



MONCHIERO

EXCLUSIVE TECHNOLOGY FOR HARVESTING FRUIT

PRODUCT CATALOGUE





Nisão-NutVision

Walnut production is a challenging activity. But lately, being a good producer is just not enough... Nothing makes a greater impact on your walnut quality than your harvesting and processing practices.

Nisão-NutVision is your source for integrated solutions in **Nut Harvesting and Processing Technologies**. From conceptual design to turn-key delivery, **Nisão-NutVision** provides end-to-end solutions to help you harvest and process your products more efficiency, achieving superior quality while improving your operating costs.



Welcome to **Monchiero**, your trusted partner in harvesting technologies with over **55 years of expertise in walnut, almond, and hazelnut harvest**. As a leading supplier, we take pride in delivering cutting-edge solutions that optimize efficiency and maximize yield for orchard owners worldwide. Our innovative and reliable equipment is designed to meet the unique challenges of nut harvesting, ensuring a seamless and productive operation.

In collaboration with **Nisão-NutVision**, the authorized dealer for **Monchiero** products, we are thrilled to offer our full range of solutions in **Portugal, Spain, Romania, Ukraine, Bulgaria, Turkey, Uzbekistan, Kazakhstan, Azerbaijan, and Turkmenistan**. **Nisão-NutVision** provides comprehensive services, including **Sales, Technical Support, Training, and Spare Parts**, to guarantee the success of your harvesting endeavors. Trust **Monchiero** and **Nisão-NutVision** to elevate your nut harvesting experience to new heights.





ABOUT Nisão-NutVision



EXPERTISE THROUGH SPECIALIZATION

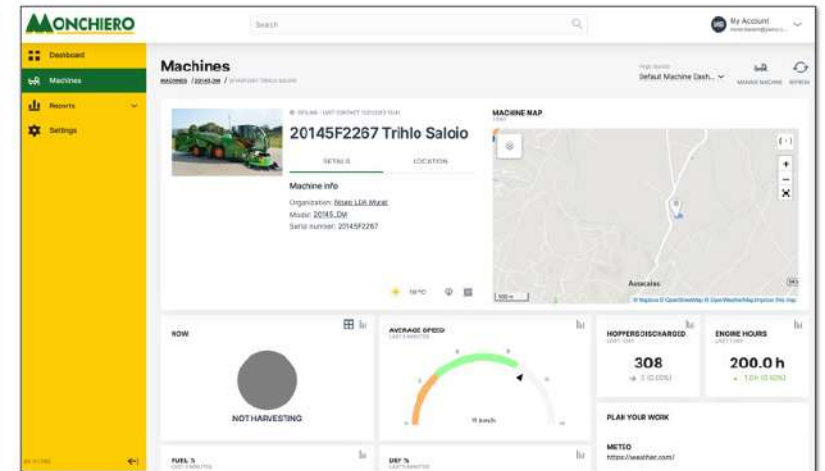
Nisão-NutVision, deeply specialized in the walnut industry, offers a comprehensive range of products and services in harvesting, processing and quality management systems. From design and turn-key delivery of integrated walnut processing lines of all sizes Nisão-NutVision is your reliable partner in the walnut industry.

Nisão-NutVision is also proud to have established a long-term partnership with Monchiero representing it in various countries with Sales, Technical Support and Spare Parts services. Our entire focus is the success of our walnut grower clients.

Nisào-NutVision

DIFFERENCE

As seasoned walnut growers, we bring decades of hands-on production experience to the table. We understand the immense pressure growers face during harvest and recognize the importance of reliable harvesting equipment and a dependable partner attuned to grower needs. That's why we're here to support you in selecting the right systems, providing training for your team, offering technical assistance, and ensuring timely access to genuine parts. Our goal is to keep your **Monchiero** systems operating at peak performance throughout the harvesting season. All relevant product documentation, including user and maintenance manuals, lubrication guides, spare parts identification tools, warranty and CE conformity certifications, as well as instructional videos, can be easily accessed on the **Nisào-NutVision website**. Dedicated pages are created for each of our clients, facilitating seamless navigation. We prioritize client engagement through frequent visits, offering assistance, guidance, and training sessions. Through the **Monchiero Remote Services** network, we actively monitor each client's machine for diagnostic purposes and maintenance scheduling. It's important to note that **Nisào-NutVision isn't just an international Monchiero dealer; we're also avid walnut growers using Monchiero systems ourselves.**



20240 – Self Propelled Harvester

The new 20240 ensures unprecedented collection capacity and great reliability thanks to the John Deere – Stage V / Tier 5 engine.

The Nexus cab provides a new level of comfort and automatic controls make harvesting easier.

Best choice for large harvesting areas and extensive orchards.

Main Features:

- Gigantic harvest capacity
- Reliable and with low consumption
- 6.5 m³ hopper.
- 6 Cylinders John Deere Engine
- Super wide tires
- Lateral fan with extra power
- 199 cm – Perfect height

**FAST
RELIABLE
EFFECTIVE**

All in **1** Machine Operator



Main belt pre-cleans harvest.



MONCHIERO 20240

Brusher Harvester Blower Cleaner Hopper

20145 – Self Propelled Harvester

The 20145 harvester is designed to work on very large orchards and crops with a higher than standard harvesting speed. Equipped with a **John Deere – Stage V engine** according to the regulations in force in the country of destination).

PERFECT FOR DIFFICULT GROUND

The 20145 model has all the specifications of the 20125 Ferox but has greater reliability and power for uphill and steep terrain.

Main Features:

- Larger hopper
- Increased visibility thanks to *Nexus Cabin*.
- Ground brushes best technology: *No fruit is left on the ground*
- Pre-cleaning while harvesting
- Vibrating Screen for fruit cleaning

All in **1** Machine Operator



MONCHIERO
20145

Brusher Harvester Blower Cleaner Hopper

20125 – Self Propelled Harvester

Model 20125 totally renewed, it is called **20125 FEROX** because it is even more functional and ferociously productive, confirming itself as the ideal partner for harvesting in large orchards.

Powerful, Unstoppable, Extremely Agile, Ferociously Productive

The power and efficiency of the Green Yanmar – Stage V engine guarantee optimal performance in every situation. Compact, even quieter, it saves fuel, with low UREA consumption, only 2%. (John Deere Tier 3 engine available in markets that allow it)

Main Features:

- More reliability thanks to the new hydraulic system.
- The radiator doubles the power but reduces fuel consumption.
- More Power and efficiency with the YANMAR FINAL TIER 4 engine.
- Enlarged fuel tank.
- Access to the battery easier and more convenient.
- Larger hopper
- Increased visibility thanks to Nexus Cabin.
- Ground brushes best technology: No fruit is left on the ground
- Vibrating Screen for fruit cleaning

All in **1** Machine Operator



FAST
RELIABLE
EFFECTIVE

Brusher Harvester Blower Cleaner Hopper



**NEXUS
CAB**



Joystick & Controls
Everything at hand with controls and joystick gathered on the armrest.



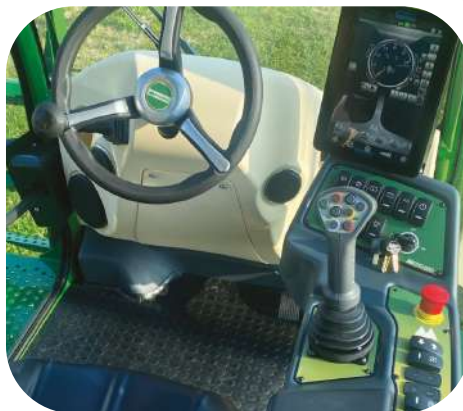
Air Conditioning
Air recirculation with automatic control of temperature



Functional Design
Rounded profile and curved glasses, to make easier passing through the lower branches.



SilentBlock Suspensions
SilentBlock suspensions to reduce to the lowest level all vibrations, throughout the harvest.



Specifically Designed for Harvesting Fruit

The first cabin with category IV air filter, in the dried fruit harvesting field.
A further evolution of our cockpits design, now arrived at the third generation.

HARVESTING SYSTEMS

With our Walnut and Almond grower background, we have a principle of offering our clients only the high performance products and systems that we use in our own agricultural operations successfully. That is why, **NutVision** is a proud partner of **Monchiero** that brings more than 50 years of expertise in nut and fruit harvesting systems.

NutVision offers full Monchiero line of products, with technical support and spare parts in:

| SALES | TECHNICAL SUPPORT | PARTS |
|--|--|-------|
|  Portugal |  Turkey | |
|  Romania |  Uzbekistan | |
|  Bulgaria |  Turkmenistan | |
|  Ukraine |  Kazakhstan | |



EXCLUSIVE TECHNOLOGY FOR HARVESTING FRUIT



HARVESTERS

MULTIFUNCTIONAL

SHAKERS

CHESTNUT HARVESTERS



SALES TECHNICAL SUPPORT SPARE PARTS

| | | | |
|---|----------|---|--------------|
|  | Portugal |  | Turkey |
|  | Ukraine |  | Uzbekistan |
|  | Romania |  | Turkmenistan |
|  | Bulgaria |  | Kazakhstan |

NISÃO - NUTVISION

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EXCLUSIVE TECHNOLOGY FOR HARVESTING FRUIT



HARVESTERS

MULTIFUNCTIONAL

SHAKERS

CHESTNUT HARVESTERS

Nisão – NutVision

Welcome to **Nisão - NutVision**, your trusted partner in the **walnut industry**. As a designer, manufacturer and turn-key integrator of walnut processing systems, we are committed to delivering innovative solutions that help streamline your production processes, improve product quality and maximize profits. We provide turn-key solutions for harvesting, processing, sorting, storage and packaging. Our systems are designed with your unique needs in mind, and we work closely with you to ensure that they are tailored to your specific requirements.

Lets face it; with higher input costs and stagnant product prices, the walnut market is going through a period of unknowns. We understand that product quality, efficiency and productivity are the key areas that each grower must focus to maintain its competitiveness in this market conditions. With its experience in walnut production, harvest and processing, **Nisão – NutVision** offers a comprehensive range of services, from strategic financial modeling, all the way to international marketing. Our specialized team will work with you to identify areas where you can improve your operations and to provide practical solutions that will help you achieve your goals.

We are dedicated to delivering outstanding customer service and support, and we are always available to provide guidance and assistance whenever you need it. Whether you're looking to upgrade your existing production systems or starting a brand-new walnut production venture, we have the expertise and resources to help you succeed. Contact us today to learn more about how we can help your walnut business with our turn-key systems and consultancy services.

Nisão – NutVision



We help you start by asking the right questions

It is highly costly and often impossible to change the course of a walnut project that has begun with mistakes. And experienced walnut growers know that success largely depends on minimizing tactical mistakes and avoiding strategic mistakes at all cost. Nisão's goal is to help you ask the right questions from the very beginning so that you can plan and execute your project with precision. From strategic financial modeling and plantation establishment to processing and marketing, we offer a comprehensive range of services and products to support you every step of the way. With our help, you can become a more skilled and successful walnut grower.



Strategic financial Modeling



Orchard planning & establishment



Processing plant design and implementation



International Marketing



Monchiero Harvesters



Monchiero Tree Shakers



Monchiero Orchard Management Tools



Monchiero Genuine Parts

INTRODUCING
MRS
MONCHIERO REMOTE SYSTEM



The MRS (Monchiero Remote System) allows to share data and parameters of the machine and the harvest itself, with other devices (smartphone, tablet, computers). The MRS collects information about the machines (temperatures, speed levels, location of the machine, etc.); and about its work (amount of harvested fruit, hours of work, etc.). Checking and analyzing the shared information, it's possible to manage the harvesters fleets, planning the work and control the situation in real time.

VL08 – Tractor Mounted Tree Shaker

The powerful hydraulic system starts with a huge gear transmission and continues with a powerful hydrostatic pump to shake even the largest shafts. A TELESCOPIC ARM THAT MAKES YOUR WORK EASIER

The telescopic boom can work under the lower trees without hitting them with the tractor. At the same time it gives the ability to move forward without the need to approach and move away from the trees every time. The operator can proceed linearly stopping at each tree.

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.

Main Features:

- Work with automatic sequence operations
- Balance and versatility
- Dedicated technology
- An additional cast iron pump is dedicated to the services
- A telescopic arm that makes your work easier
- The head maximum opening is 60 cm, to accommodate even big trees, there's no need to change shaker once the trees are growing.



programmable joystick for self sequenced actions



optional front brushes to avoid trampling of fruits



**FAST
EFFECTIVE
GENTLE ON TREES**

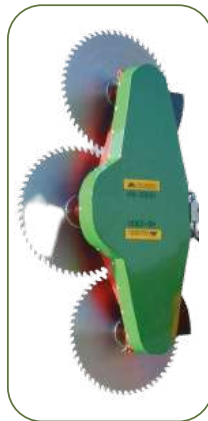


30140 – Self Propelled Tree Shaker

The electro-hydraulic telescopic arm allows you to reach even the highest branches; it is equipped with a vibrating gripper in high resistance steel suitable for shafts of all sizes. John Deere 4.5 l 135hp Tier III engine (or Tier IV engine).

For large orchards where speed is essential

The 30140 can be equipped with a swiveling head with three 800 mm diameter cutting discs mounted on a hydraulic arm. Can also become a powerful ally in your **pruning challenges**. The hydraulic arm can work on many different heights and inclinations in order to reach any branch that's need to be cut.



Pruning disks
Optional

Main Features:

- Radiator with air flow proportional to the need.
- Engine water temperature control.
- Hydraulic oil temperature control.
- Less fuel consumption and more power available.
- 4 wheels drive synchronized with double hydrostatic pump at 420 bar.



30140 SHAKER

PU250 – Nut Cleaner

Equipped with a 42 HP water-cooled Yanmar engine, it is efficient and practical thanks to electronic control and adjustment of functions via display and joystick. the PU250 can clean the fruit harvest from leaves, stones, branches and debris.

Pre-cleaning at the orchard

Main Features:

- 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.

significantly reduces the volume of transported harvest material



Dimensions for closed/folded mode:
Height: 2,30 m,
Width: 2,32 m
Length: 3,60 m


PU250 NUT CLEANER

RF19 - Blower

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



well balanced for inclined orchards



front brushes to avoid trampling of fruits (optional)

Main Features:

- Double speed multiplier, to regulate the air flow as needed.
- Hydraulically adjustable wings to adjust the flow direction.
- Foldable for ease of transportation.
- Well balanced on hydraulic lifting for stability during operation



5050 – Self-propelled Pruning Tower

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.

Main Features:

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



MONCHIERO
5050 Pruning Tower



5050 allows to connect pneumatic scissors directly to the machine



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

PO230 – Pruner

Ideal for fruit plants, it allows to cut branches up to 25 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.

Pruning higher and smarter

Main Features:

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.



Prune fast and higher



CHESTNUT HARVESTER 498

Designed to facilitate the harvesting of chestnuts in well-leveled and prepared soils. The transmission to the belt, the screen, the star valve and the side fan is completely hydraulic.

The patented shrink disk is rubber coated, so that the opening of the curls is carried out with great efficiency and at the same time, with extreme delicacy. The cleaning phase has improved, in order to allow high hourly yields and reliability over time.

Main Features:

- Suction tube: \varnothing up to 140 mm
- Max hose length (\varnothing 120 mm): 50 m
- Patented loop opening device
- 4-stage cleaning system
- Hydraulic leveling system kit with pipes and couplings (optional)
- Side collector kit (optional)

Specialized machines for chestnut professionals

From the harvest to the calibration of the chestnuts: Monchiero offers a complete range of specialized machines, practical in use and capable of ensuring optimal yields.



498 Chestnut Harvester

What our clients say about us

When it comes to the performance of our products and services, we prefer to let our clients speak on our behalf:

"GONUTS- Sociedade Agrícola, S.A. is owned by a group of farmers from Ribatejo, Portugal who started planting walnut orchards in 2017. Their facilities are a few km from Santarém, in Alcanhões. Between 2017 and 2022 these producers planted a total of about 330 hectares of Chandler, Howard with combination of several pollinator varieties, with the contribution of Fruts of Life, Lda in the person of Mr. Murat Badem who, is a connoisseur of the market in its various dimensions. Under the exceptional contribution of Mr. Murat Badem supporting us in the implementation of various activities, that company has provided us several tens of thousands of trees of exceptional quality and adjusted to the environment.

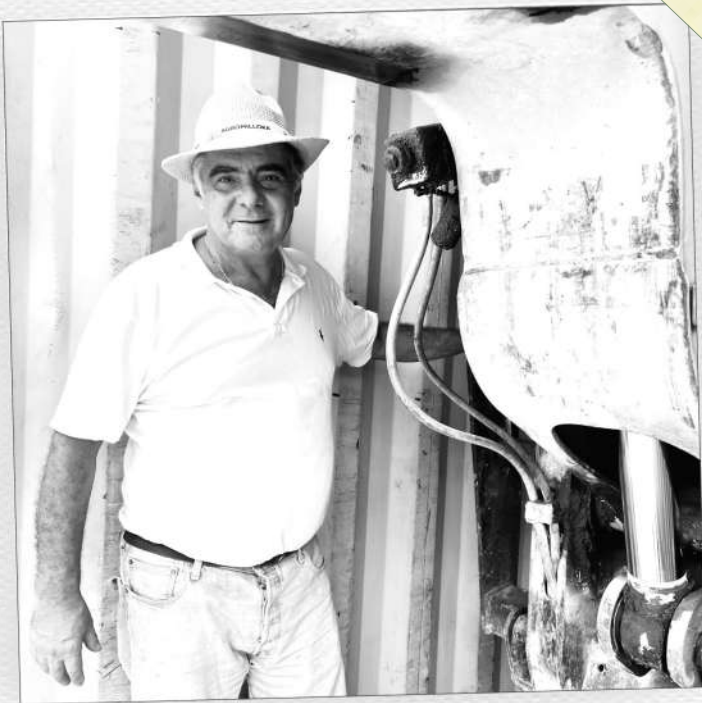
GONUTS, following the very positive experience of partnership with Mr. Murat Badem, has now contracted his company, Nisão, Lda, to put together necessary specifications to launch an international tender for the assembly of washing, shelling, drying, grading and packing lines for walnuts. GONUTS was also advised by NISÃO in the choice of Monchiero equipment for harvesting processes. Thus, GONUTS is equipped with technologically advanced equipment that guarantee efficiency and superior quality of final products of walnuts with shell and kernel in a variety of packing formats and logistic solutions.

We also highlight not only the exceptional quality of the equipment supplied by NISÃO and related processes, with special emphasis on the drying and calibration line, but also the support in assembling the equipment and development of all critical work and training methods. The global project management shared with NISÃO allowed that in nine months GONUTS was equipped with a complete industrial unit ready to perform the first campaign of 2022."

João Pedro Sanches
President of the Board of Directors,
GONUTS SOCIEDADE AGRÍCOLA, S.A.



June '22
Santarém



João Pedro Sanches
Santarém, Aug '22



July '22
Santarém



NISÃO
NUT VISION

Your turn-key partner in Walnut Business
Helping our clients become better growers

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