

# MP1 MAST

Versatility



## The MP1 principle

A single mast for all your electro-hydraulically controlled tools as standard

Quick tool fitting

Performance.  
Profitability.  
Toughness.



### MP1 mast + DL-P pre-pruner

Diamant pre-pruner for MP1 tool holder mast. Damped tilting mounting. Tool hitching and quick connection



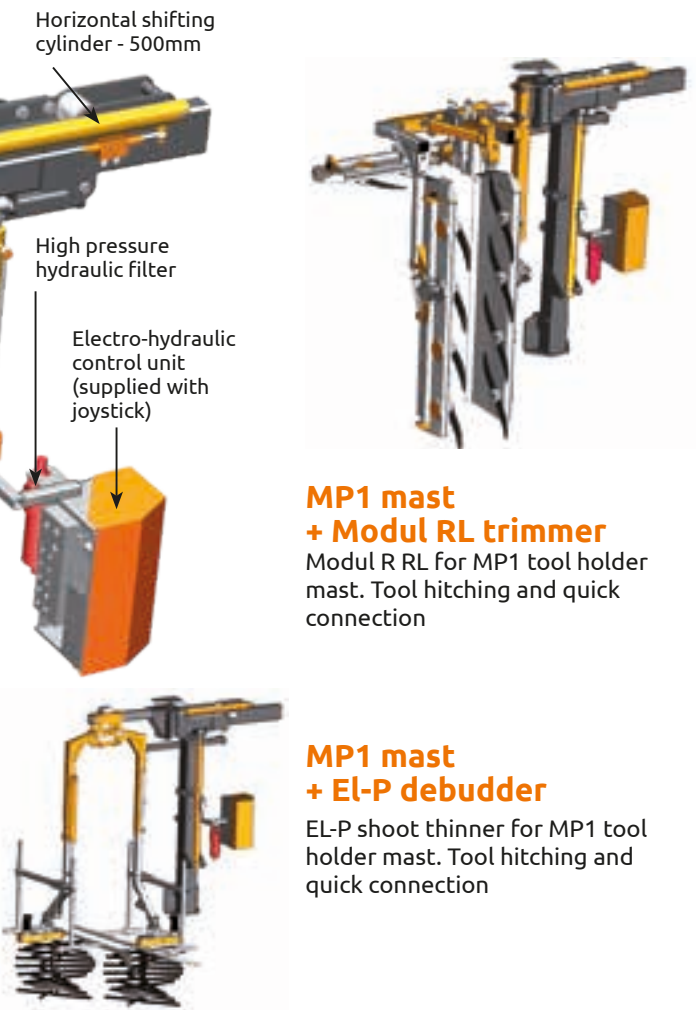
Simple and functional



Control ergonomics



Hydraulic centralization



### MP1 mast + Modul RL trimmer

Modul RL for MP1 tool holder mast. Tool hitching and quick connection

### MP1 mast + EL-P debudder

EL-P shoot thinner for MP1 tool holder mast. Tool hitching and quick connection

# Pre-pruners

Efficiency, speed and cost effectiveness



## Diamant pre-pruners On vineyard tractors

**Diamond DL, Complete Model**  
Diamant pre-pruner fitted with a single beam, 2- function mast. Damped tilting mounting. Control joystick (option).

**Diamond DL-P multipurpose model**  
Diamant pre-pruner for tool holder mast MP1 Damped tilting mounting. Tool hitching and quick connection



### Combine flexibility and speed

- ✦ **New opening kinematics:** At each opening a fast and flexible movement takes place.
- ✦ **Strong linkage:** ball joint-mounted opening cylinder and connecting rod.

### Simple and efficient hydraulic applications

- ✦ **Limited hydraulic requirement:** only 25L/min suffices for operation of the "Guyot" models.
- ✦ **Protection of components:** transmission of movement by flexible coupling.

### Respect for the vineyard

- ✦ **A clean cut very close to the vine stock:** sharp double discs in the lower part.
- ✦ **Respect of the prunings:** very compact bottom bearings
- ✦ **Damped tilting mounting system:** gives flexibility when working and follows irregularities in the trellising).

### Perfect trellis cleaning

- ✦ **Cutting with double discs:** cuts and extract all the trellising wood.
- ✦ **Sharp single discs:** cut the wood easily.
- ✦ **Adjustable cutting height:** Adjust the pre-pruning height according to the vineyard.

### Automatic opening at the stake

- ✦ **Simple and effective:** maintenance-free and reliable detection system.
- ✦ **Detection by probes:** in the presence of leaves or dense vegetation opening at the stake is systematic.
- ✦ **Adjustment at the stake:** adjustment of the distance between the probes by a simple pin.

The **DIAMANT** pre-pruning method gives **exceptional performance in any type of vineyard**. The patented system of **single and double discs** provides a **clean cut and exceptional cleaning the trellising**. This concept prevents entanglement with the wires and allows us to cut very close to the vine stock while respecting the prunings.

# TRIMMERS DEBUDDERS PRE-PRUNERS

for fitting to vineyard tractors



# Debudders

Designed to last



## Debudders On vineyard tractors

**EL debudder**  
Compact package and 2-function mast

**EL-P debudder**  
Multipurpose model for MP1 tool holder.

- ✦ **Rocker beam on a deformable parallelogram:** gives flexibility when working and follows irregularities in the row).
- ✦ **Single beam mast:** height and clearance adjustment. Optional joystick control.
- ✦ **Quick hitch:** front mounting. Optional automatic hitch.
- > Flow - motor: 20l/min
- > Flow - motor + cylinders: 28l/min

### Respect for the vine stock

- ✦ **Anti-wrapping disc system:** prevents the straps wrapping around the vine stock.
- ✦ **Offset shoot thinning head motors:** to work nearer to the cord without damaging it.
- ✦ **Guide rails:** height-adjustable to adapt to different vineyards.

### Optimal cleaning

- ✦ **Staggered shoot thinning heads:** To thin shoots right round the vine stock.
- ✦ **Inclined lower straps:** for better rootstock cleaning.
- ✦ **Anti-projection flaps:** to confine the shoot thinning area.

### Work in difficult conditions

- ✦ **Safety of shoot thinning elements:** folding the shoot thinning heads of case of impact.
- ✦ **Cross-fall compensator:** For management of Cross-fall by extension of the outside head.



### Technical characteristics

Model	Working height	Number of modules	Speed of heads	Number of motors
EL25 ou EL-P25	250 mm	1	400 to 800 rpm	2
EL30 ou EL-P30	300 mm	1+1		
EL35 ou EL-P35	350 mm	1+2		
EL40 ou EL-P40	400 mm	1+3		
EL45 ou EL-P45	450 mm	1		
EL50 ou EL-P50	500 mm	1+1		
EL55 ou EL-P55	550 mm	1+2		



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# RF trimmers

Visibility, power and robustness



## Hydraulic front trimmers

### Chassis Features

- > E-shaped chassis for vines from 1.30 to 2.50m
- > L-shaped chassis for vines from 1.80 to 3.00m
- ✦ **A double beam chassis** equipped with independent height (600mm) and clearance adjustment.
- Transport position: Width reduced by folding the horizontal and vertical cutting elements.
- ✦ **Front mounting:** attachment by a mounting plate. 4 holes, semi-automatic hitch (optional), or 3-point front hitch (optional). Staying by the top of the chassis for better stiffness when working.

### Safety devices

- ✦ Automatic return folding of the vertical and horizontal cutting elements.
- ✦ Hydraulic tests carried out in the factory.
- ✦ Standard signalling.
- ✦ Reinforced hydraulic hoses.
- ✦ In the version with electro-hydraulic controls: a high quality electro-hydraulic control unit.
- ✦ Made in France with regular quality checks on the components.



# RT trimmers

Stability and performance



## Hydraulic rear trimmers

### Chassis Features

- > E-shaped chassis for vines from 1.30 to 2.50m
- > L-shaped chassis for vines from 1.80 to 3.00m
- ✦ **A double beam chassis** equipped with independent height and clearance adjustment.
- ✦ **Transport position:** reduced width by mechanical folding of the horizontal cutting elements
- ✦ **Bogie axle:** assembly on a beam with wheels and tyres designed to be fitted with an optional hydraulic pump.



RT200 trimmer

### Safety devices

- ✦ Automatic return folding of the vertical and horizontal cutting elements.
- ✦ Bogie locking system for safe storage.
- ✦ Hydraulic tests carried out in the factory.
- ✦ Standard signalling. Reinforced hydraulic hoses.
- ✦ In the version with electro-hydraulic controls: high quality electro-hydraulic control unit, and a real joystick.
- ✦ Made in France with regular quality checks on the components.

# Trimmers RG100

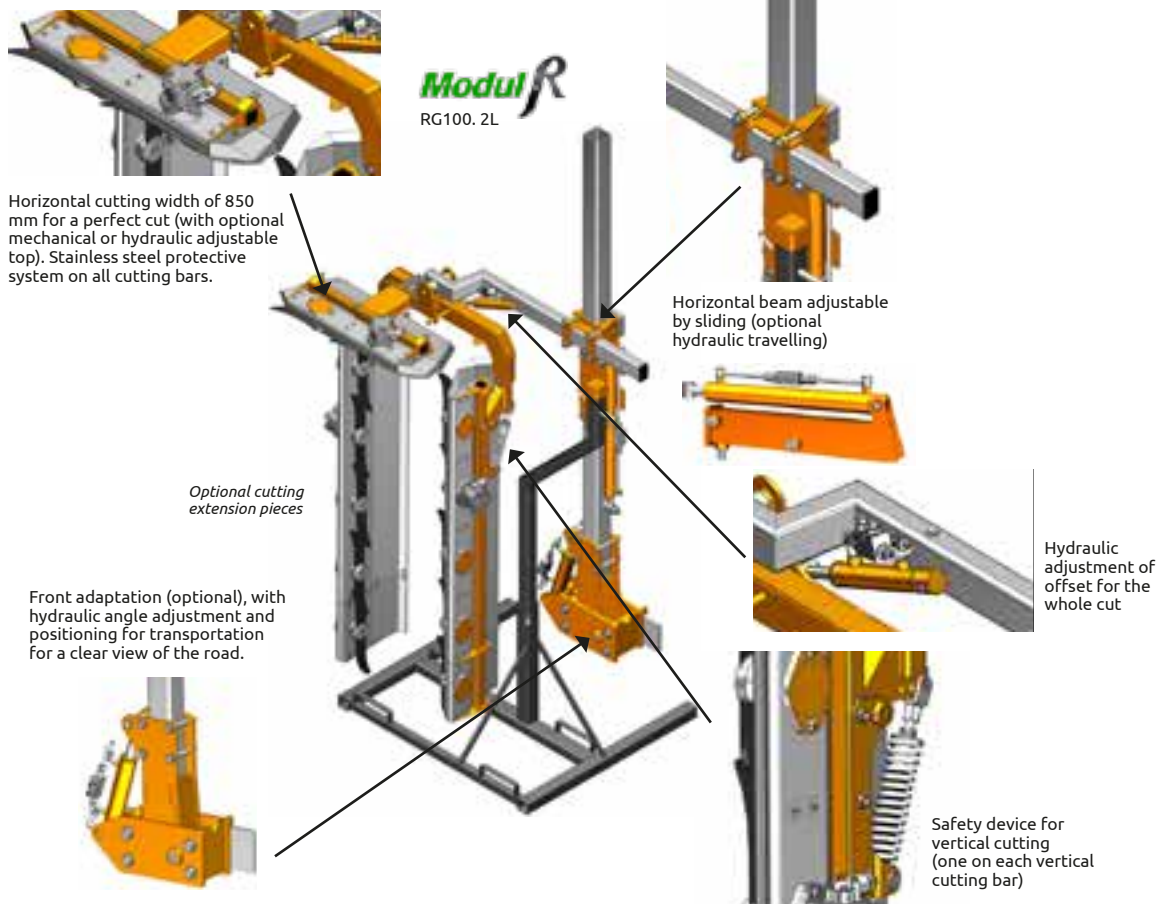
Versatility and compactness



## Trimmers RG100

Description of the standard equipment: 1 front or side-mounted complete row

- ✦ Single-beam frame with hydraulic elevation of 600mm
- ✦ Hydraulic adjustment of offset for the whole cut
- ✦ Horizontal beam adjustable by sliding
- ✦ Safety device for vertical cutting
- ✦ Vertical cutting widths 1.55 m, 4 blades, Ø 500
- ✦ Fixed top cutting width 0.50 m, 1 blade, Ø 500 (RG100,1L)
- ✦ Fixed top cutting width 0.85 m, 2 blades, Ø 500 (RG100,2L)
- ✦ Adjustment of vertical cutting angle
- ✦ Fastening by clamping
- ✦ Removal stand with castors



# RM mechanical trimmers

Simple, tough and economical



## Different versions designed for your vineyard

- ✦ Whether in the "1 complete row" version or the "2 half-rows" version or if you optimize your performance by using the "2 complete rows" model, the **COUPECO VITI RM** trimmer will give you total satisfaction for its ease of use and its toughness.
- ✦ Needing weak oil flow, it has components that have proved their reliability over many years.
- ✦ Whatever your requirements it will face them without any difficulty, while respecting your vineyard and your budget.



### Chassis features

- ✦ **Two versions for all vineyards:**
  - > E-shaped chassis for vines from 1.40 to 2.00m
  - > L-shaped chassis for vines from 1.80 to 3.00m
- ✦ A double beam chassis equipped with optional independent hydraulic height (E 400mm, L 550mm) and clearance adjustment (E 2x300mm. 2X600mm)
- ✦ Skid shoe kit standard, wheels or bogie optional.

## The answer to the diversity of vineyards

- ✦ **Height adjustable top cutting elements (option):** variation of 500mm with manual or hydraulic adjustment.
- ✦ **Vertical cut angle adjustment Row width adjustment:**
  - > E-shaped chassis from 0.45 to 0.55mm.
  - > L-shaped chassis from 0.54 to 0.65mm.

### Toughness and reliability

- ✦ Monobloc profile for better stiffness.
- ✦ **Well proved built-in mechanical transmission:**
  - > Transmission of movement by a bevel gear box.
  - > A simple and rugged design for minimum maintenance.
  - > 16 hp bevel gear box, with pulley mounted on a monobloc unit with a double bearing.

### Technical characteristics

Model	Configuration
RM 100E/L	
RM 150E/L	
RM 200E/L	



### Technical characteristics

Model	Configuration	Zinc plated steel pruning blade	ARCOR T GLISS pruning blade	Safety of vertical cuts	Safety of horizontal cuts	Mecha/hydr adjustable top	Sylvose	Cross fall	Shifters	Mechanical tilting tops	Hydraulic tilting tops	Hydraulic width	Transport mode
RF100													
RF170													
RF200													
RT100													
RT170													
RT200													

Model	Configuration	Zinc plated steel pruning blade	ARCOR T GLISS pruning blade	Safety of vertical cuts	Mecha/hydr adjustable top	Vertical cuts 155 cm	Vertical cuts 170 cm	Vertical cuts 185 cm	Hydraulic hanging cutter	Adjustable hydraulic offset	Hydraulic gauge adjustment	Storage stand
RG100. 1L												
RG100. 2L												

● Standard ○ option

