ERO

GRAPELINER

Series 8000



Perfection in the vineyard

First things first: the harvested product



The basis of a good wine can be found in the vineyard. That's why we focused on the quality of the harvest when developing the Grapeliner 8000.

Our tried-and-tested three-stage grape cleaning system, integrated with the newly developed **PROselect** destemmer and **PROselect+** sorting table (new larger design) ensures the best quality fruit, at maximum yield.

Thanks to the patented automated self-levelling system, the grapes are always distributed evenly across the **PROselect+** sorting table, delivering a perfectly sorted crop even when working on gradients up to 35%.





Standard equipment:

- Spacious comfort cab with vibration damping, automated air conditioning, radio with USB and Bluetooth functionality, air-sprung comfort seat, electrically adjustable and heated exterior mirrors, roomy storage compartment, coolbox, front and back sun blinds, tinted windows and a USB charging port
- Economical, electronically controlled 4-cylinder engine (AGCO Power), EU Stage V emissions-certified
- TwinLock™ drive system (Poclain) improves climbing performance and boosts safety even in difficult terrain
- Three shaker amplitude settings
- Shaker spacing adjusted hydraulically from the driver's seat
- Ultrasonic height display with memory function
- Gradient display in percent
- Speed control unit for steady travel speed and consistent crop quality
- Grape bin with a capacity of 2200 L (optionally, 2600 L or 3000 L) and side tipping
- Three-stage leaf separation system
- Standstill monitoring of conveyor belts, blowers and all harvesting functions

See p. 28 for an overview of standard equipment and options.

Sustainability, boosted efficiency and even higher operator comfort: three more reasons the Grapeliner 8000 is at the top of its class. The new series of grape harvester features low fuel consumption, thanks to a state-of-the-art AGCO Power engine. The intuitive user interface with specially developed in house software is easy to operate.

Harvesting head:
a crop that could have been hand-picked.

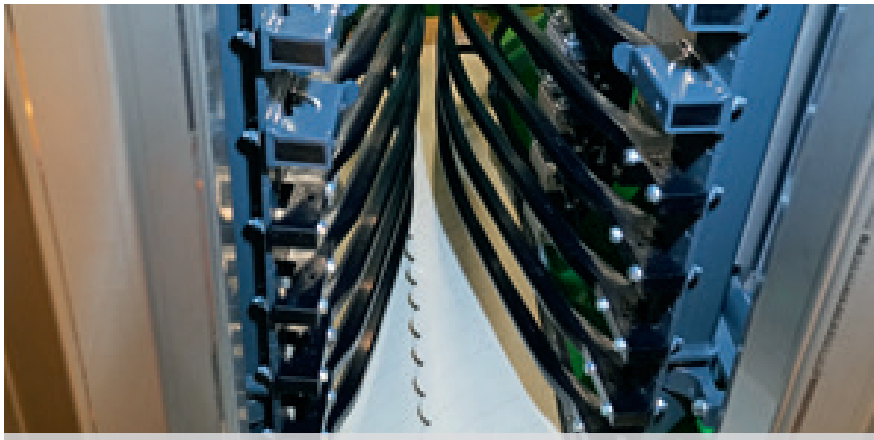


The basis for an outstanding wine is the finest crop. But every grape variety has its own specific needs. That's why the ERO Grapeliner 8000 is equipped with a finely adjustable harvesting head. Not only can the number and vertical spacing of the shakers be varied, but their amplitude and flexibility are individually adjustable. In addition, the operator can easily adjust the width between shakers and the shaking frequency with a simple tap on the touchscreen, all while the machine is in use.

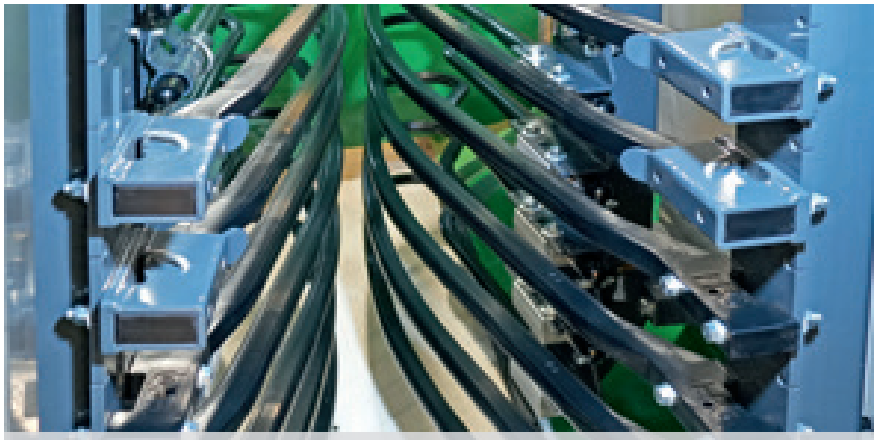




Side tipping allows the operator an excellent view, and needs only a third of the time required for rear tipping.



Collector track with needle bearings and dual shaker mechanism.

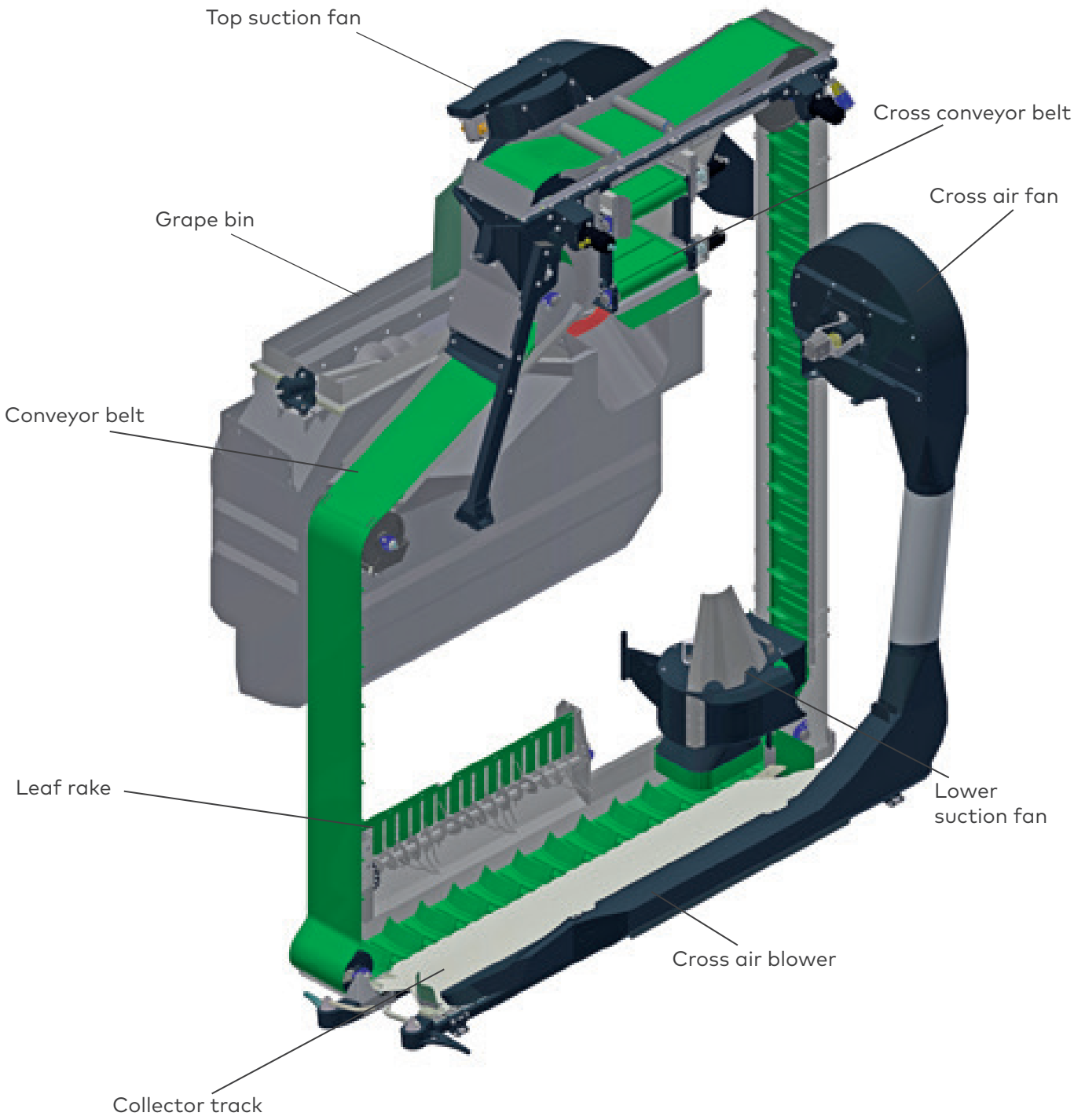


Quick-release fasteners (option) on the shakers for easy insertion and removal in the vineyard.

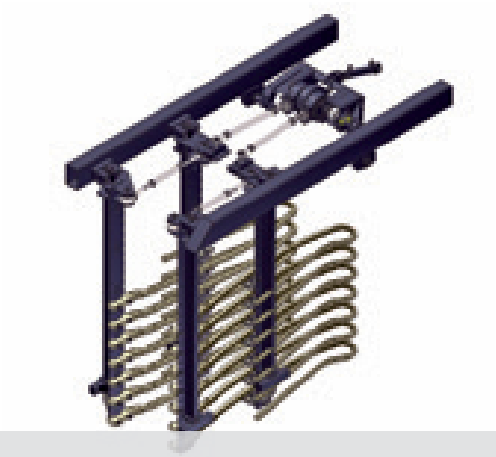
The rotation speeds of all harvester units are continuously monitored. Visual and audible signals notify the operator if there is a fault. The main conveyor belt and cross conveyor belt both have standstill monitoring systems. If a conveyor stops (e.g. due to a foreign body), a message is shown on the display in the cab and the operator can take immediate action to rectify the fault. The collector plates run freely on needle bearings and require no maintenance during the working season, so that there is more time for harvesting.

Three-stage grape cleaning system: maximum yield, minimum juice loss – proven in side-by-side comparisons

(Grape harvester test, Le Paysan VIGNERON)



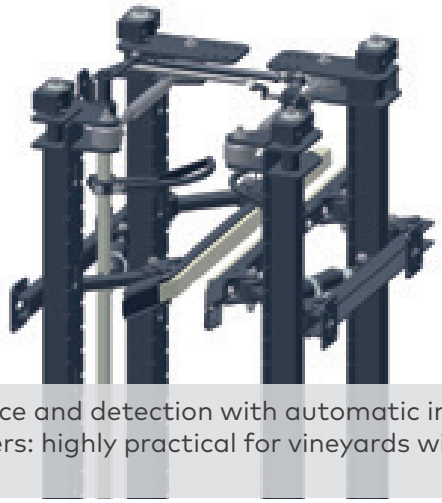
The three-stage grape cleaning system reduces leaf content to a minimum. To avoid juice losses, approximately 70% of the leaves are removed as the fruit is shaken from the vine by the carefully optimised cross air blower and the leaf rake. Next, the lower suction fan extracts more leaf matter before the cross conveyor belt transports the grapes upwards. Finally, the top suction fan on the cross conveyor belt removes the remaining leaves so that nothing but pure fruit reaches the grape bin.
The design with just one conveyor belt means fewer wear parts and less cleaning and maintenance work.



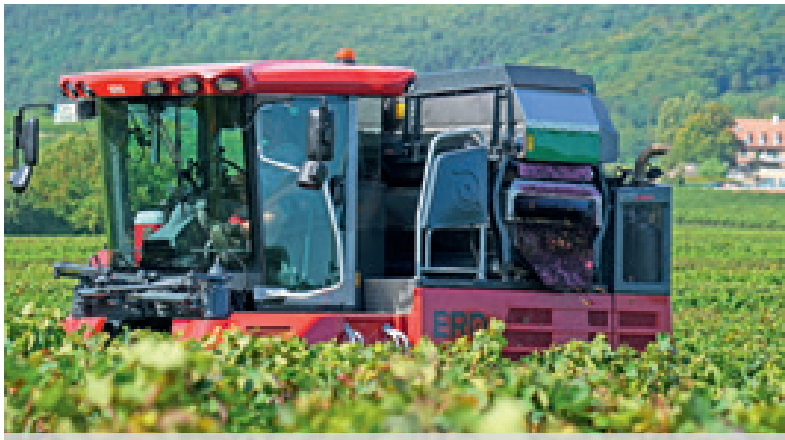
Shakers: flexibility can be adjusted individually.



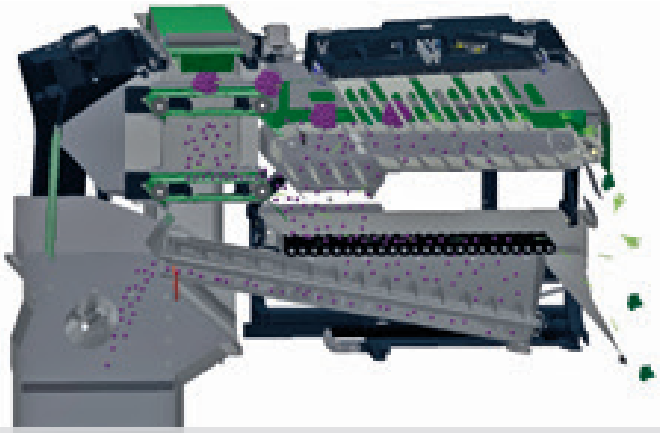
The leaf rake and cross air blower remove leaves before they even come into contact with the grapes.



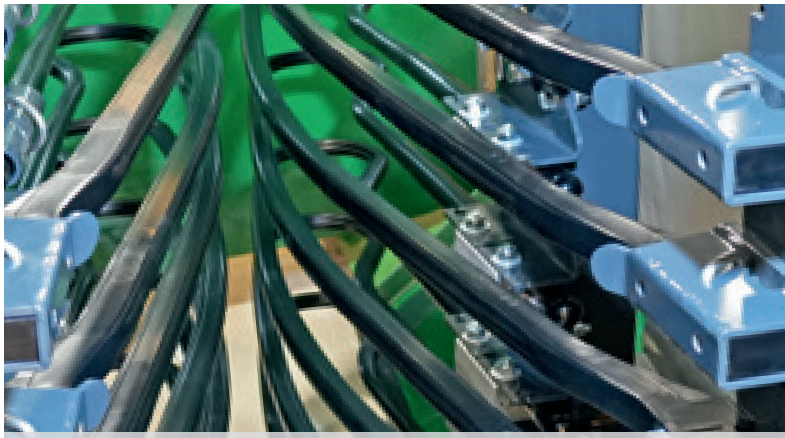
Post guidance and detection with automatic interruption of the shakers: highly practical for vineyards with concrete posts.



The destemmer: only pure fruit reaches the grape bin.



High capacity destemmer: high throughput, even with high yields.



Rectangular cross-section: uniform wear on the shakers and a longer service life.

A useful extra for concrete or hardwood posts: post guidance and detection with automatic interruption of shakers prevents damage to the trellis installation and reduces wear on the shakers.
The collector track has a passage width of 38 cm, for easy entrance into the rows and to provide clearance around the trunks, posts and anchors.

PROselect destemmer for the Grapeliner 8000: pure quality fruit for large and small harvests



ERO has been integrating destemmers into its grape harvesters ever since 1989.
The **PROselect** destemmer, newly developed for the Grapeliner 8000 series, separates the fruit from its stems by softly shaking the harvested grapes. The gentle motion barely stresses the valuable fruit so the juice remains virtually untouched.
The destemmer can handle a throughput of up to 15 t per hour.
Pre-separation of the grapes before the suction fan and destemmer reduces the trub content and yields a purer crop.





The operator has a superb view of the destemmer and (for the **PROselect+**) sorting table from the cab, and can fine-tune instantly.



The destemmer can be opened hydraulically for quick and easy cleaning.



Just like a hand-picked crop.

The illuminated destemmer is clearly visible from the driver's seat and can be adjusted quickly and easily: only the speed of the sieve belt and raking frequency need to be adapted to the harvest volume and grape variety.
The destemmer can be opened fully for cleaning purposes.
Since harvested grapes are only conveyed down one side, only one destemmer is needed, which means less cleaning and maintenance work.

PROselect+: Nothing but grapes in the tank

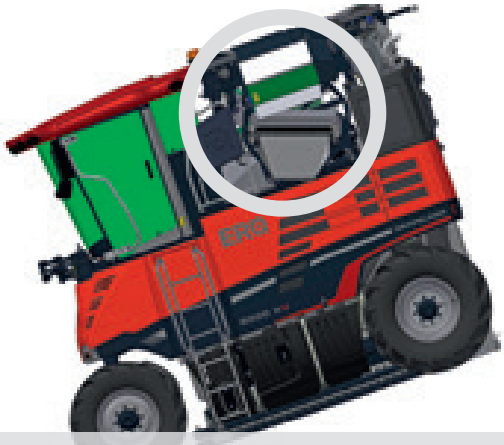


The **PROselect+** includes a sorting table with an area of approx 1 m^2, in addition to the destemmer. The equipment can destem and sort a throughput of over 15 t per hour.
The Grapeliner continues to deliver optimum results even on slopes up to 35%, thanks to the patented automated self-levelling system that ensures the grapes are always distributed evenly across the sorting table. The conveyor system can be configured to send juice and individual grapes straight into the grape bin, without passing through the destemmer and sorting table. The grapes are subjected to minimal mechanical stress.









The automated self-levelling system keeps the sorting table horizontal while the harvester is travelling up or down slopes.

The operator can enable or disable de-stemming and sorting at the simple push of a button from the cab. All the settings for the destemmer and sorting table can likewise be controlled from the display in the operator's cab. The operator has an excellent view at all times of the destemmer and sorting table (illuminated by LED lights), and can quickly adapt the settings to local conditions, ensuring minimum wastage and maximum quality.

The robust build guarantees a long service life with very low wear. In a nutshell: the **PROselect+** offers not only the best quality crop, but also maximum economy.

Telescoping grape bin:
unload from heights of up to 3 m



The telescoping grape bin can be emptied into a trailer from heights of up to 3 m. This means that in areas with long rows and large harvest volumes, the bin can be unloaded into a trailer in the next row.
The telescopic extender is available for the 2200 L and 2600 L grape bins. For unloading into a small trailer, the telescoping function can be deactivated from the cab with the push of a button.





Unloading from heights up to 3 m and up to 1.40 m away from the trailer.



Time-saving side tipping: the grape bin can be unloaded with no need for an extra person.
The operator can see everything that's going on and transfer the harvested fruit into a trailer or container without tedious shunting manoeuvres.

Your workplace:
ergonomic, comfortable and spacious



The centrally positioned comfort cab with glass on all sides provides a panoramic view, and with over 3 cubic metres of space inside, it's also the largest cab of any grape harvester on the market. The glass floor gives the operator a view of the vines as the harvester travels over them. Sound insulation and vibration damping keep the cab peaceful and facilitate concentration on the job.
All controls are ergonomically located. The intuitive touchscreen guides the operator through the menus. All harvesting parameters can be displayed on a single screen. The ERO Grapeliner 8000 is operated with a compact, highly responsive joystick for maximum ease of use.





An ergonomic joystick controls the key functions.



Glass floor in the cab provides a clear view of the vines.



Roomy storage compartment for your documents.

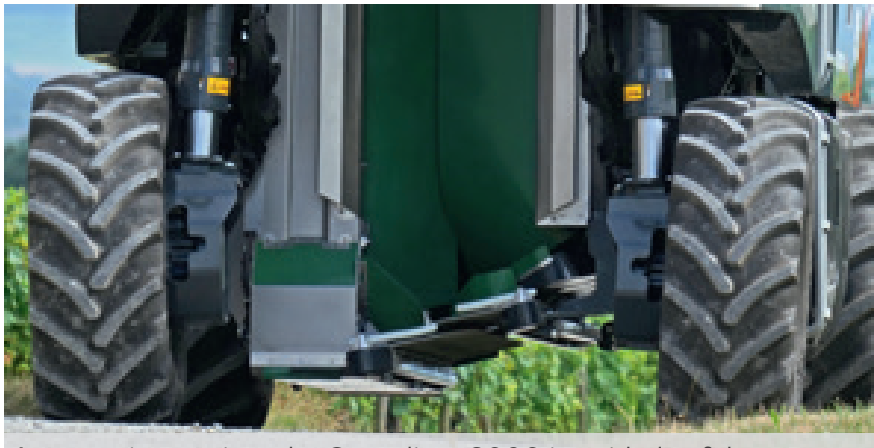
Height and tilt settings can be controlled using either the joystick or foot-operated buttons.
All operators, whether short or tall, can find their ideal driving position by fine-tuning the height and angle of the compact steering wheel, and the air-sprung comfort seat is fully ergonomic. Automated air conditioning, heating, multiple ventilation settings, radio with USB and Bluetooth functionality, and electrically adjustable, heated exterior mirrors are standard equipment in all models. An LED interior light and anti-glare night lighting are also included as standard.
All cabs are tested to the ROPS safety standard ISO 5700.

Automatic steering, ultrasonic height indicator and speed control unit: reduce operator fatigue and protect the valuable vines

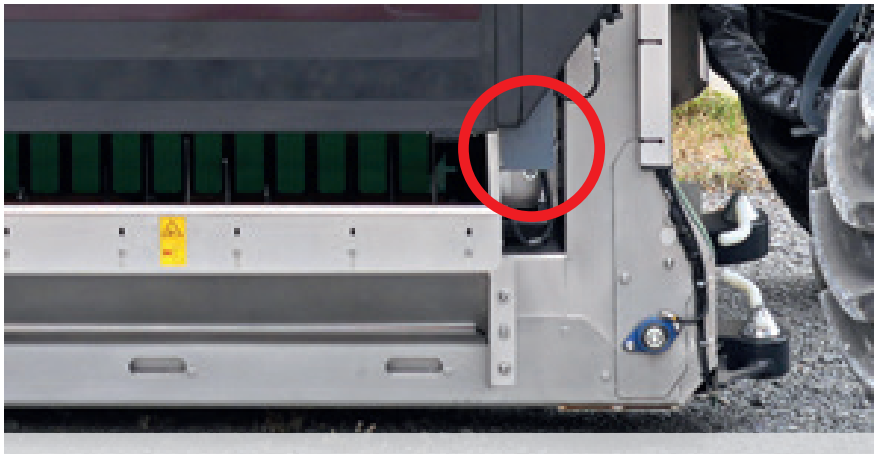


Automatic steering makes a huge difference for the operator. Once activated, it steers the Grapeliner safely through the vineyard and guides the harvesting head along the optimum path, row after row. There is no risk of operator errors causing damage to the trellis installation or driver fatigue: instead, the operator can devote their full attention to monitoring the parameters of the harvest and fine-tuning for the best possible crop. ERO customers know that automatic steering is a must-have: since the introduction of automatic steering in 1981, more than 90% of ERO grape harvesters have been equipped with the technology. Today, over 1200 ERO grape harvesters with ERO's specially developed automatic steering system are in use around the world.





Automatic steering: the Grapeliner 8000 is guided safely along the row of vines.



Height display using ultrasonic sensors.



The speed control unit ensures a uniform harvesting speed. The intuitive display can be set to day or night mode.

For additional safety, an ultrasonic height sensor displays the distance between the harvesting head and the ground. The harvesting height can be saved and called up again when changing rows.
The speed control unit maintains a uniform, preset speed throughout the harvest.

Modern AGCO Power engine: light, economical and compact



Sustainability and efficiency go hand in hand in the AGCO Power engines. The new generation of engines is lighter than other comparable engines and uses around 5% less fuel – even at full power.
Since these engines do not use EGR coolers (exhaust gas recirculation), they have low maintenance requirements.
The engine speed can be reduced for harvesting operations, which means lower consumption, lower noise emissions, and longer engine life.
Since the new generation engines weigh less than their predecessors, they also cause less soil compaction. And lower fuel consumption means lower operating costs, lower CO_2 emissions, and fewer breaks for refuelling.
All in all: the perfect combination of eco-friendly and economical!





Three AGCO Power engine variants. Engine cover opens easily to provide access for maintenance.



The air filter is easy to change.

The high-performance load sensing hydraulic system provides optimised fluid supply regardless of engine speed and so ensures even lower fuel consumption. It also requires a lower volume of hydraulic fluid, which means lower costs. The hydraulic system is installed entirely on one side of the machine and can be accessed simply by opening the cladding panels, for easy maintenance.
The *TwinLock*™ (Poclain) wheel drive system ensures optimum traction and safety even in difficult terrain.

Driving Comfort Package: vineyard to vineyard at 40 km/h – fast, safe and comfortable



The Driving Comfort Package includes the automated drive system, front axle suspension, and 40 km/h road speed.
The higher road speed means the harvester can spend more time doing its job, better machine utilisation, and ultimately a quicker return on investment.
The automated drive system adjusts the engine speed to suit current conditions, ensuring that the Grapeliner is always running in the optimal performance range at maximum efficiency. There is no need to manually set the engine speed. Travel speed can be adjusted using the foot pedal or with the joystick.





40 km/h road speed: less time on the road, more time in the vineyard.



Front axle suspension improves driving comfort and ensures safe handling, even on unpaved roads.

Front axle suspension improves driving comfort, ensures safe handling, even on unpaved roads, and reduces driver fatigue and machine wear and tear.

Travelling time is unproductive time. That's why the ERO Grapeliner 8000 has a road speed of up to 40 km/h. The Grapeliner uses ECO mode for road travel. In this mode, engine speeds are lower, which reduces fuel consumption and noise emissions.

You reach your destination quickly and economically, and can spend more time on harvesting.

Safety first – in the vineyard and on the road



Foot-operated four-wheel brakes are installed as standard, ensuring short braking distances even at maximum road speed. They also offer additional safety while travelling up and down slopes.
A differential lock provides increased traction on steep slopes.
In four-wheel drive, the Grapeliner can travel at speeds up to 25 km/h.





Differential lock: maximum safety even on steep slopes.



The foot-operated four-wheel brakes ensure short braking distances even at maximum speed.



The safety brake provides leeway to respond to critical situations.

The Grapeliner 8000's closely balanced weight distribution (40% front, 60% rear) is ideal for travelling up and down slopes. However, driving downhill on a steep slope is always a particular challenge. The safety brake provides the best possible safety even in critical situations.

Cleaning and maintenance – quick and efficient



All covers and the entrance ladder can be flipped up without any tools, making daily cleaning a simple task.
The engine, conveyor belt and destemmer are all quickly accessible, whether the machine is back at base or out in the vineyard.
The engine compartment is protected from water and dirt. In fact, the Grapeliner has essentially no corners or edges where dirt could collect up.
All the panels covering the harvesting head can be removed easily (no tools required) for cleaning and maintenance.





The grape bin can be emptied for washing by simply pressing a button on the frame.



All maintenance parts of the engine can be reached from one side.

At a glance – key features

The centrally positioned comfort cab provides a superb all-round view, including of the front wheels and harvesting head.

Optimum weight distribution and excellent climbing performance even with a full grape bin: the side-mounted grape bin is located centrally between the front and rear wheels.



Trémie à vidage latéral pour gagner du temps lors du déchargement, disponible en 2 200 l (standard), 2 600 l et 3 000 l. Le conducteur a une vue optimale lors du déchargement, même sur les petites remorques à vendange.

Telescopic extender allows transfer to a grape trailer from heights up to 3 metres (available as option for 2200 L and 2600 L grape bins).

Suspension can be extended continuously up to 75 cm. Slope compensation is also 75 cm.

Long wheelbase (3.25 m) ensures smooth running, and a low centre of gravity provides stability.

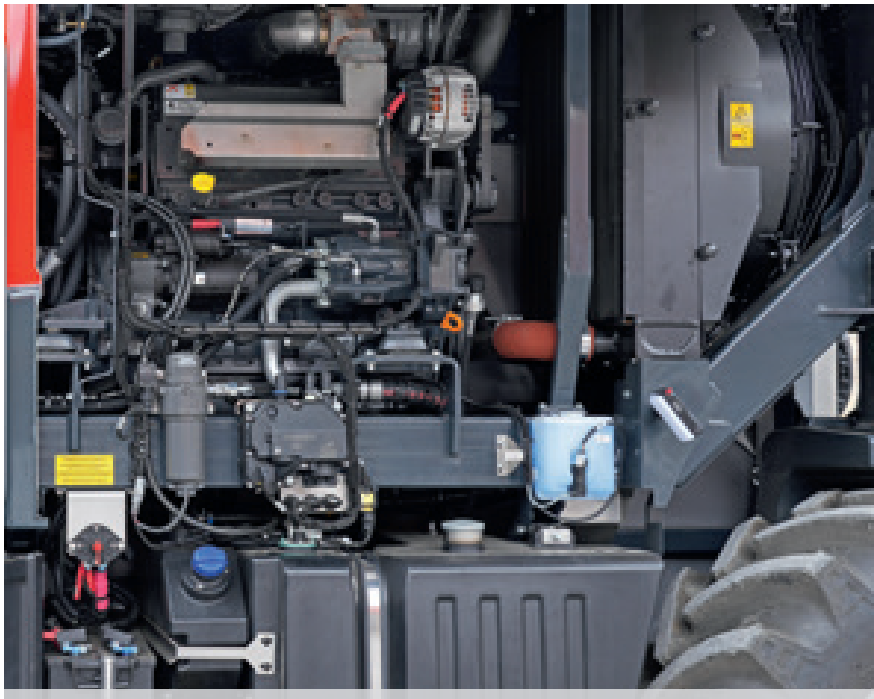
Three-stage cleaning of the harvested grapes with cross air blower, leaf rake, and lower and top suction fan ensures only pure fruit reaches the grape bin.

Slat track passage width of 38 cm, for easy entrance into the rows.

LED working lights and headlights provide maximum visibility even at dusk or nighttime.

Foldable, electrically adjustable and heated exterior mirrors with additional wide-angle mirror.





State-of-the-art AGCO Power engine with two power levels: 133 kW/180 PS or 148 kW/201 PS.



Storage compartment with plenty of room for shakers, tools and anything else you need.

TwinLock™ (Poclain) wheel drive system ensures optimum traction and safety even in difficult terrain. Automatic load distribution in the first two drive gears provides permanent four-wheel drive.

Steering angle of 90° gives a small turning circle.

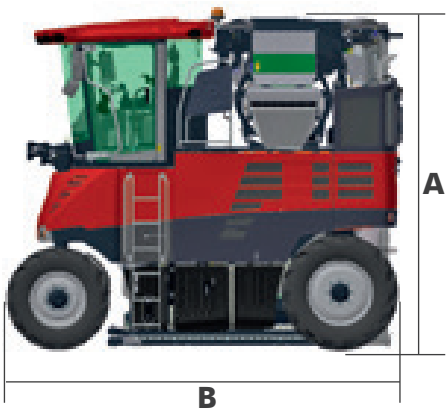
ERO Grapeliner 8000 – Equipment and Options

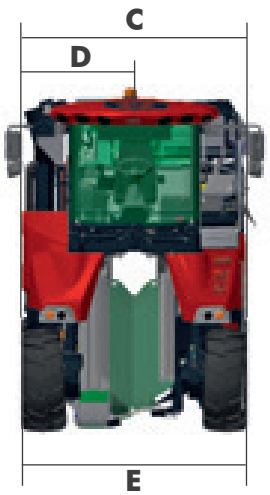
Equipment / Model		8200
Comfort cab with vibration damping, automated air conditioning, radio with USB and Bluetooth functionality, air-sprung comfort seat, heating, ventilation, electrically adjustable and heated exterior mirrors, storage shelf and storage box, electric coolbox, sun blinds.		✓
Three-stage leaf separation system		✓
Standstill monitoring of all harvesting units		✓
Adjustable slat track with needle bearings and replaceable plastic stop		✓
Entrance ladder, mudguards and engine hood with foldable quick-release system		✓
Electronically controlled EMR® engine (AGCO Power), 4 cylinder, 4900 cm^3 engine size, EU Stage V emissions-certified	133 kW | 180 PS	✓
Electronically controlled EMR® engine (AGCO Power), 4 cylinder., 4900 cm^3 engine size, EU Stage V emissions-certified	148 kW | 201 PS	❍
20 / 25 km/h road speed (alternative)		✓
Driving Comfort Package: 40 km/h road speed, automated drive system and power regulation, front axle suspension		❍
LED lighting package: LED lighting technology for all working lights		❍
Foot-operated four-wheel brakes		✓
Differential lock		❍
Safety brake		❍
Automatic steering		✓
Post guidance system		❍
Post detection with automatic interruption of the shakers		❍
Manual amplitude adjustment of the shakers – three settings		✓
Hydraulic adjustment of the opening between the shakers		✓
Quick release bracket for the shakers		❍
Ultrasonic height display with memory function (height in cm)		✓
Cruise control		✓
Additional colour camera(s) – for installation on (alternatives): – cab roof – grape bin – upper suction fan		❍
Additional monitors for camera system in cab		❍
Pumpless central grease block		✓
Central lubrication system with one pump		❍
Electric lift for lower suction fan		❍
Magnet to separate ferrous materials from harvest		❍
2200 L grape bin for rows wider than 1.50 m (standard)		✓
2600 L grape bin for rows wider than 1.70 m		❍
3000 L grape bin for rows wider than 1.90 m		❍
Telescoping grape bin – only for 2200 L and 2600 L grape bin		❍
Harvest divider to distribute the grapes into two smaller containers		❍
Tipping edge funnel to reduce length of tipping to 1.60 m		❍
Tipping edge funnel both sides to reduce length of tipping to 0.85 m (2.55 m unloading height for 2200 L / 2600 L grape bin)		❍
Add-on kit for tipping edge funnel to reduce tipping length to 0.55 m, including camera mount – only available with destemmer –		❍
Unloading conveyor with 1500 L grape bin		❍
PROselect: Destemmer with 24-mm sieve belt, can be opened electrically for cleaning		❍
28-mm sieve belt for destemmer **PROselect**		❍
PROselect+: LED-lit roller sorting table with electronic width adjustment and pre-separation of grapes – only available with destemmer		❍
Tyre options	1 – Front: 440/65 R24, rear: 540/65 R24	✓
	2 – Front: 440/65 R24, rear: 480/65 R28	❍
	3 – Front: 440/65 R24, rear: 440/80 R24	❍

✓ = Standard equipment ❍ = Option — = Not available

ERO Grapeliner 8000 – Technical data

Voltage, on-board electronics				12 V
Battery				12 V / 170 Ah
Maximum side slope compensation				75 cm / 36%
Fuel tank capacity				310 L
Hydraulic fluid volume				100 L
Maximum steering angle				90°
Minimum turning radius				4.20 m
Wheelbase				3.25 m
Tipping edge length, standard				1.80 m
Maximum unloading height of grape bin		2200 L grape bin	2600 L grape bin	3000 L grape bin
		2.70 m	2.70 m	2.55 m
		3.00 m (telescopic grape bin)		–
Number of shakers		Standard: 14 (2 × 7)		Max.: 22 (2 × 11)
Maximum shaker zone				1.55 m
Height inside harvesting head				1.90 m
Lowest passage				2.05 m
Highest passage				2.80 m
Length of collector track				2.80 m
Number of collector plates				28 left + 27 right
Collector track passage width				38 cm
Minimum harvesting height				15 cm
Width of conveyor belt				33 cm
Weight		**Without destemmer**		**With destemmer**
Unladen weight		8655 kg		9175 kg
Front axle		3462 kg / 40%		3670 kg / 40%
Rear axle		5193 kg / 60%		5505 kg / 60%
Dimensions		**2200 L grape bin**	**2600 L grape bin**	**3000 L grape bin**
A	Minimum height with cab, machine fully lowered	3.82 m	3.82 m	3.82 m
B	Total length	4.50 m	4.50 m	4.50 m
C	Total width of machine at height of grape bin	2.55 m	2.75 m	2.93 m
D	Machine centreline to outer face of grape bin	1.28 m	1.50 m	1.66 m
Tyre options		**Width**	**Track, front**	**Track, rear**
E	Tyre option 1	2.71 m	2.08 m	2.18 m
E	Tyre option 2	2.24 m	2.08 m	2.07 m
E	Tyre option 3	2.51 m	2.08 m	2.07 m







ERO site, Germany

ERO GmbH is a family-owned company based in Simmern Hunsrück. We have been manufacturing machinery for viticulture since the late 1960s. In 2018, we moved from our original location to a newly built factory. Here, we have more than 16,000 m² of production space and around 3,000 m² of office and exhibition space at our disposal.



FERRAND site, France

Our French subsidiary FERRAND has been manufacturing products for soil cultivation and under-vine maintenance for 40 years. The company is based in Villemoustaussou, not far from Carcassonne.

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Details and illustrations are provided as a guide and may not be exact. The products depicted sometimes include optional extras which are not part of the standard equipment.
We reserve the right to make technical and design changes.
Equipment and options may vary from country to country. Please consult the price list of your local sales partner.