



CANOPY MANAGEMENT

ERO VITIPULSE COMBI DEFOLIATOR

ERO developed the VITipulse Combi to give growers the best of both worlds for canopy management – a defoliator with rollers to strip from the exterior and air to get right into the centre of the canopy.

Germany's leading manufacturer of specialist viticulture machinery, ERO, has long offered growers a range of high-quality leaf removal tools including the Elite, the 'suck and pluck' roller defoliation method, and the VITipulse, the pneumatic air blast method.

Wanting to combine these two technologies into one machine, ERO developed the VITipulse Combi.

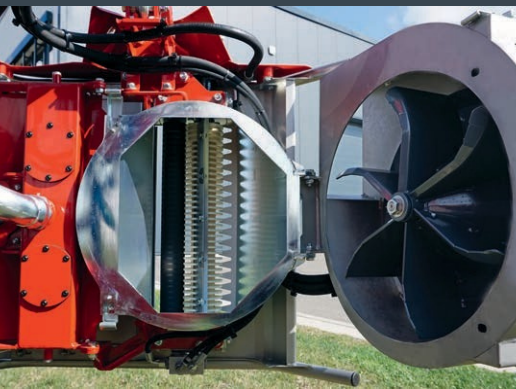
With the VITipulse Combi, more targeted defoliation results can be achieved as the roller removes the external leaves, which then allows the air blast to better penetrate through to the inner part of the canopy.

Operators can choose to either combine the use of both systems or run them individually and independently from each other.

The air blast system can only be used at certain times of the year. Ideally before bunch set and then just before harvest to remove leaves and make it easier for picking.

Those using the machine early on in the season will also be able to use the VITipulse Combi for fruit thinning as the air blast method successfully removes any unset berries.

From the in-cab terminal, operators can control the number



of rotations per minute on the roller as well as the pressure and intensity of the air blast system. Oil temperature can also be monitored via the user-friendly display.

There is also the option to set the machine up to strip the east-side more than the west and have the machine automatically adjust as you turn into the next row.

Specifications:

- Oil flow rates 80 l/min
- Working speeds of 5-5.5km/h
- Intensity of defoliation can be set separately for either side
- Adjustment of roller fan rpm, with mirror function
- Adjustment of rotor speed (rpm) and air pressure

- Individual air shut-off on VITipulse heads (optional)
- Continuous adjustment of the defoliation rate (fan speed) up to switching off the defoliator heads (each defoliating on the right or on the left) - with mirror function (optional)
- Terminal Display for adjustments and display of compressor oil temperature
- Safety shutdown in case of excessive pressure
- Parallelogram unit suspension
- Hydraulic width adjustment
- Manual fan angle adjustment
- Hydraulic tilt of defoliator heads (optional)
- Support for lift with hydraulic angle adjustment (optional)
- Defoliator heads with stainless steel front shield

- Guide runners to protect trellis
- No tools are required for opening the housing for cleaning and maintenance
- Double-acting hydraulic mast with cylinder inside the mast, 800 mm stroke
- 1100mm hydraulic mast with 800mm stroke (optional)
- Storage stand
- Compressor unit on frame

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