
Mandatory use with the 8-tooth blade.  
Ref. 87137



**Multi Cut casing**  
Ref. 81116



**Twisted polyamide wire**  
Tube of 50, 20 cm strands  
Ø 2.4 mm - Ref. 79602

### Other accessories



**Protective bag for the cutting heads**  
Ref. 111800



**Double harness**  
Ref. 112982 - Standard



**Standard casing**  
Ref. 80367 - Standard









# CULTIVION

## CULTIVATING SOIL HAS NEVER BEEN SO EASY!

*Garden care with these impressively ergonomic power tools has become a pleasurable experience for me and my clients. The road ahead is now full of new and exciting opportunities thanks to Pellenc!*

**Mr. Troy Bray**  
Landscaper - Australia



## CULTIVION

# A TOOL THAT SIMPLIFIES AN ARDUOUS TASK

The CULTIVION soil cultivator is the only one of its kind in the world and can be used across a large range of applications from working the soil to weeding. Due to its light weight and stable characteristics, CULTIVION is very easy to use. CULTIVION allows you to work on the surface of the soil as well as at depth.



*Surface work*





## THE PELLENC +

### PROFESSIONAL

- Exceptional quality and speed of work.
- Designed with agricultural workers, vegetable growers, and green spaces gardeners in mind
- Runs for a full day's work

### ERGONOMIC

- Work at depth or on the surface with 9 easily adjustable positions
- Small footprint and very good handling

### ECO-FRIENDLY

- Using the cultivator once is the equivalent to watering twice
- An alternative to chemical weedkillers
- Zero emissions and zero waste

### MULTIPLE-FUNCTION

- Uses: hoeing, weeding, soil aeration, etc.
- 5 toothed blades for different uses

### COST-EFFECTIVE

- Time savings
- Low maintenance
- Multi-purpose battery

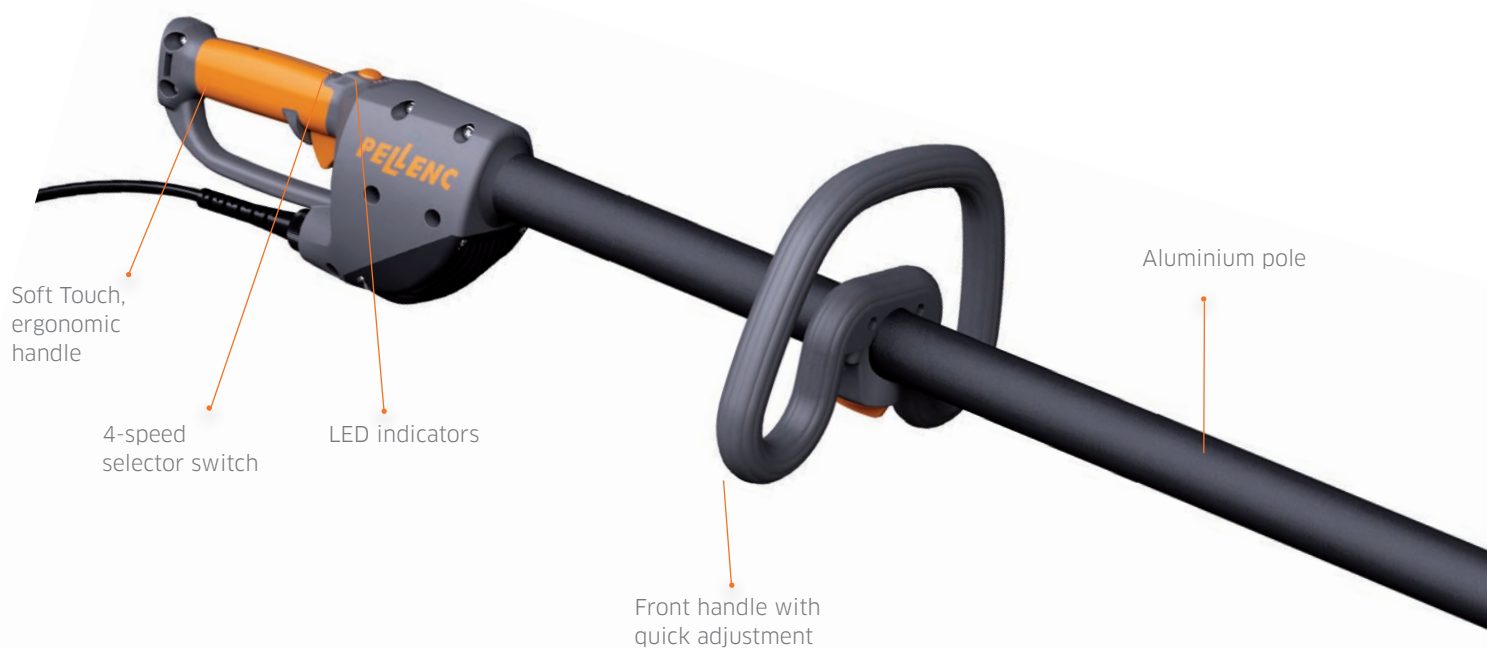


*Precision work between ornamental plants*



*Cultivating in a group of rose bushes*

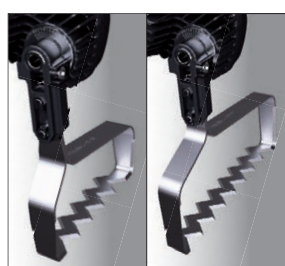
## PRODUCT ADVANTAGES



### Efficiency

CULTIVION blades work with an oscillating motion. This very rapid movement (up to 885 spm) provides the tool with the power and efficiency that facilitates penetration into the soil.

PELLENC patent



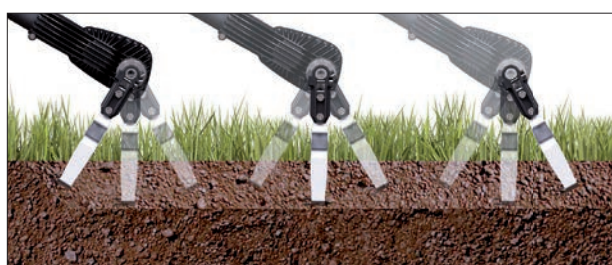
### Multipurpose

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

### Stability

Unlike soil tillers, CULTIVION is stable when working without the need to force the machine. CULTIVION was designed to perform work backwards, which avoids trampling of the area already worked.





FOR MORE INFORMATION!



Scan this code with your smartphone



Revolutionary PELLENC motor  
with electronic switching

9 tool tilting angles

Cultivating  
head is quickly  
interchanged

Serrated blade:  
better soil  
penetration

## SPECIFICATIONS

CULTIVION	
Max. power - W	380
Petrol motor equivalence - cc	10
Weight - kg	3.1
Oscillation speed - HZ	13 to 15
Tool speed - bps/mn	800 to 885
Number of blades	5
Blade tilting positions	9
Noise level ( $L_{pA}$ )* - dB(A)	82
Guaranteed noise level ( $L_{WA}$ )* - dB(A)	91
Front handle vibration level ( $a_h$ )** - $m/s^2$	14.4
Rear handle vibration level ( $a_h$ )** - $m/s^2$	10.2
4-speed selector switch	•
Adjustable handle	•
Interchangeable blades	•
Battery life*** with ULiB 1100,	Up to 2 days

• Standard

\*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  $m/s^2$

\*\*\* 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.



**CULTIVION makes it possible to reduce direct emissions by nearly 98% compared to a petrol engine - that means 58 times less emissions! And, if you recharge your PELLENC batteries with our Solerion solar charger, CO<sub>2</sub> emissions are completely eliminated.**

## CO<sub>2</sub> EMISSIONS



	PETROL ROTARY CULTIVATOR Direct emissions + petrol production	CULTIVION Direct emissions + electricity production	WITH SOLERION Direct emissions
Carbon equivalent /hour	2.5 kg CO <sub>2</sub> /hour	43 g CO <sub>2</sub> /hour	0 g CO <sub>2</sub> /hour
Carbon equivalent/day	15 kg CO <sub>2</sub> /day	258 g CO <sub>2</sub> /day	0 g CO <sub>2</sub> /day
Carbon equivalent/year	2.9 tons CO <sub>2</sub> /year	52 kg CO <sub>2</sub> /year	0 g CO <sub>2</sub> /year

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO<sub>2</sub>/kWh in France, covering production and the remainder of its life (ADEME-France) – 1 L of SP95 super fuel has a carbon equivalent of 2.5 kg CO<sub>2</sub>/L in direct emissions and 5.5 kg CO<sub>2</sub>/L in production + direct emissions – Basis: 6 hours of work daily and 200 day of work yearly.



## ACCESSORIES & CONSUMABLES

### 16 cm V-shaped blade



For working on hard soil,  
for ploughed trenches.

Ref.: 83849

### 8 cm blade



For finishing work,  
with reduced vibrations.

Ref.: 100422

### 16 cm blade



For a job that is  
medium duty and  
at depth.

Sold as standard

Ref.: 81251

### 22 cm blade - weeding



For work on the surface,  
for removing weeds.

Ref.: 84125

### 22 cm blade



For a job that is  
extensive and at depth.

Ref.: 79779









# SELION C20

## MANOEUVRABILITY, LIGHTNESS, AND POWER!



SALON DES MAIRES

2009  
INNOVATION AWARD

*I am very satisfied with the battery performance, which supports an intensive workload and does not interfere with the user's movement. The Selion C20 chainsaw is light, powerful and saves me an enormous amount of time. The low noise level is a real advantage in terms of comfort as well as safety, because it is vital to be able to communicate with the worker on the ground. Obviously, one of the benefits that is most appreciated is not having to breathe in exhaust fumes.*

**Mr. Giulio Boschi**  
Arborist - Italy



## SELION C20

# A WELL-BALANCED PRECISION PRUNER

Pruning requires specialised knowledge and suitable equipment. PELLENC offer arborists a model that will meet their expectations in terms of weight, balance, manoeuvrability, and power. Equipped with numerous innovations, the Selion C20 pruning chainsaw was designed for professionals.



*Pruning of a plane tree on the side of the road*





## THE PELLENC +

### PROFESSIONAL

- Pellenc brushless motor 2000 W (equivalent to 45 cc)
- No gears and direct drive to the chain sprocket: better durability and safety
- Specially designed for arborists for use with the POLY 5 battery
- Runs for a full day's work of tree pruning

### ERGONOMIC

- Ergonomic Soft Touch handle
- Only 2 kg to in hand!

### ECO-FRIENDLY

- Noise-free operation
- Zero emissions and zero waste

### COST-EFFECTIVE

- At least €7 of petrol saved per day.
- Time savings
- Low maintenance
- Uses up to 30% less chain oil



*Cutting down an old umbrella pine*



*Precision work on an umbrella pine*

## PRODUCT ADVANTAGES

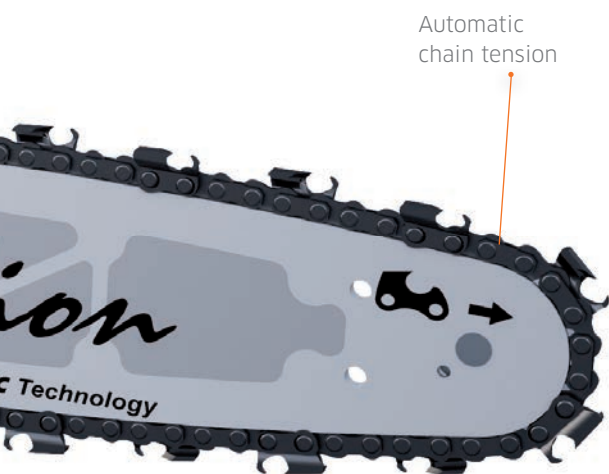




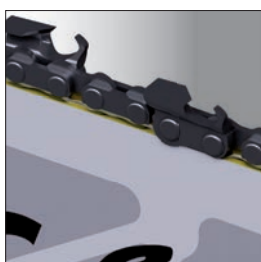
FOR MORE INFORMATION!



Scan this code with your smartphone



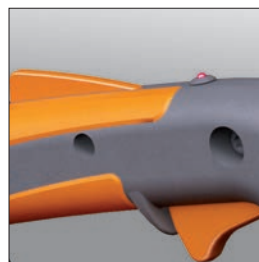
Automatic  
chain tension



### Electronic management of oil flow

The system adjusts chain lubrication according to the cutting force required.

PELLENC patent



### Safety

Safety is paramount and PELLENC has developed **4 innovations** to help protect the user:

- 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 the chain brake of a petrol-operated chainsaw.
- The second safety feature is part of the tool's auto-diagnostic system: SELION checks during first use that the electronic kickback sensor is operational, if this is the case, the machine will operate!
- The third safety feature is the double-press start-up trigger: this prevents accidental start-up of the chainsaw.
- The final safety feature is the use of OREGON chains with little kickback: the kickback phenomenon, if it occurs, will be much less violent than that of a traditional chainsaw.



### Integrated folding key

This wrench retightens the chain and gives quick access to the pin and the chain.

PELLENC patent



### Automatic chain tension

The chain guide is mounted on a spring which allows the chain to tighten automatically.

PELLENC patent



### Electronic chain brake

The chain brake activates instantly in case of fall or kick-back.

PELLENC patent

## SPECIFICATIONS

SELION C20	
Max. power - W	2000
Petrol motor equivalence - cc	45
Weight - kg	2
Motor speed - rpm	6200
Chain speed - m/s	14.5
Guide length - cm / inches	30/12"
OREGON CHAIN Spacing	¼"
Type / Number of links	25AP / 70E
Sprocket wheel	11 quarter inch (¼ ") teeth
Tank capacity - cl	25
Sound pressure ( $L_{pA}$ )* - dB(A)	84
Guaranteed noise level ( $L_{WA}$ )* - dB(A)	96
Front handle vibration level ( $a_h$ )** - m/s <sup>2</sup>	2.8
Peristaltic pump	•
Automatic chain tensioner	•
Integrated folding key	•
Electronic chain brake	•
Battery life*** with POLY 5 ULiB	Up to 1 day

• Standard

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

\*\* Vibration emission value following DIN EN 60745-2-13:2008 - Kd 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.



## CO<sub>2</sub> EMISSIONS



**SELION makes it possible to reduce direct emissions by nearly 99 % compared to a petrol engine - that means 121 times less emissions! And, if you recharge your PELLENC batteries with our Solerion solar charger, CO<sub>2</sub> emissions are completely eliminated.**

	PETROL CHAINSAW Direct emissions + petrol production	SELION Direct emissions + electricity production	WITH SOLERION Direct emissions
Carbon equivalent /hour	4 kg CO <sub>2</sub> /hour	34 g CO <sub>2</sub> /hour	0 g CO <sub>2</sub> /hour
Carbon equivalent/day	24 kg CO <sub>2</sub> /day	204 g CO <sub>2</sub> /day	0 g CO <sub>2</sub> /day
Carbon equivalent/year	4.9 tons CO <sub>2</sub> /year	40 kg CO <sub>2</sub> /year	0 g CO <sub>2</sub> /year

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO<sub>2</sub>/kWh in France, covering production and the remainder of its life (ADEME-France) – 1 L of SP95 super fuel has a carbon equivalent of 2.5 kg CO<sub>2</sub>/L in direct emissions and 5.5 kg CO<sub>2</sub>/L in production + direct emissions – Basis: 6 hours of work daily and 200 day of work yearly.



## ACCESSORIES & CONSUMABLES

### 12" guide

30 cm guide made of composite material.



Sold as standard

Ref.: 72884

### 1/4" - 25AP - 70E OREGON chain

Anti-kickback chain



Sold as standard

Ref.: 81794

### 12" carving guide

Carving bar.



Ref.: 80344

### Sharpening kit

Contents: round file, flat file and threader.



Ref.: 68520

### Organic chainsaw oil



5 litre jerrycan.  
Biodegradable  
chain oil.

Ref.: 85920









# SELION M12

## A LIGHTWEIGHT ELECTRIC PRUNER!



AGRILEVANTE

2011  
TECHNICAL INNOVATION AWARD

SIVAL

2011  
DISTINCTION

VINITECH

2010  
BRONZE MEDAL

*One of the advantages is the option of using several tools with the same battery. For example, olive growers can use the Treelion M45 pruning shears, the Selion M12 chainsaw and the Olivion shaker rake with the same battery."*

**Mr. William Maury**  
Olive grower - Italy



## SELION M12

# THIS PROFESSIONAL AND LIGHTWEIGHT PRUNER... IS THE FIRST OF ITS KIND!

The SELION M12 is one of a kind, thanks to its weight and its exclusive design that lends itself to a wide range of potential uses. Whether in green spaces, vineyards or orchards, SELION M12 makes light work of pruning with its size, precision and quality cutting power.



*Olive growing pruning season*





## THE PELLENC +

### PROFESSIONAL

- PELLENC 1200 W Brushless motor (Equivalent to 30 cc)
- No gears and direct drive to the chain sprocket: better durability and reliability
- Pruner designed for fruit growers and vineyards
- At least a full day's work from a single charge

### ERGONOMIC

- One of a kind with its unique design
- Ergonomic Soft Touch handle
- Only 1.7 kg in hand!

### ECO-FRIENDLY

- Noise-free operation
- Zero emissions and zero waste

### COST-EFFECTIVE

- At least €7 of petrol saved per day
- Time savings
- Low maintenance
- Uses up to 30% less chain oil



*Pruning vines*



*Pruning an orchard tree*

## PRODUCT ADVANTAGES





FOR MORE INFORMATION!



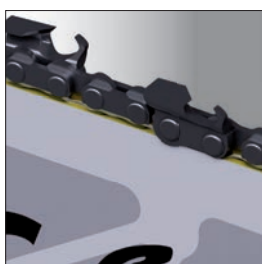
Scan this code with your smartphone

Removable  
chain guard

PELLENC guide  
made of composite  
material



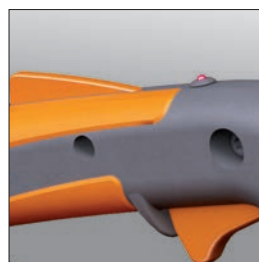
Automatic  
chain tension



## Electronic management of oil flow

The system adjusts chain lubrication according to the cutting force required.

PELLENC patent



## Safety

Safety is paramount and PELLENC has developed **4 innovations** to help protect the user:

- 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.

- The second safety feature is part of the tool's auto-diagnostic system: SELION checks during first use that the electronic kickback sensor is operational, if this is the case, the machine will operate!
- The third safety feature is the double-press start-up trigger: this prevents accidental start-up of the chainsaw.
- The final safety feature is the use of OREGON chains with little kickback: the kickback phenomenon, if it occurs, will be much less violent than that of a traditional chainsaw.



## Integrated folding key

This wrench retightens the chain and gives quick access to the pin and the chain

PELLENC patent



## Automatic chain tension

The chain guide is mounted on a spring which makes it possible for the chain to tighten automatically.

PELLENC patent



## Electronic chain brake

The chain brake activates instantly in case of fall or kick-back.

PELLENC patent

## SPECIFICATIONS

SELION M12	
Max. power - W	1200
Petrol motor equivalence - cc	30
Weight - kg	1.7
Motor speed - rpm	5,200
Chain speed - m/s	10.3
Guide length - cm / inches	15/6"
OREGON CHAIN Spacing Type / number of links	¼" 25AP / 42E
Pins	9 quarter inch (¼ ") teeth
Tank capacity - cl	7
Sound pressure (L <sub>PA</sub> )* - dB(A)	86
Guaranteed noise level (L <sub>WA</sub> )* - dB(A)	96
Front handle vibration level (a <sub>h</sub> )** - m/s <sup>2</sup>	2.8
Peristaltic pump	•
Automatic chain tensioner	•
Integrated folding key	•
Electronic chain brake	•
Carrying case	•
Battery life*** with ULiB 1100,	Up to 2 days

• Standard

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

\*\* Vibration emission value following DIN EN 60745-2-13:2008 - 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.



**SELION makes it possible to reduce direct emissions by nearly 99 % compared to a petrol engine - that means 121 times less emissions! And, if you recharge your PELLENC batteries with our Solerion solar charger, CO<sub>2</sub> emissions are completely eliminated.**

## CO<sub>2</sub> EMISSIONS



	PETROL CHAINSAW Direct emissions + petrol production	SELION Direct emissions + electricity production	WITH SOLERION Direct emissions
Carbon equivalent /hour	4 kg CO <sub>2</sub> /hour	34 g CO <sub>2</sub> /hour	0 g CO <sub>2</sub> /hour
Carbon equivalent/day	24 kg CO <sub>2</sub> /day	204 g CO <sub>2</sub> /day	0 g CO <sub>2</sub> /day
Carbon equivalent/year	4.9 tons CO <sub>2</sub> /year	40 kg CO <sub>2</sub> /year	0 g CO <sub>2</sub> /year

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90 g CO<sub>2</sub>/kWh in France, covering production and the remainder of its life (ADEME-France) – 1 L of SP95 super fuel has a carbon equivalent of 2.5 kg CO<sub>2</sub>/L in direct emissions and 5.5 kg CO<sub>2</sub>/L in production + direct emissions – Basis: 6 hours of work daily and 200 day of work yearly.



## ACCESSORIES & CONSUMABLES



### 6" carving guide

Carving bar for pruning or woodcutting.



Sold as standard

Ref.: 80343

### 6" Anti-kickback guide

15 cm guide made of composite material.



Comes standard while stocks last.

Ref.: 78790

### Sharpening kit

Contents: round file, flat file and threader.



Ref.: 68520

### 1/4" - 25AP - 42E OREGON chain

Anti-kickback chain



Sold as standard

Ref.: 71550









# SELION POLE GO HIGHER AND LIGHTER!



**FOREXPO**

2008  
DISTINCTION FOR  
"SAFETY AND WORKING CONDITIONS"

*I use Pellenc equipment, in particular the 36 Olivium, 10 Selion Pole and 20 Lixion. Since 2006, our interest in these products has increased steadily, given their technological innovation that meets the present and future needs of our grape and olive growing production processes.*

**Mr. Abdelaziz El Kouane**  
Production Manager, the Brahim Znibe  
Group Vineyards



# SELION POLE PRUNING AT HEIGHT WITHOUT EFFORT

The SELION P130 and SELION P180 fixed polesaws and SELION T150/200 and SELION T220/300 telescopic polesaws cut with precision. With a reach of up to 3 meters, work can be carried out without a carrying harness because of their lightness. SELION polesaws are ideal for use in noise sensitive areas. They are also powerful enough for forestry work.



*Pruning on a golf course*





## THE PELLENC +

### PROFESSIONAL

- PELLENC 1200 W Brushless motor (Equivalent to 30 cc)
- 4 models with fixed or telescopic pole
- At heights of up to 3 m
- Used for pruning olive trees, or for forestry work
- At least a full day's work from a single charge

### ERGONOMIC

- Multi-position tilting head
- Stability when cutting thanks to its lightness

### ECO-FRIENDLY

- Uses biodegradable chain oil
- Zero emissions and zero waste

### COST-EFFECTIVE

- At least €7 of petrol saved per day.
- Time savings
- Low maintenance
- Uses up to 30% less chain oil



*Olive growing pruning season*

## PRODUCT ADVANTAGES



## SELION POLE RANGE



SELION P130



SELION P180



SELION T150-200



SELION T220-300

FOR MORE INFORMATION!



Scan this code with your smartphone





Integrated folding key

Electronic management of oil flow

Automatic tensioning of the chain

Revolutionary PELLENC motor with electronic switching

PELLENC guide made of composite material



## Automatic chain tension

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

PELLENC patent



## Multi-position tilting head

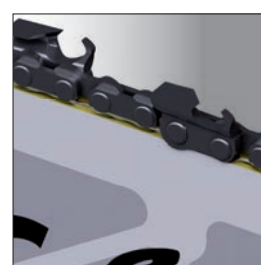
The tool easily adapts to the working environment, thanks to its head, which tilts to  $+90^\circ/-45^\circ$ .



## Integrated folding key

This wrench retightens the chain and gives quick access to the pin and the chain.

PELLENC patent



## Electronic control of oil flow rate

The system adjusts chain lubrication according to the cutting force required.

PELLENC patent

## SPECIFICATIONS

SELION POLE	P130	P180	T150/200	T220/300
Max. power - W	1,200	1,200	1,200	1,200
Petrol motor equivalence - cc	30	30	30	30
Weight - kg	2.7	2.8	2.9	3.4
Motor speed - rpm	5,200	5,200	5,200	5,200
Length of the pole - cm	130	180	150 to 200	220 to 300
Chain speed - m/s	10.3	10.3	10.3	10.3
Guide length - cm / inches	25/10"	25/10"	25/10"	25/10"
Oregon chain Spacing Type / Number of links	¼" 25AP / 58E	¼" 25AP / 58E	¼" 25AP / 58E	¼" 25AP / 58E
Pins	9 teeth (¼" each)	9 teeth (¼" each)	9 teeth (¼" each)	9 teeth (¼" each)
Tank capacity - cl	25	25	25	25
Sound pressure ( $L_{PA}$ )* - dB(A)	86	84	82	80
Guaranteed noise level ( $L_{WA}$ )* - dB(A)	93	91	91	93
Vibration level ( $a_h$ )** - m/s <sup>2</sup>	≤ 2.5	≤ 2.5	≤ 2.5	≤ 2.5
Multi-position tilting head	+90°/-45°	+90°/-45°	+90°/-45°	+90°/-45°
Telescopic pole	-	-	•	•
Peristaltic pump	•	•	•	•
Automatic chain tensioner	•	•	•	•
Integrated folding key	•	•	•	•
Battery life*** with ULiB 1100,	Up to 2 days			

• Standard

\*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 DDIN EN ISO 11680-1:2002/2009 - Kd 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.



## CO<sub>2</sub> EMISSIONS



**SELION makes it possible to reduce direct emissions by nearly 99 % compared to a petrol engine - that means 121 times less emissions! And, if you recharge your PELLENC batteries with our Solerion solar charger, CO<sub>2</sub> emissions are completely eliminated.**

	PETROL CHAINSAW Direct emissions + petrol production	SELION Direct emissions + electricity production	WITH SOLERION Direct emissions
Carbon equivalent /hour	4 kg CO <sub>2</sub> /hour	34 g CO <sub>2</sub> /hour	0 g CO <sub>2</sub> /hour
Carbon equivalent/day	24 kg CO <sub>2</sub> /day	204 g CO <sub>2</sub> /day	0 g CO <sub>2</sub> /day
Carbon equivalent/year	4.9 tons CO <sub>2</sub> /year	40 kg CO <sub>2</sub> /year	0 g CO <sub>2</sub> /year

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90 g CO<sub>2</sub>/kWh in France, covering production and the remainder of its life (ADEME-France) – 1 L of SP95 super fuel has a carbon equivalent of 2.5 kg CO<sub>2</sub>/L in direct emissions and 5.5 kg CO<sub>2</sub>/L in production + direct emissions – Basis: 6 hours of work daily and 200 day of work yearly.



## ACCESSORIES & CONSUMABLES

### 10" guide

25 cm guide made of composite material.



Sold as standard

Ref.: 66756

### 1/4" - 25AP - 58E OREGON chain

Anti-kickback chain



Sold as standard

Ref.: 64486

### Sharpening kit



- 1 round file
- 1 flat file
- 1 threader

Ref.: 68520



*TreeLion*  
**M45**

**PEILENC**





# TREELION POWERFUL AND PRECISE PRUNING SHEARS

*My work consists of pruning olive trees in some of the most isolated places on various continents. That's why I need reliable and safe pruning shears for my work. My Treelion M45 pruning shears not only offer me the peace of mind and the professional reliability that I'm looking for, they are also a pleasure to work with.*

**Chris Butler**  
CEO and founder of OLIVE MATTERS - Italy



## TREELION

# VERSATILITY THAT WILL STAND UP TO THE TOUGHEST CHALLENGES

The TREELION pruning shear range offers users unrivalled cutting power and quality of work. Whether it is the TREELION M45 handheld model or the TREELION D45 two-handed pole model, they function in the same way and offer the same adjustments. TREELION pruning shears are able to cut up to 45 mm in diameter, and are suitable for fruit growing as well as green spaces.



*Pruning season in an olive grove*





## THE PELLENC +

### PROFESSIONAL

- Exceptional speed and cutting power
- Cutting diameter up to 45 mm
- A range of 4 models
- Continuous or pulsed mode
- Designed for large sections of intensive pruning in orchards or parks
- Battery lasts for at least a full day's work

### ERGONOMIC

- Adjustable intermediate opening
- Unrivalled power and cutting quality
- Automatic safety standby
- Slim handle with Soft Touch coating
- Handle and head can be adjusted for left-handed users (for pole models)
- 3 two-handed pole models, for working at height or in dense vegetation

### ECO-FRIENDLY

- Zero emissions generated by a compressor or hydraulic unit

### COST-EFFECTIVE

- No compressor or hydraulic unit
- Autonomous (as Kit with battery) or adaptable version
- Multi-purpose battery



*Pruning a fruit tree*



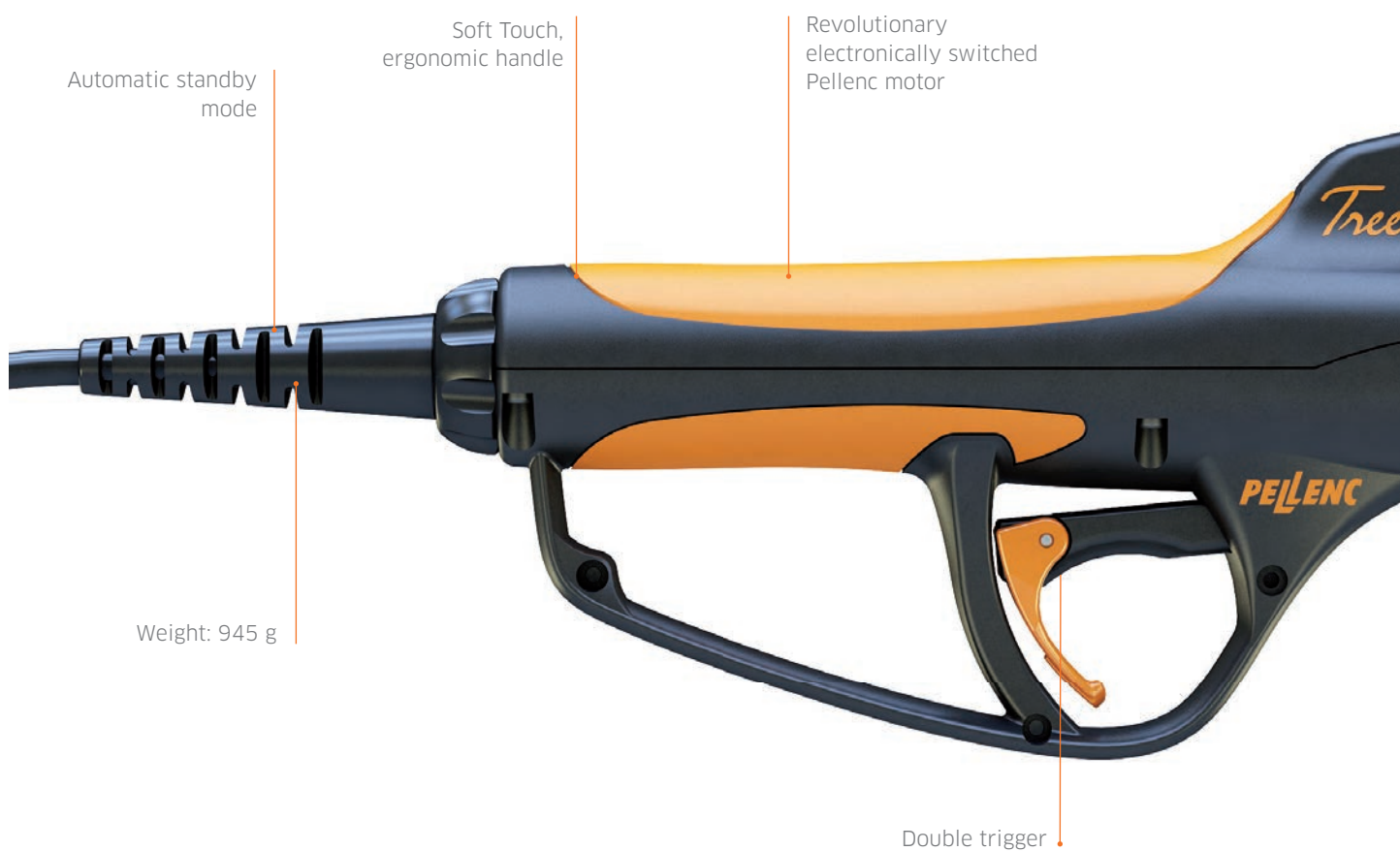
*Pruning an olive tree*

## PRODUCT ADVANTAGES

FOR MORE INFORMATION!



Pellenc motor with electronic switching



## TREELION RANGE



TREELION M45



TREELION D45-700



TREELION D45-900



TREELION D45-1500

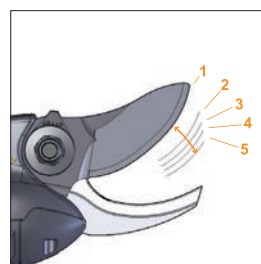




### 3 modes of operation

- Progressive Mode: for precision work
- Pulsed mode: for rapid and repeated cutting
- Wide opening mode: allows you to switch from an intermediate opening to a wide opening with a single press of the trigger.

PELLENC patent



### Flexibility of use

Pruning shears adjustment:

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

PELLENC patent

### Treelion Adaptable

Do you already own a Pellenc UliB battery?



The Treelion adaptable pruning shears is available without the Ulib 200 battery.

The adapter is included.



### Double Handle

- 3 two-handed models
- Great precision
- Left-/right-handed adjustment
- For working at height or in dense vegetation.

PELLENC patent



### Double trigger

The double trigger system allows you to switch from a semi-opening to a wide one with a single press. The user benefits from a gain in speed and ease of use.

PELLENC patent

## SPECIFICATIONS

TREELION	D45-1500	D45-900	D45-700	M45
Max. power - W	1000	1000	1000	1000
Weight - kg	1.9	1.7	1.6	0.945
Motor speed - rpm	18,000	18,000	18,000	18,000
Length - mm	1,500	900	700	215
Blade opening - mm	65	65	65	65
Cutting diameter - mm	45	45	45	45
Sound pressure ( $L_{PA}$ )* - dB(A)	≤ 70	≤ 70	≤ 70	≤ 70
Guaranteed noise level ( $L_{WA}$ )* - dB(A)	≤ 81	≤ 81	≤ 81	≤ 81
Vibration level ( $a_h$ )** - m/s <sup>2</sup>	≤ 2.5	≤ 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 all PELLENC ULiB	•	•	•	•
Battery life*** with ULiB 400,	Up to 3 days			

• Standard

\* 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.



## ACCESSORIES & CONSUMABLES



### TREELION cutting head pin kit

Pruning shears blade pin, nut and washers



Ref.: 73100

### Tube of grease



For lubricating the cutting head

Ref.: 31676

### Sharpening stone

For cleaning and sharpening the blade.



Ref.: 02322

### TREELION blade kit



Ref.: 73101









# LIXION EVOLUTION

## THE BENCHMARK FOR PRUNING IN VITICULTURE



VINITECH  
2004  
BRONZE MEDAL

*I manage a 16-hectare property in Saint-Émilion grand cru where the quality of pruning is essential to the prestige of the appellation. I truly appreciate the Lixion Evolution for its great cutting quality, its battery-life and the comfort of its new harness. The quality of the new blade makes sharpening the pruning shear easier and less frequent. Finally, the lithium-ion technology used by Pellenc means that the batteries do not have to be recharged during the summer period, which is an undeniable advantage.*

**Mr. Igor Leclere**  
Château Musset Chevalier - SAINT-É million Grand Cru



# LIXION EVOLUTION

## POWERFUL AND PRECISE

Specially designed for viticulture, the LIXION Evolution pruning shears improve working conditions thanks to their easy handling, ergonomics, cutting quality and new battery harness. LIXION Evolution was designed for all pruning activities with its large range of blades and different cutting heads. PELLENC has more than 35 years of experience designing and manufacturing pruning shears!



*Pruning season at a vineyard in the Vaucluse*





## THE PELLENC +

### PROFESSIONAL

- The LIXION Evolution shears provide precise cutting quality thanks to the gradual closure of the blade
- Cutting is powerful (up to 35 mm in diameter) and quick (82 spm).
- A range of PELLENC/Pradines blades.
- 3 year warranty\*
- Battery life: lasts for up to 3 working days
- Designed for the viticulture sector

### ERGONOMIC

- New 200 battery carrier for enhanced comfort during use.
- Pruning shears that are very easy to handle: weighing only 787 g.
- Can be used with or without gloves.
- Adaptable for right-handed or left-handed use

### ECO-FRIENDLY

- Zero emissions generated by a compressor or hydraulic unit

### COST-EFFECTIVE

- No compressor or hydraulic unit
- Increased productivity
- Multi-purpose battery

\*Motor, pruning shears power card, wiring kit and battery components.



Pruning in an Italian vineyard



Pruning with the 400 ULiB battery

## PRODUCT ADVANTAGES

FOR MORE INFORMATION!



Scan this code with your smartphone



### Lixion Evolution Adaptable



400



700



1100



Poly 5

### Do you already own a Pellenc UliB battery?

The Lixion Evolution adaptable pruning shears are available without the UliB 200 battery. The adapter is included.





## A wide range of Pradines blades and Pellenc cutting heads

Adapt your Lixion Evolution pruning shears to the size that suits your vineyard



Selection guide	Evolution range (option)	Standard Range (option)	Evolution II cutting head (standard)
Types of blades	SIMPLE	PERFORMANCE	ERGONOMICS
Classic blades: intensive pruning in hard wood with large diameters	 RIGHT OR LEFT HANDED	 RIGHT OR LEFT HANDED	 RIGHT-HANDED
Feather blades: fine and precise pruning for better penetration in softwoods	 RIGHT OR LEFT HANDED	 RIGHT OR LEFT HANDED	-
Sharpness	YES	NO	YES



## SPECIFICATIONS

LIXION Evolution	
Max. power - W	700
Weight - g	787
Motor speed - rpm	16,000
Length - mm	197
Blade opening - mm	53
Cutting diameter - mm	35
Number of interchangeable blades	9
Number of cutting heads	2
Sound pressure ( $L_{PA}$ )* - dB(A)	≤ 70
Guaranteed noise level ( $L_{WA}$ )* - dB(A)	≤ 81
Vibration level ( $a_h$ )** - $m/s^2$	≤ 2.5
Automatic standby mode	•
Operates with 200 ULiB	•
Operates on all PELLENC ULiB	•
Carrying case	•
Battery life*** with ULiB 200,	Up to 3 days

• Standard

\* 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 =  $1.5 m/s^2$

\*\*\* 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.



## ACCESSORIES & CONSUMABLES



### New Evolution II cutting head



- Evolution II hook  
Ref.: 100304
- Evolution II blade kit  
Ref.: 100305
- Axis kit  
Ref.: 30001

### Blades



- Evolution classic  
Comes standard  
Ref.: 87053 (left-handed  
user - 87055)
- Evolution feather  
Ref.: 87054 (left-handed  
user - 87056)
- Standard classic  
Ref.: 40392 (left-handed  
user - 47835)
- Standard feather  
Ref.: 40743 (left-handed  
user - 53618)
- Evolution II  
ref.: 100303

### Sharpening stone



For cleaning and  
sharpening the blade.

Sold as standard

Ref.: 02322

### Tube of grease



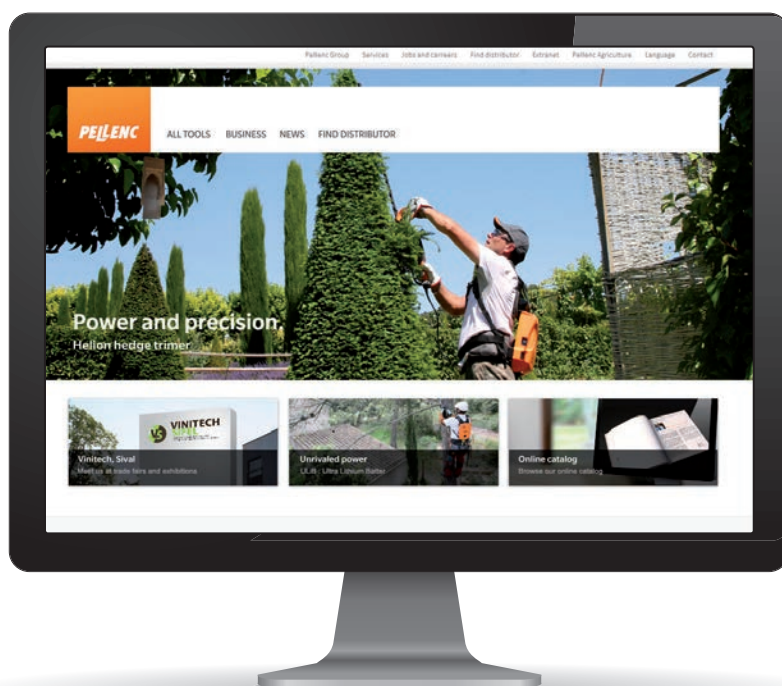
For lubricating  
the cutting head.

Sold as standard

Ref.: 31676

FIND ALL OF OUR PRODUCTS  
ON OUR WEBSITE

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



AND VISIT  
THE PELLENC GROUP AT  
[www. facebook .com/PellencGroup](http://www.facebook.com/PellencGroup)

We hope you enjoy browsing.





Distributor's stamp

PELLENC S.A.

Quartier Notre-Dame - Route de Cavaillon BP 47 - 84122 Pertuis Cedex - France

Tel.: +33 (0) 4 90 09 47 00 - Fax: +33 (0) 4 90 09 64 09 - E-Mail: [pellenc.sa@pellenc.com](mailto:pellenc.sa@pellenc.com) - [www.pellenc.com](http://www.pellenc.com)