



**DAVID**

SMART FARMING SOLUTIONS



**PRE-PRUNING, PRUNING AND LEAF STRIPPING**



**VITI**



**SETO**

# ID-REV

## Rev leaf puller for trellis vineyards.

Ideal to pull out the leaves around the grapes without damages. The two heads have an automatic sensitive adjustment to the canopy.



Independent flow adjustment on each movement.

Hydraulic tilting of the leaves pulling head.

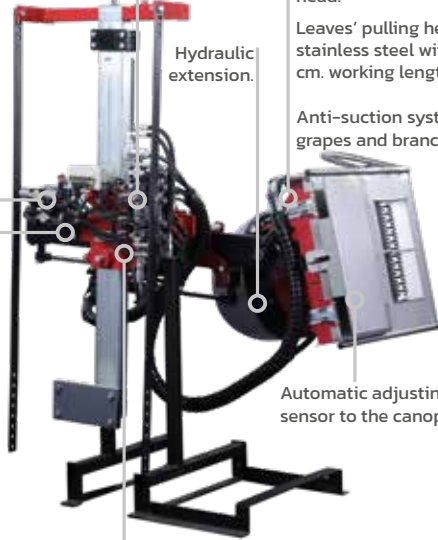
3 MODELS

Leaves' pulling head in stainless steel with 45 cm. working length.

Anti-suction system for grapes and branches.

Hydraulic movement by 220° both left and right.

Compact and strong frame, with robotized weldings.



# PV-VIEW

Trimmer for vineyards and hedge crops to keep canopy under control. High working speeds, clean cut, low maintenance and excellent view from the cab. Available 4 cutter bars and 6 electro-hydraulic functions.



Heavy duty frame and robotic welding.

9 MODELS

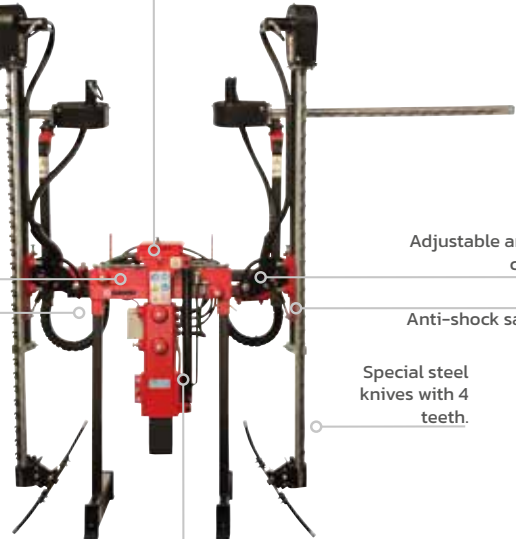
Self-lubricating sliding tray with adjustable nylon rollers.

Double hydraulic cylinders with synchronized extension, without joints and mechanisms.

Adjustable angle of the cutting bar.

Anti-shock safety system.

Special steel knives with 4 teeth.



Hydraulic lift (useful as a hydraulic jack for installation on tractor).

# PV-L

## L-shaped trimmer for vines and hedges.

Designed to control canopy growth in small farms or hillside plantations. It allows high working speeds, a clean cut, low maintenance and excellent vision from the cab.



Cutting bars with excentric crankshaft.

Hydraulic inclination of the horizontal cutting bar (depending on model).

6 MODELS

Self-lubricating sliding tray with adjustable nylon rollers.

Anti-shock safety system.

Simultaneous inclination of vertical and horizontal bars.

Special steel knives with 4 teeth.

Heavy duty frame and robotic welding.

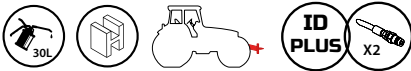
Hydraulic side-shift with parallelogram.





# BASIC-L

**Light pre-pruner to use in espalier vineyard.** Optimal for cutting and eliminate the branches between wires. Cutting head opens by using the joystick.



Equipment entirely hydraulic driven (possibility to have different movements simultaneously).

Hydraulic side-shift with parallelogram.

Anti-shock security fuse. Hydraulic lifting.



Head's opening through hydraulic cylinder (opening safe system on posts).

Bilateral cutting head (allows unraveling the stretched wires that could be cut from the head).

Pradines Boron steel cutting discs.

6 MODELS



# ID-PLUS

ID PLUS

Our exclusive solutions development to control any ID equipment having electrohydraulic fonctions.



- + Flexible and upgradeable.
- + Sensorization.
- + Technology.
- + Smart control.
- + Versatility.

### The multifunction joystick

Allows both to electronically manage and control all ID DAVID machines equipped with our smart control system: ID-PLUS



11 integrated switchable buttons

Connection for update of the ID equipment software



# PV-TUNEL

**Inverted "U" type cane trimmer for vineyards and hedges.** Designed to keep canopy growth under control in a full row formed on slopes or hills. It allows high working speeds, a clean cut, low maintenance and excellent vision from the cab.



Reciprocating cutting bars.

Self-lubricating sliding tray with adjustable nylon rollers.

Anti-shock safety system.

Special steel knives with 4 teeth.



Simultaneous inclination of vertical and horizontal bars.

Hydraulic side-shift with parallelogram.

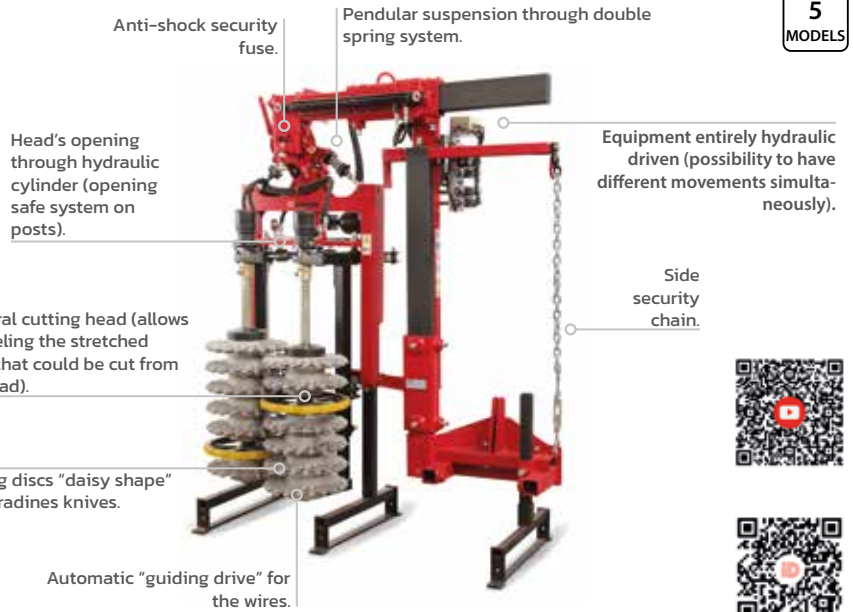
Heavy duty frame and robotic welding.

2 MODELS



# EFIC-P

**Pendular pre-pruning for espalier vineyard system**, perfect to cut and eliminate the branches between wires. Automatic opening of the head thanks to disc type "margarita".

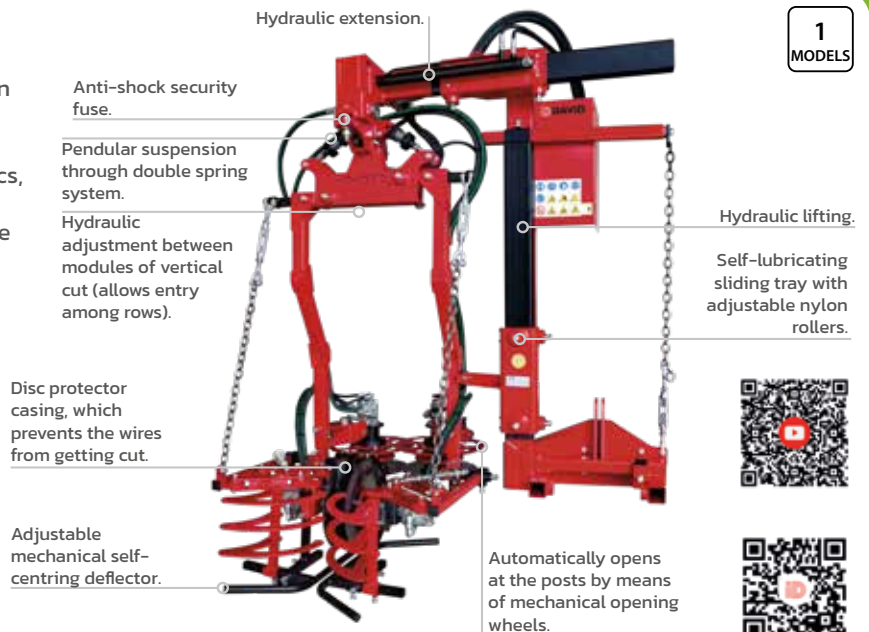
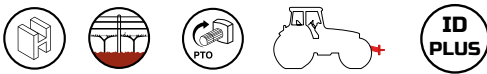


5 MODELS



# CONDOR

**Precision pruner.** Pruner designed to make precision cuts in vineyards with posts that go beyond the cordon, drastically reducing the need for manual intervention, or even avoiding it entirely. Its side discs, which can be adjusted using mechanical dampers, emulate the plant by making high-quality cuts, while the horizontal discs avoid the posts thanks to their mechanical opening wheels.



1 MODELS



# NAKIRI

**Tunnel precision pruner.** Pruning equipment designed for precision cutting in berries, blueberries, and vineyards on trellis system with posts that do not exceed the cordon line, drastically reducing or even entirely avoiding the manual operations.



1 MODELS





# WHY CHOOSE OUR EQUIPMENT?



## Versatility

- The ID-CONTROL joystick allows to control all the machines manufactured by ID David and equipped with the ID-PLUS or ID-MICRO technology.
- Models adjustable to any kind of plantation system.
- A configuration tailored to customer' needs.

### EFIC-P

- Strong main frame allowing front or rear 3P tractor linkage.



## Exclusivity

### BASIC-L

- The particular shape of the discs prevents wire breakage.

### EFIC-P / CONDOR / NAKIRI

- Maintains a constant verticality of the cutting head by the exclusive pendular suspension system that absorbing the ground irregularities.

### EFIC-P

- The cutting discs "efic shape" work between the wires of the espalier without damaging them, and open the way to the passage of the posts automatically or manually by using a switch.

### ID-REV

- Adjustable sensitive vine contact sensor head.
- It is possible to work from flowering to harvesting avoiding risk of damage to the grapes thanks to the absence of cutting blades.

### TRIMMERS

- The crankshaft runs unbalanced moving the blades for a 70% and counter blade for 30% to get a better penetration on the canopy.
- Blades sliding guides made of synthetic material with sliding properties.

### NAKIRI

- The first and unique range of pruners in the world equipping each disc with independent hydraulic motors since 2001.
- Automatic row guidance vs automatic self-centering system on the row (optional).
- Vine shoots, hanging or climbing branches lifter.



## Effectiveness

- Electrohydraulic system optimized for extremely low power consumption.

### CONDOR / NAKIRI

- Correct evacuation of the remains of the pruning.

### TRIMMERS

- It allows a working speed up to 12 km/h and a quality cut like "scissors".
- The cut type "scissor" generates less necrosis in certain types of crops compared to the cut by using a disc.
- Cutting elements supported by years of experience in the market.



## Safety

### ID-REV

- Total protection of the grapes thanks to the particular design of the suction roller.
- Easy cleaning of the leaf removal head.

### TRIMMERS

- The strong cutting bars allow green and dry cut.
- Total absence of branches pulled outside compared to the use of rotary knives trimmers.
- Frame with a high vision during work phase.

### BASIC-L

- The front tractor assembly offers optimal vision. The low weight allows the assembly on the centre of tractors starting from 60 HP with the opportunity to drive in reduced areas.

### EFIC-P / CONDOR

- Easy opening and closing adjustment of the discs to guarantee a good cut safeguarding the posts at the same time.



## Reliability

- Low maintenance.
- Components and materials of high quality.

### CONDOR / NAKIRI

- Motors with safety valve and automatic reset in case of a shut down.



## Sustainability

### ID-REV

- A good removal of the leaves improves ventilation and plant health by reducing the use of pesticides.

### TRIMMERS

- An optimal cut improves ventilation and plant health by reducing the use of phytosanitary products.
- Sustainable consumption: Equipment designed to be up-to-date and have a long service life.
- Our painting is lead-free and without toxic pigments.
- The low power required allows the use of small tractors with a lower carbon footprint.

# Our 3-keys eology

## ORGANIZATIONAL CULTURE:

We focused on **Lean Manufacturing** philosophy to improve operations management, products and workspaces

The **Agile** Methodology provides us a way to develop better projects in a faster manner, involving and organizing staff to operate as a whole

Mindset  
ID

Design is our attitude and **Design Thinking** is the tool to face challenges and solve problems, designing products and services focused on users, involving them in the creative process

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PYME INNOVADORA  
Módulo Puntos de I+D+i de diciembre de 2021

