



PROVITIS

OMEGA LINE

**EQUIPMENT FOR
NEW HOLLAND
CARRIERS**



provitis.eu



THE VINE, OUR SOURCE OF INSPIRATION



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- › Located in Alsace since 2006, we are specialized in the design of viticultural machines, and more specifically vine pruning and caring equipment to be mounted on vineyard tractors, high-clearance tractors and harvesting machines.
- › Our engineering department takes care of the design, entrusts the production of parts to rigorously selected suppliers, and supervises the assembly by experienced staff. We have chosen this production method to offer you products designed and manufactured using the latest technologies, at the best value for money.
- › Innovation, constant improvement of our machines, a presence in wine-growing areas all over the world through a network of hand-picked dealers - these are the features that make up our DNA and the basis of our inspiration.





RESEARCH AND DEVELOPMENT

A team of experts is at your service, constantly seeking new solutions to meet your expectations..



MANUFACTURING

Handpicked suppliers and versatile collaborators for high-end manufacturing quality.



TEST

The testing phases where rigor is required, everything must be on point.



START-UP

Oiling and final preparations.



SHIPPING

Packed, ready for shipping, it's almost at your home!

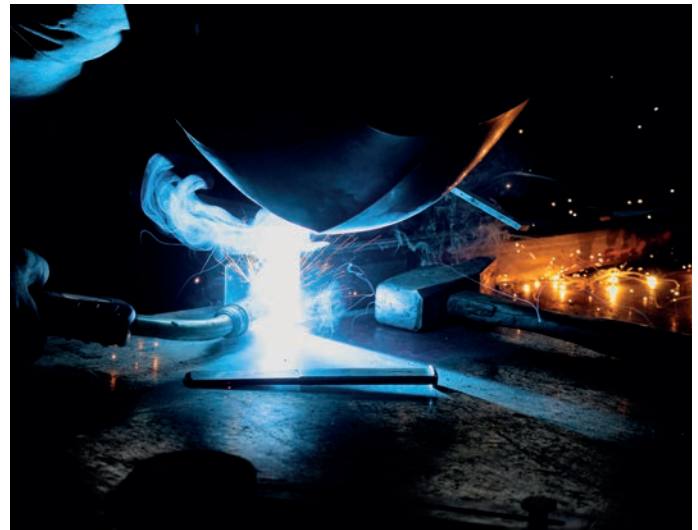


AFTER-SALES SERVICE

An extensive parts stock, a team of experts in our premises and in technical assistance - all the ingredients are in place to provide you with the best possible after-sales service

INNOVATION AND CONCEPTION

› Research, development, manufacturing, testing, commissioning and shipping are part of the complete process to guarantee maximum quality and performance.



OUR EXPERTS

› Research and development, manufacturing, administrative management, sales, communication - all our employees are passionate and perfectly familiar with their professions, for the full satisfaction of our customers in France and abroad.



DOUBLE FRAME

CF 140

Multifunctional double frame CF 140 is coupled to the central front tool carrier of the straddle tractor. It is supplied with its storing rest. The coupling and uncoupling operation takes only a few minutes with or without tools. The tool can be uncoupled alone leaving the CF 140 frame on the straddle tractor. The semi-automatic coupling is equipped with a thrust bar that allows adjusting the level of the tools.



PANORAMIC VIEW

- › The view from the cabin is unobstructed. The uprights of the double frame CF 140 are positioned exactly in the extension of the corners of the cabin.



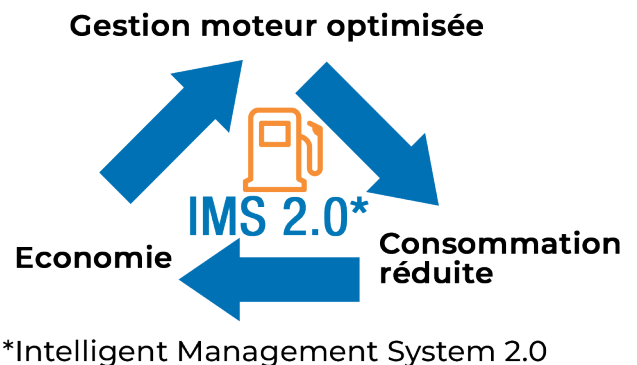
INTELLIVIEW TOUCH SCREEN WITH MULTIFUNCTION JOYSTICK

- › The 9000 N and T8 carriers have menus dedicated to Proviis. They detect the tools as soon as they are coupled: the display, the hydraulic system and the functions of the CommandGrip™ joystick are configured automatically. Optionally, the RTS system allows mapping the vineyard and visualizing the processed rows.



REDUCED CONSUMPTION AND OPTIMIZED WORKING SPEED

- › The intelligent second-generation management system IMS 2.0 allows an optimal automatic control of the engine speed, allowing fuel savings while ensuring an exceptional productivity for all vineyard work, as well as work quality, giving priority to the tool.



LARGE CLEARANCE

- › The double frame CF 140 provides large clearance of the PROVIIS tools above the vines to facilitate the maneuvers at the end of a row.



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TELESCOPIC BOOM

The telescopic boom is equipped with a semi-automatic coupling for all PROVITIS tools. The grouped hydraulic couplings and electrical connectors makes connection easy. The functions have been thoroughly analyzed and the components carefully selected for optimum adaptation of the PROVITIS machines on the BRAUD 9000 carriers.



PANORAMIC VIEW

> The view from the cabin is unobstructed. The NEW HOLLAND boom allows bringing the tool as close as possible to the cabin to optimize the vision. Its low fastening point suppresses the blind spots and allows free side visibility.



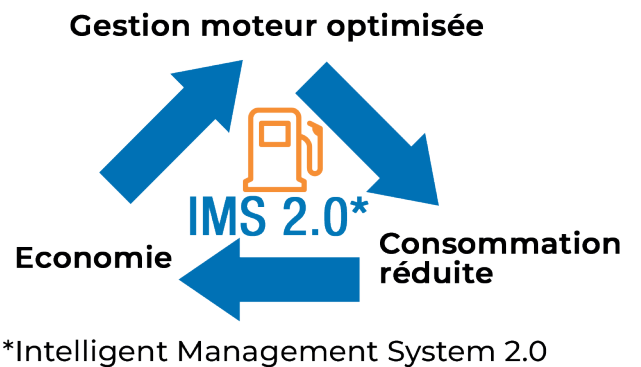
INTELLIVIEW TM III, IV AND IV PLUS TOUCHSCREEN WITH MULTIFUNCTION JOYSTICK

> Tool information and controls are available on the touchscreen and on the joystick. As an option, the R.T.S. system allows visualizing the worked rows.



REDUCED CONSUMPTION AND SPEED

> With the BRAUD IMS and IMS 2.0 engine technology, engine speed adapts automatically to the needs and reduces the hourly fuel consumption of a standard vineyard tractor. On the other hand, the design and working comfort of the NEW HOLLAND carrier allow working at high speeds, thus ensuring a high work output.



LARGE CLEARANCE

> The NEW HOLLAND multi-purpose boom is standardly equipped with a telescopic system that ensures a large clearance for the PROVITIS tools above the vines to facilitate the maneuvers at the end of a row.



TRIMMER ST 120

PRINCIPLE

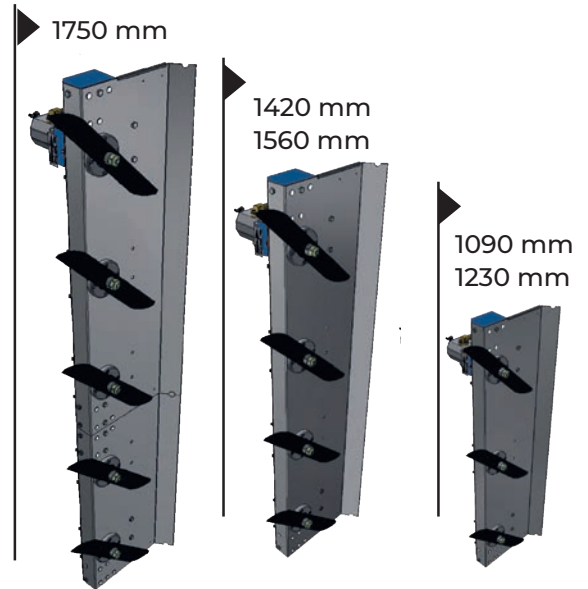
- › Modular cutting bars with 430 mm rotary blades with a rotational speed of the order of 2,000 RPM.
- › Drive by serially connected hydraulic motors with transmission by special flat belts without tensioners.



ADVANTAGES

- › Blades inclined towards the vegetation to prevent repeated cutting and backward projections
- › Maintenance-free flat transmission belts without tensioner
- › Quick access to wear parts (international patent)
- › Safety retraction with automatic return motion on most of the vertical cutting bars
- › Stainless steel sheet metal parts and aluminum components

WORKING HEIGHT SELECTION



INCLINED BLADES

- › The blade inclination towards the vegetation prevents repeated cutting and backward projections.

MAINTENANCE-FREE CUTTING BAR

- › The flat belt drive using crowned pulleys requires neither maintenance nor tension check.

VERTICAL SAFETY

- › In the case of a shock, the vertical cutting bars are equipped with a safety system with automatic return motion.

AVAILABLE MODELS

- › One complete row
- › Two complete rows
- › One complete row and two half rows
- › Two complete rows and two half rows



LEAF STRIPPER PRINCIPLE

LR 350

- › Perforated drum, housing an intake mouth with a turbine at its end. The depression generated by the turbine sucks the leaves against the rotating drum. The (entire) leaves are gripped and stripped by a roller and fall on the ground along the vine row.
- › Working height 480 mm / 300 mm
- › The stripping head is available with a parallelogram frame that allows following the vegetation plane or, optionally, with a hydromechanical vegetation following device (A'Syst option).
- › The head rests on two guides on the top and on the bottom of the fruit bearing area or on the sensor if the machine is equipped with the A'Syst option
- › The turbine and the roller are driven by serially connected hydraulic motors. The flow rate is 22 to 60 l/min.



ADVANTAGES

- › The stripped entire leaves do not pass into the turbine and therefore, they are not crushed and sprayed on the neighboring rows.
- › The parallelogram follows the work plane, ensuring a constant leaf stripping.
- › Simple lightweight machine with reduced dimensions.
- › Quick cleaning.



A'SYST

- › The assisted follow-up device allows the LR350 leaf stripper to follow the vegetation plane automatically and without operator intervention.
- › It operates hydraulically, without ESP sensor and without electronic board. A'Syst distinguishes itself by its technological choice and ensures:
 - › A great flexibility of use
 - › An exceptional efficiency



AVAILABLE MODELS

- › One half row
- › Two half rows
- › Two complete rows



LEAF REMOVER

LB 260

PRINCIPLE

› A blower generates air with a pressure of 0.6 to 1 bar, which is supplied to the stripping heads equipped with rotating nozzles. The air expelled through the nozzles shreds the leaves under the pressure. The height varies from 400 mm to 650 mm.



ADVANTAGES

- › The pneumatic leaf remover ensures thorough stripping and contributes to the reduction of botrytis. It also allows a better distribution of the plant and grape production products and removes the flowerhoods.
- › Used the day before or even the day of the harvest, the pneumatic leaf stripper greatly reduces hand harvesting time.
- › The stripping heads are equipped with two rotors - each with a nozzle - driven in rotation. The rotors work behind each other, reproducing a hammer stroke effect for a more efficient shredding of the leaves.



STANDARD EQUIPMENT

- › Frame with hydraulic spreading between rows.
- › Four orientable two-rotor stripping heads. Working height from 400 to 650 mm.
- › Safety retraction on every head.
- › To be fastened on the rear plate, NX 8 blower driven by a piston motor (pneumatic and hydraulic hoses supplied).



CYCLONIC FILTER

- › Double filtration with a cyclonic prefilter that removes up to 98% of the impurities before entering the air filter. Thanks to its self-cleaning system, the prefilter remains clean.



AVAILABLE MODELS

- › One complete row
- › Two complete rows



PRE-PRUNER

MP 122

PRINCIPLE

- › A frame with two disc modules equipped with blades performing a shear cut. The discs are driven by 2 hydraulic motors. All pre-pruner functions are centralized in a hydraulic block.
- › Cutting modules opening and closing is controlled by a control switch.
- › Rotational speed of the discs is approximately 280 RPM for a flow rate from 35 to 70 l/min.
- › Working speed up to 10 km/h.
- › Available with a stack of 6 to 28 disks with an interval of 60 or 90 mm.



ADVANTAGES

- › The shape of the disc ensures a good grip on the vine shoots and a regular feeding of the machine, without damaging the tying wires.
- › The 60 mm interval between the disks furthers the cleaning of the tying wires thanks to the cutting sections mounted on a carrier disk whose thickness prevents the wire from penetrating between the teeth of the cutting sections.
- › Reduced maintenance, lightweight and low flow rate.
- › Reduced projections thanks to a low rotational speed.
- › The bottom section of the discs is totally flat, preventing any stripping of the spurs.
- › Working speed up to 10 km/h.



AUTOMATIC OPENING (OPTION)

- › The optical detection operates for any type of post (wood, steel, concrete). There must be no leaves left. The system requires posts without holes in the reading axis and with a cross-section larger than or equal to 25mm.
- › The inductive detection only operates with steel posts. But it allows pre-pruning immediately after the harvest, even if there are leaves.



SHARP DISK

- › A circular disk with a sharp edge on one of the cutting modules, facing a toothed disk on the other module, ensures a clean sharp cut, without cracking of the wood. The cutting effect of the disk avoids pinching the wood, which is a common phenomenon in shear cutting. A specific configuration of this equipment ensures the respect of the environment (posts and tying wires).



SHREDDER WITH PICK-UP

SP 50

PRINCIPLE

- › The vine shoots are collected by a pick-up with removable teeth and conveyed in a shredding chamber equipped with a rotor with notched hammers and counter-hammers.
- › Once shredded, the shoots are ejected through a refining grid.



ADVANTAGES

- › The teeth of the pick-up have a specific shape that improves the grip of the shoots and ensure a regular feeding of the shredding chamber.
- › Interchangeable pick-up teeth.
- › Possibility to operate the pick-up in the opposite direction (jam removal).
- › A high rotor speed (3,000 RPM) and a counter-hammer ensure an exceptionally high performance and an optimum shredding fineness, even in extreme operating conditions (humidity, high shoot density).
- › Quick coupling.



STANDARD EQUIPMENT

- › Rotor equipped with eight notched hammers
- › Counter-hammer
- › Centralized greasing
- › Pick-up with interchangeable teeth
- › Box equipped with the coupling for CNH side tool holder



OPTIONS

- › Collecting tines underneath the pick-up
- › Counter-hammer
- › Inlet 600 mm / 700 mm / 800 mm
- › Refining grid 15 mm / 25 mm / 35 mm / 50 mm
- › Rakes

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