

Products Range



THE **FUTURE** OF FRUIT HARVESTING



SOLID, RELIABLE, SMART, **MONCHIERO.**




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ABOUT MONCHIERO



CREATING INNOVATIVE SOLUTIONS SINCE 1965

Born in **1965** to meet the growing need of automation of the local farmers, Monchiero now is a leading company for **design** and production of **fruit harvesting technology**.

Monchiero offers an advanced range of self-propelled and trained **fruit harvesters**, and related machines for the post harvest processes.

Combining technology and automation, Monchiero's harvesters give their **maximum potential and reliability** on any situation: small, medium and large-sized orchards.

Currently Monchiero harvesters are at work **all over the world**, from France to Chile, and from Australia to South Africa, through the United States and many many more.



FAST AND ACCURATE HARVESTING

Monchiero machines are extremely fast and accurate in any situation. The ideal partners in bad climate conditions, when being fast is essential.

They harvest the maximum quantity of fruit in the minimum time, reducing manpower costs, fuel consumption, and emissions, maintenance and replacement of parts subject to wear during the season.

OUTSTANDING YIELDS

Stones, leaves or wet ground don't obstruct the passage of harvest for our machines.

They pick up, clean and store the fruit quickly, with exceptionally high yields because each component is designed to ensure maximum productivity.



Monchiero Innovative Technology



AGILITY AND MANEUVERABILITY ON ANY TERRAIN

Monchiero self-propelled harvesters are really easy to handle on steep or uneven terrain:

- Excellent traction thanks to the 4-wheels drive with wide-section tyres, Twin Lock system, and rear hydraulic steering with a very tight turning circle, or 4 wheel steering.
- A low centre of gravity, balanced weight distribution, and oversized hydrostatic transmission make working on gradients easy too.

MORE COMFORT, LESS EFFORT

The operator manoeuvres in total comfort, visibility, and safeness from the adjustable, cushioned driving seat.

The electro - hydraulic controls on the joystick and the ergonomically positioned speed lever make it easy to select work functions and speeds.

The cabin protects the operator without limiting visibility.



NEXUS CABIN

TOTAL CABIN COMFORT

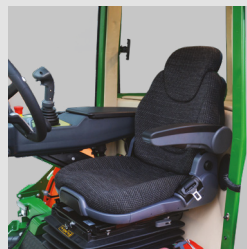
The cabin can be moved sideways, is **soundproofed and mounted on shock absorbers** to further reduce vibration and noise. It offers even more space inside while the outside height from the ground is lowered.



Improved visibility thanks to a **+45%** increase in the glazed area and to the rear camera.



The new electrical system improves the reliability of the machine.
The new **integrated LED** lights ensure lower consumption and greater brightness.



Automatic climate control managed by the display. **(OPTIONAL)**
Pressurization, air recirculation and **activated carbon filter. (OPTIONAL)**



Easy access thanks to possibility of **opening the door at 90° and to the folding ladder** that lifts and lowers electrically.



Maximum ergonomics thanks to the new armrest with integrated buttons, radio system with USB port and 4 speakers

Monchiero Innovative Technology

NEXUS CABIN

Technical Features

The cabin is mounted on the medium-large self-propelled harvesters models: **20115, 20125, 20145, 20240, 30140.**



The operator can manage and control all the machine functions from a **10" colour display** in the cabin.

THE FUNCTIONS ARE PROPORTIONAL

All functions are controlled by proportional valves to simplify and speed up the work: the speed of movement of the hopper is proportional to the movement of the lever, so you can decide the speed of lifting and emptying; you can adjust the speed of the belt and of the pick-up, adapting it automatically to the speed of the machine; the front brushes can be opened or closed at the desired speed, etc.

START/END OF LINE FUNCTION

The all-in-one "Start/End of Line" function button is one of its most useful features:

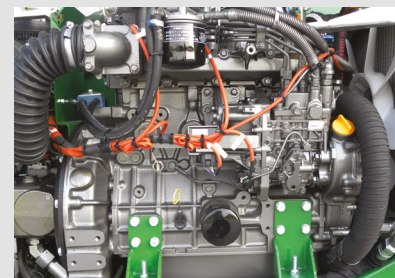
- Just pushing a single button, the pick-up lower to the ground and the brushes opens and lower if the floating mode is active.
- When harvesting is finished, the operator only needs to press one button to lift the pick-up and brushes, stop the rotation of the roller and the brushes, and decrease the engine speed.

This automatic function also speeds up the row change, avoiding the operator having to act on several buttons or levers.

2075

THE IDEAL PARTNER IN SMALL TO MEDIUM PLANTATIONS

The **2075** harvester, with just **154 cm in height**, and the possibility to add a **bigger brush**, reaches a **working width of 300 cm**, which makes it ideal for orchards with extra low branches.



GREEN 4 CYLINDERS YANMAR ENGINE

Engine power: **71 HP / 52 kW**.
With super silenced exhaust box under the cover, and triple air filter.

The engine lowers to the minimum when pressing the handbrake.

Self-Propelled Fruit Harvester

2075/2095

Technical Details



LATERAL FAN

Speed-adjustable, with **electro-hydraulic control** for blowing out the fruit between the trees. It is lower than before to avoid damages on the trees' branches. The new hydraulic motor has higher performances with less pressure needs that means **saving fuel consumption**.



ADDITIONAL FAN

Mounted over the conveyor belt, increase the quality of fruit's cleanliness by aspirate leaves and lighter particles and sending them back on the ground (**OPTIONAL**).



DRIVER'S SEAT

Lowered, cushioned and adjustable driving position providing excellent visibility and safety for the operator protection. Safety half cabin.

2075/2095

Technical Details

FEATURES

- **Rear fan** located at the belt outlet, hydraulically speed-adjustable, separating the fruit from leaves, grass and twigs.
- Twin counter rotating and **floating pick-up** for productive harvesting even in the presence of grass and leaves.
- **Pivoting wheels** on the pick-up for easy following the uneven lay of the soil on gradients.
- **Double function bar belt** conveying material to the rear of the harvester, and performing an **initial clearing** of small debris from the fruit.
- **Tilt-adjustable steering column**, with full instrumentation for all the machine's functions.
- **Joystick with simplified harvesting function** that starts the procedure just pressing a button, or the "**End of Line function**", which makes the pick up lower automatically, switch to floating mode and rise when the line is finished.



CABIN WITH GLAZINGS (OPTIONAL)

Thickly-wired lateral brushes, that follow the ground and work effectively even on terrains not perfectly on a level.

Optional: brushes with steel disc and rubber blades as option.

Self-Propelled Fruit Harvester

2075/2095

Technical Details

**EQUALIZER**

Positioned at the sieve outlet, making the fall of the fruit into the hopper easier and more uniform (OPTIONAL).

**OPENABLE PICK-UP**

With double rotor facilitating servicing and cleaning operations.

**VIBRATING SIEVE**

Positioned immediately after the fan, facilitating the flow of the material.

HOPPER

Holding of **1 m³**, and discharge of the fruit at **280 cm**.

All the controls are electro-hydraulic. **OPTIONAL:** Hopper filling sensor.



Self-Propelled Fruit Harvester

2095**MORE POWER FOR MEDIUM SIZED ORCHARD**

The 2095 harvester is the ideal partner for medium sized holdings. Reduced height makes it easy to work even on particularly low plantations with minimal damage to branches.



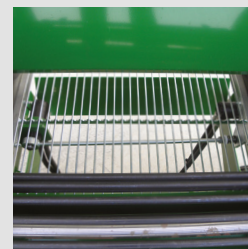
Wide-section and low ground impact tyres, catering for working on very soft terrain.

Speed-adjustable lateral fan, with electro-hydraulic control for blowing the fruit between the rows.

Adjustable pivoting wheels for easy following the uneven soil on gradients.

**HOPPER**

Holding of 1.3 m³ and discharge of the fruit at 265 cm. All the controls are electro-hydraulic. Hopper filling sensor (**OPTIONAL**)

**VIBRATING SIEVE**

Positioned immediately after the fan, facilitating the flow of the material.

Self-Propelled Fruit Harvester

2095

Technical Details

FEATURES

- **4 WD plus Twin-lock** hydrostatic drive control system providing excellent traction on any terrain.
- **Rear fan** located at the belt outlet, and hydraulically speed-adjustable, separating the fruit from any lighter objects.
- Twin counter rotating and floating pick-up for productive harvesting even in the presence of grass and leaves.
- Lateral brushes thickly-wired, that follow the ground and work effectively even on terrains not perfectly plain.
- Openable pick-up with double rotor facilitating servicing and cleaning operations.



JOYSTICK WITH SIMPLIFIED HARVESTING FUNCTION

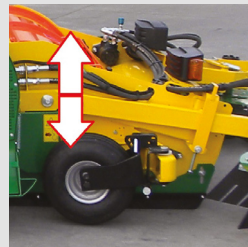
Starts the procedure just pressing a button, or the "End of Line function", which makes the pick up lower automatically, switch to floating mode and rise when the line is finished.

2095

Technical Details

**ADDITIONAL FAN**

Mounted over the conveyor belt, increase the quality of fruit's cleanliness by aspirate leaves and lighter particles and sending them back on the ground **(OPTIONAL)**

**SSH**

Hydro-pneumatic pick-up suspension system.

**SAFETY HALF CABIN**

Equipped with lowered, cushioned and adjustable driving position providing excellent visibility and safety for the operator protection. **(OPTIONAL)**.



Self-Propelled Fruit Harvester

20115

To welcome new needs of comfort and productivity, Monchiero has designed the **20115** model. The independent suspensions system, a **premium cabin and optimized dimensions** of the harvest system are ideal for medium-large surfaces.



A GREAT ENGINE FOR GREAT PERFORMANCES

The **20115** features the **Yanmar Final Tier 4** engine, saving fuel and at the same time, with a low consumption of urea: **only 2%**.



HOPPER

Holding **2 m³**.
Discharge of the fruit at **3.5 m of height**.

COMPACT VOLUME, SAME QUALITY

Dimensions are optimized to ensure agility and discharging.

The **20115** is equipped with all the best Monchiero's Technology to give the maximum productivity.



20115

Technical Details

Cabin Nexus with automated controls



SUSPENSION

Hydraulic suspension system on both axles adjustable from the display in the cabin.



ENHANCED LATERAL FAN

With adjustable speed, and electro-hydraulic control for blowing out the fruit between the trees. It's placed in front of the right front wheel.



PNEUMATIC

Pneumatic dimensions
31/15.5 r15.

Wide section tyres and low ground impact to work on very soft terrain.

Self-Propelled Fruit Harvester

20115

Technical Details



VIBRATING SCREEN

Positioned immediately after the fan, facilitating the final cleaning and flow of the fruits.

EQUALIZER

Positioned at the sieve outlet, making the fall of the fruit into the hopper easier and more uniform (**OPTIONAL**).



CABIN NEXUS

Like the others Monchiero's medium-large harvesters the cabin features automated controls and user-friendly commands. It can be moved sideways, is soundproofed and mounted on **shock absorbers**.

Self-Propelled Fruit Harvester

20125 FEROX**POWERFUL, UNSTOPPABLE, EXTREMELY AGILE, FEROCIOUSLY PRODUCTIVE!**

Totally renewed model, is called **20125 Ferox** because it is even more functional and fiercely productive than ever, confirming itself as **the ideal partner for harvesting in large orchards.**

**- CONSUMPTION**

The radiator doubles the power but reduces fuel consumption.

+ POWER

Power and efficiency of the **YANMAR FINAL TIER4** engine, saving fuel at the same time, with a low consumption of UREA: only 2%.

John Deere Tier 3 engine available on markets that allow it.

+ RELIABILITY

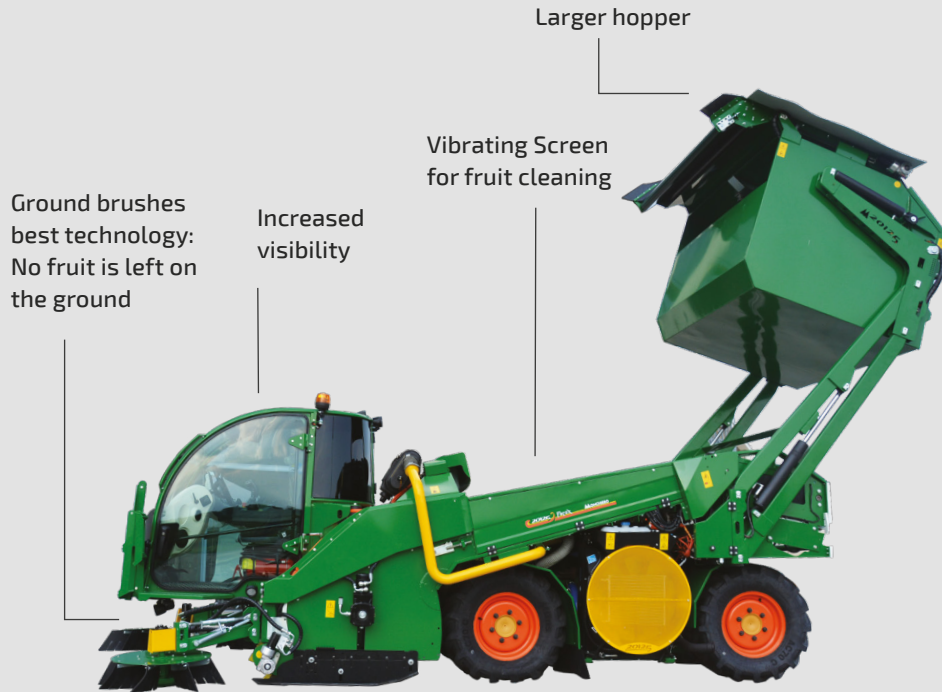
More reliability thanks to the new hydraulic system.



Self-Propelled Fruit Harvester

20125 FEROX

Technical Details



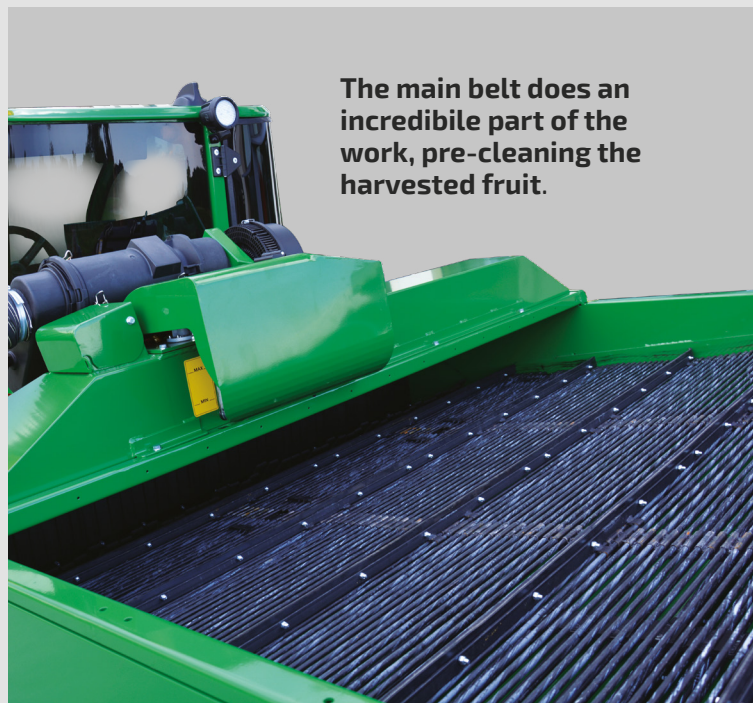
The new high efficiency and super powerful **tree turbo fan** is positioned on the right side brush arm which allows it to follow the vertical movement of the brush and gives it unprecedented working efficiency.



The optimized lower frame reduces the accumulation of impurities that could stop under the machine; front axle even more compact.

20125 FERROX

Technical Details



The **triple hydraulic steering system** improves control at high transfer speeds, ensures maximum maneuverability on any type of terrain and facilitates transverse progress on steep slopes:

- **Front wheel steering** for road handling;
- **Coordinated steering** for a reduced turning radius;
- **“Crab” steering** to move the machine sideways maintaining the longitudinal alignment on steep gradients.

Self-Propelled Fruit Harvester

20145

The harvester **20145** is designed to work on large orchards with a harvest speed higher than standards. Featuring a **John Deere engine (145 HP)**.



The **20145** owns all the **20125 Ferox** features but has enhanced power and reliability **for uphill paths and not plain grounds.**



Self-Propelled Fruit Harvester

20240

WE HAVE CREATED A BRAND NEW HARVESTER: XXXL SIZE

The new **20240** ensures a harvest capacity never seen before and an amazing reliability thanks to a **6 cylinders John Deere motor**. The cabin "Nexus" ensures an extreme comfort level and automated controls for the best fruit harvesting experience.



Huge harvesting capacity
(hopper of 6,5 m³).

**SUPERB RELIABILITY
AND LOW CONSUMPTION.**

6-Cylinder JD engine: 225 HP
The same power already at
1800 rpm.

The **20240** is the best choice
for large areas and the
bigger orchards.



Self-Propelled Fruit Harvester

20240

Technical Details

Super wide tires:

710 mm width, with minimal pressure on the ground that allows even the most difficult terrain to remain unmarked.



170 cm

Extra Power side fan

Normally one of the factors that limit the forward speed is the capacity of the side fan.

There are no limitations with the new larger fan with dedicated piston pump.



**199 cm -
Perfect
height**

No problems harvesting under the lower canopy trees.

Cabin with increased visibility, soundproofed and mounted on shock absorbers.

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Self-Propelled Fruit Harvester

20240

Technical Details

LET'S GO BIG
WITH THE
GREATEST
PICK-UP
ON THE
MARKET



Self-Propelled Fruit Harvester

20240

Technical Details

Fruit Hopper of 6.5 m³
Also available in a 4.5 m³ version.



VL08

The **VL08 shaker** is equipped with a high **frequency vibrating head mounted on a telescopic arm**; an automatic vibrating sequence; independent hydraulic system; management of functions by joystick, optional front brushes to avoid trampling of fruits (**OPTIONAL**).



WORK WITH AUTOMATIC SEQUENCE OPERATIONS

To help the driver, the VL08 can operate using automatic sequence commands, just at the touch of a single button, enhancing productivity.



BALANCE AND VERSATILITY

The weight is mainly concentrated in the left side of the shaker. This is helping balancing the weight of the head that is on the right side, allowing the use of smaller tractors.

Shaker

VLO8

Technical Details



DEDICATED TECHNOLOGY

The powerful hydraulic system starts with a huge gear transmission, then a heavy duty hydrostatic pump to shake even the biggest trees.

An additional cast iron pump is dedicated to the services.

A TELESCOPIC ARM THAT MAKES YOUR WORK EASIER

The telescopic arm can work under **low canopies trees without hitting them with the tractors**. At the same time it allows to move straight without the need to drive to the tree and go back everytime. **The driver can just go forward and stop at every tree.**

VL08

Technical Details

A SHAKING HEAD THAT STAND OUT

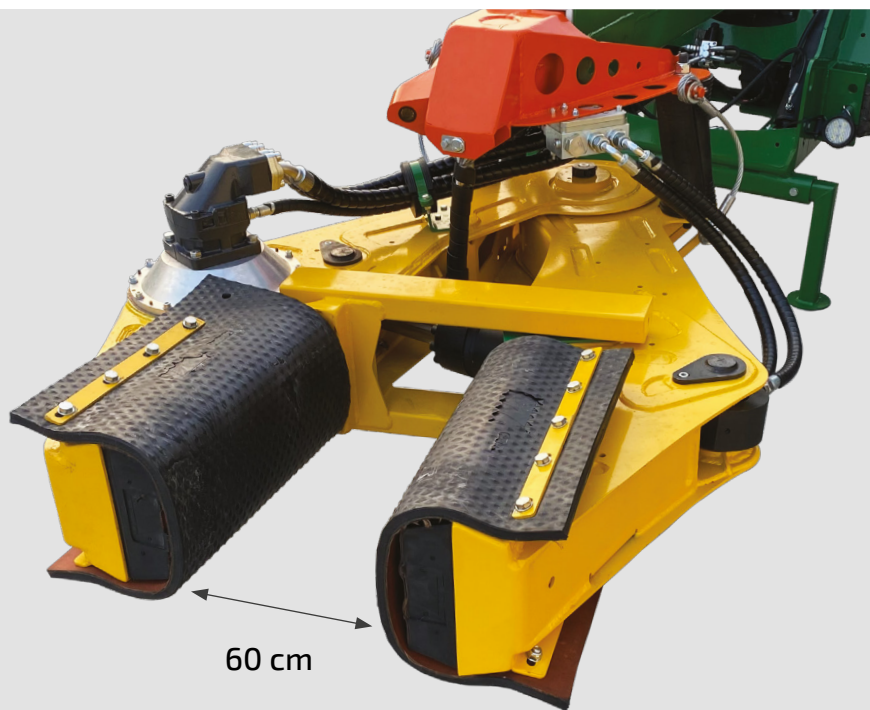
The head can move to adapt to bended tree, to avoid working on the angle of the pads, that can damage the trees.

The operator doesn't have to do that manually for every tree, because the **VL08** is doing that automatically.

The power level of the shaking head can be adjusted directly by the driver, on the armrest mounted display.

The head maximum opening is 60 cm, to accomodate even big trees, there's no need to change shaker once the trees are growing.

This also give more freedom to the operator in the moment of catching trees, and **speeds up operations**.



Shaker

VLO8

Technical Details

The rubber pads have a squared shape:

this allows the transmission of the vibration forces at the tree to a much wider area, minimizing the damages to the bark to a level that is practically close to zero.



The arm can work from high positions to a very low position (even under the soil level), to **give the possibility to adapt to any tree shapes.**



Multifunctional Shaker

30140

THE PERFECT COMBO WITH OPTIMIZED DIMENSIONS

The **electro-hydraulic telescopic arm** makes it possible to reach the highest branches; the high strength of the vibrating steel head, is suitable for all sizes of trees.

The 30140 can be equipped with the Monchiero Shaking Head (see page 30)

**The performance you need while saving fuel.**

The 30140 is equipped with a **John Deere 4.5 l 135 CV Tier III (or Tier IV engine)**. The engine works only at 1600 rpm at constant speed on variable displacement piston pumps.

John Deere Tier 3 engine available on markets that allow it.



Multifunctional Shaker

30140

Technical Details



4 Large wheels 425 mm wide at low pressure (0.8 Bar):

- 4 wheels drive synchronized with double hydrostatic pump at 420 bar.
- 4 wheels steering.
- Automatic braking.
- Lowest ground pressure on the market.



Hardware that matters

- Radiator with air flow proportional to the need.
- Engine water temperature control.
- Hydraulic oil temperature control.
- Less fuel consumption and more power available.

30140

Technical Details



With the rear **PTO (OPTIONAL)**, the **30140** becomes a multipurpose machine and can be used together with other equipment (mowers, sprayers, etc.).



- **PTO** with speed control by display.
- **3 pairs of additional hydraulic sockets** controlled by the joystick.
- The same machine can be used even during other times of the year.
- **Costs per tonne of fruit collected decrease.**

Multifunctional Shaker

30140

Technical Details



The **30140** can also become a powerful ally in your pruning challenges, thanks to its versatility and easy driving.

The hydraulic arm can work on many **different heights** and inclinations in order to reach any branch that's need to be cut.

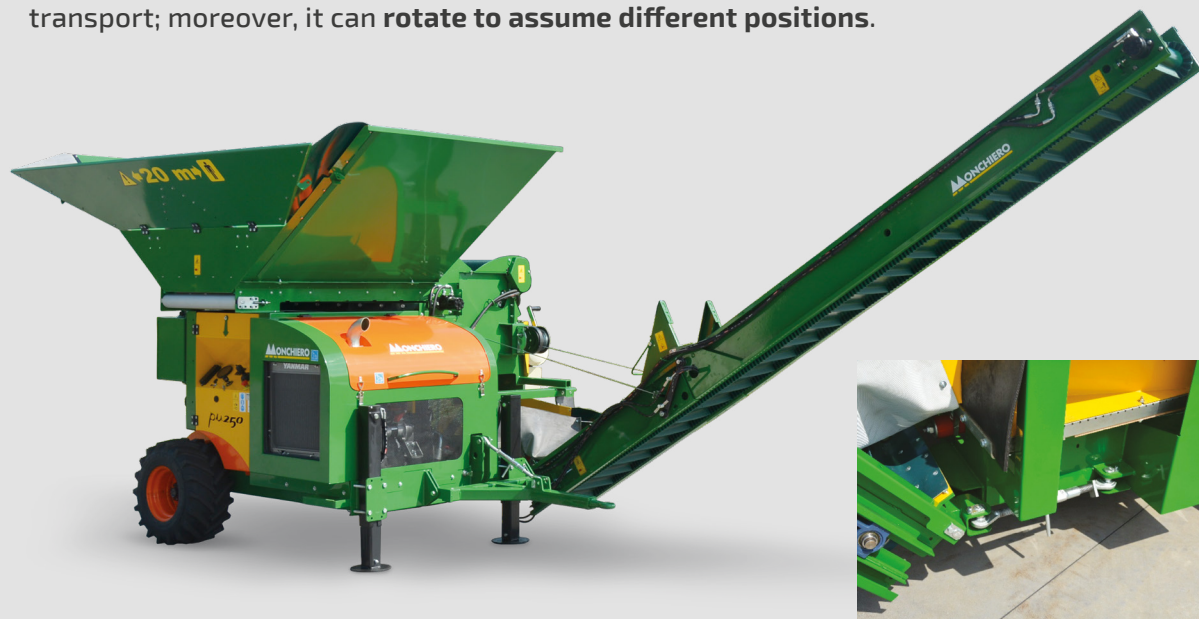


The **30140** can be equipped with a swiveling head with three **800 mm diameter cutting discs** mounted on a hydraulic arm.

PU250

Efficient and practical thanks to **electronic control** and regulation of functions via the display and joystick, the **PU250** can clean the harvested fruit from leaves, stones, branches and debris.

The **3.78 m** belt for direct trailer loading is **adjustable in height by a winch**, hydraulically foldable through the joystick and **re-foldable** for transport; moreover, it can **rotate to assume different positions**.



The hopper (**2800 l**) discharge conveyor with **fan for cleaning** leaves and debris is adjustable in speed, like the large final sieve for the elimination of waste and fine debris, and the **roller separator** for branches and stones.



Nut Cleaner

PU250

Technical Details



Electronic control and regulation of functions via the display and **joystick**.



Hydraulic block with proportional valves adjustable through the screen.



Equipped with a water-cooled **42 CV Yanmar engine**.



45L diesel tank, with fuel level electronic sensor.

PU250

Technical Details



Nut Cleaner

PU250

Technical Details

Dimensions for closed/folded mode:

Height: 2,30 m – Wide: 2,32 m

Transport Length:

3,60 m



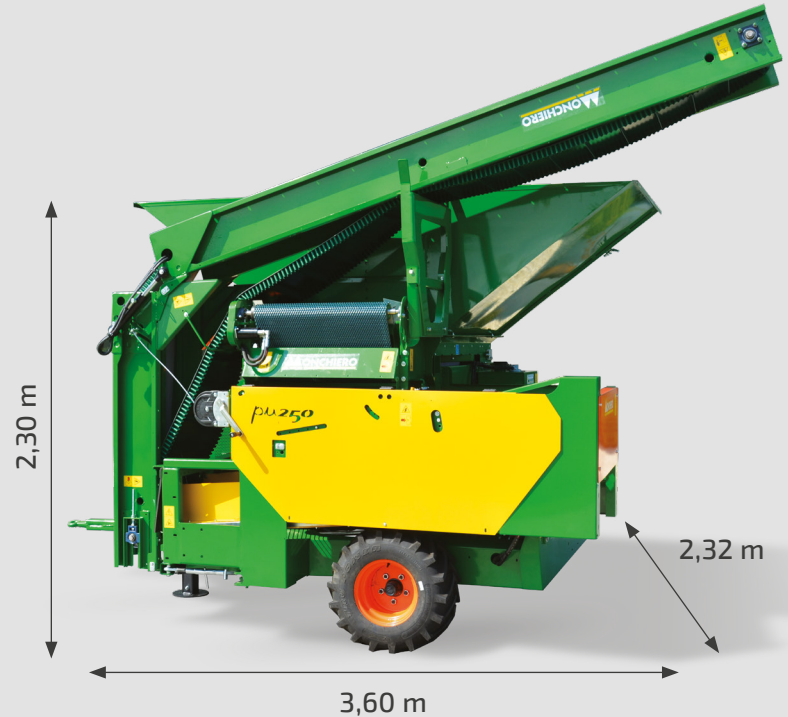
Wide-surface final sieve:
to remove fine debris and waste with adjustable speed.



Rollers separator
for branches and stones with adjustable speed.



Cleaning belt for leaves and debris elimination with adjustable speed.



RF19

The **RF19** is an **high performance blower**, compact and powerful.
The large spiral allows to generate a huge air flow.

It's possible to add **two rotating brushes** in front of the tractor, in order to avoid the passage of the machine on the fruit.



The **RF19** blower is equipped with a **double speed gearbox**, to change the air flow when required.

It's possible to hydraulically **adjust the wings** located on the air exit to **enhance the flow direction**.



The blower is **foldable**, to ease the transportation on road.

Perfect use for road sides, gardens, orchards.

The blower's weight is well balanced on hydraulic lifting to guarantee a **better stability during operative phase**.



Self-Propelled Pruning Machine

5050

The machine allows **faster** and **more accurate pruning**: from their location in the baskets, the operators can easily move forward, up and down as needed, exactly in the most convenient position to carry out their work.



The operator has got the complete control of all the functions of the machine from the commands console situated on the basket.



To accelerate work and solve, as you move on any pruning need at whatever level, without a second passage, the **5050** model allows to connect pneumatic scissors directly to the machine so that two or more operators can work at ground level, while two operators are working from the baskets.

- **Yanmar 42 hp** low fuel consumption engine;
- **Hydrostatic transmission 4x2**
- Max pruning height and width: **7 m and 9 m.**

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Pruning Machine

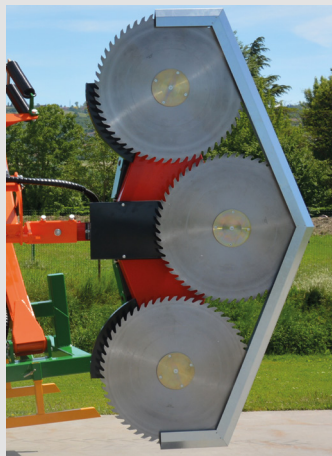
PO230

Cutting higher and smarter.



Ideal for fruit plants, it allows to cut branches up to **20 cm** in diameter, and has got a working width of **2,3 m**.

The arm is equipped with **spring release**, to avoid damages on branches or on the chassis in case of collision.



The swiveling head is equipped with three **800 mm diameter cutting discs** and is mounted on a hydraulic arm that can be connected to a tractor.



Self-Propelled Bin Runner

6095

The ideal solution to **manage in a more rational way** harvesting and handling of fruit.

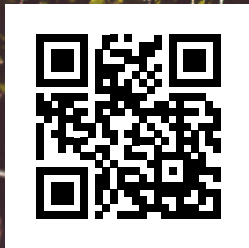


The **6095** is able to carry up to **7 bins** and has got **hydraulic front and rear forks** to allow upload and download on both sides. It moves with agility in your orchard due to its compact and narrow design.

Safety semi-cabin with comfortable dumped adjustable driver's seat, to lighten fatigue.

- **Green engine Yanmar 4 cylinders turbo.**
- **4 wd and radiator for tropical climates.**





Leading technologies for fruit harvest,
orchards care and pre-cleaning fruit processes.

Tecnologie innovative per la raccolta
della frutta e la manutenzione dei frutteti.

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**MONCHIERO**[®]
EXCLUSIVE TECHNOLOGY FOR HARVESTING FRUIT