



**MORESIL HARVESTERS
TRACTOR MOUNTED from 65HP - 90HP**

The Olive Centre

74 Castle Road, Cabarlah QLD 4352

PH: 07 4696 9845 | E: sales@theolivecentre.com.au

www.theolivecentre.com





Collector Umbrella for Tractor Mounted Harvesters

The umbrella has a mechanism that allows the collection of olives after shaking with the Moresil Shaker head.

Umbrella diameter available in various sizes according to the needs of each grove.

Removable umbrella easily separates from the harvester head when the grove layout does not allow the space for the umbrella.

The Umbrella is activated by a joystick for all functions.

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Hydraulic power station

- Tank capacity of 350 liters, which compensates for the front weight and prevents heating of the oil.
- Heat exchanger.
- Independent of the tractor.
- Rear hooks (optional).

MORESIL Harvesting Heads



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Shaker Harvesting Heads for Tractor Mount



Features

- Easy fitting to different models of tractors
- Minimum power needed, 60HP
- Instantaneous start and stop shaker action
- Shake trees in both directions and it is possible to vary the speed
- There are three different models of harvesting heads to suit all types of groves: MV-200, MV-350 and MV-500
- Maximum manoeuvrability thanks to its multiple movements
- Combining Moresil experience and a high technology design, shaker heads are designed to work the maximum fruit without damaging the tree which ensures future production

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MVT-200

- Maximum clamp opening: 400 mm.
- Recommended trunk diameter: up to 200 mm
- Tractor power: from 65 hp.



MVT-350

- Maximum clamp opening: 500 mm.
- Recommended trunk diameter: up to 350 mm
- Tractor power: from 80 hp.



MVT-500

- Maximum clamp opening: 700 mm.
- Recommended trunk diameter: up to 500 mm
- Tractor power: from 90 hp.





Pantograph arm

The pantograph arm stands out for its great mobility and its smooth and precise movements. Its advantages are a perfect visibility of the logs from the tractor cab and the possibility to take several logs from a tree from one position of the tractor.

The pantograph arm is coupled to the shovel of the tractor and from its most retracted position, it extends 1,50 mts.

This arm is ideal for multi-trunk groves or with limited space for maneuvering.

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MORESIL HARVESTERS BUGGIES



Buggy BM300

The three-wheeled Moresil BM 300 Buggy is fitted with state-of-the-art technology that enables it to electronically control the movement and vibration of our olive and fruit trees (almond, nuts, pistachio...), making it possible to choose the most suitable programme for each type of crop.

It is also possible to control the power unit which, thanks to its efficient programme, can provide significant fuel savings.

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ERGONOMICS

- Large closed cab with great visibility, hinged door, heating and air conditioning (optional).
- Control of all movements through two joysticks.
- Powerful lighting with LED headlights.
- Rear view camera, visible from the control screen (optional).
- Independent cab with vibration damping and glass for soundproofing.
- 12 V cigarette lighter and USB connector.
- GPS system with assistance system and remote software updating (optional).

VIBRATION

- There are several vibration programmes available that adapt to the different types of olive groves. It is also possible to create custom vibration configurations.
- It is possible to adapt the three types of clamps currently available, as well as all their studs and flaps accessories.
- It features a vibration/tree counter that makes it possible to track the harvest.

POWER UNIT

- Modern DEUTZ 120 HP engine, with electronic control system. It only uses the power required in each operation, reducing standard consumption by approx. more than 30% compared to standard use.
- Maintenance-free gas filter, which does not need urea diesel for its operation.
- Hydraulic pumps with variable DANFOSS flow, which can be controlled from the different machine programs.
- Robust POCLAIN hub motors, which are capable of functioning even in the most adverse situations.
- Several movement programmes, making it possible to choose the most suitable for each type of terrain or driver, for example, to minimise the breakage of bales.



DESIGN

- Optimised weight distribution. Low centre of gravity to work and move on sloping terrain.
- Steel-welded structure, with high elastic limit steels.
- Robust hydraulic and electronic equipment from leading brands.

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Technical features BM300

Length (m)	6.9
Height (m)	2.1 / 2.29 (Air Conditioning)
Width (m)	2.47
Distance between axes	2.78
Weight (kg)	5040
VIBRATOR MOVEMENTS	
Telescopic (m)	1.3
Elevation (m)	2.2
Turn (°)	35
Engine	Deutz 4 cylinders turbo - 3600 cc - 120CV -2300 rpm
Fuel tank (l)	120
Hydraulic tank (l)	140





Transmission	Hydrostatic - 480 bar - 2 independent matrix wheels with negative brake
Maximum speed (km/h)	17
Movement modes	Super slow - slow - fast - fast echo
On-board computer	Power unit control Vibration control functions Custom vibration programmes Tree counter and stopwatch Self-diagnostics Rear view camera Geo-reference system Assistance and remote action
Tires	Front 500/60-22.5 Rear 320/60-12
Cab comfort	Heating





Air conditioning 5kW

USB connection

Insulating glazing

2 Joysticks

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Buggy Magnum 4 Wheel Drive

Features

The Magnum multi-purpose vehicle has been designed to perform all necessary tasks in the collection of olive groves ensuring a profitable exploitation. The machine stands out for its great agility and manoeuvrability on the ground thanks to a hydraulic high performance and reliability based on the experience gleaned by Moresil.

It has a Deutz engine with 120 HP and hydrostatic transmission with 4 wheel drive with independent pumps for each axle.

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We use hydraulic components from highly reliable brands such as Danfoss, Poclain, Parker, etc. The control panel controls the machine easily depending on the operation made. It shows information about the status of the machine and saves past values to evaluate them.

The electrical system is greatly simplified because of the use of CAN Bus data transmission technology. Its high maneuverability allows it to increase job performance.

It has a telescopic arm with quick connectors to make the exchange of different accessories.

The Magnum multipurpose chassis is made of high strength steel

Thanks to the joystick all the movements are controlled smoothly in a comfortable way. Different attachments can be adapted quickly to perform all the duties needed in an olive grove which guarantees the profitability of the operation.



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Shaker Models

AMV200

- Max opening of clamp: 400mm
- Recommended trunk diameter: up to 200mm

MV350

- Max opening of clamp: 500mm
- Recommended trunk diameter: up to 350mm

MV500

- Max opening of clamp: 700mm
- Recommended trunk diameter: up to 500mm



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Vehicle Multipurpose

Accessories



The Magnum vehicle is equipped with an unique electronic system which makes easier operation control, allowing the operator to concentrate on the important harvesting tasks without worrying about technical details.

The Magnum vehicle is prepared to perform the vibration of the tree with the harvesting platform (inverted umbrella) and/or two different models of heads: MV-200 and MV350.

Rotary cutter DB-240 for Magnum: Working width 2,50 mts aprox. High power hydraulic group with double rotor and terrain copying roller.



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Easy and fast changing between different fittings thanks to its quick coupling system.

Magnum with sprayer tank. 800 litres capacity. One-piece manufactures with high chemical resistance. Working width 4 mts approx



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Technical Characteristics

Vehicle Length	3500 mm
Vehicle Width	1870 mm
1910 mm	
Power	120 CV
Wheel Drive	4
Vehicle weight	2600 kg



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ABOUT MORESIL



MORESIL, S.L. is a company with more than 60 years of experience in the manufacture of machines three separate product lines, namely: Harvesting headers that can be adapted to cereal harvesters (maize, sunflower and poppy), Machinery for olives or fruit trees harvesting (vibrators and olives cleaners) and Grain cleaners.

Manufacturing quality as well as all their suppliers are ISO 9001 certified.

The company owns state-of-the-art facilities within a 21,000 m² area, of which 11,500 are covered, including: A laser cutting centre, welding robots, lathes and a CNC machining centre, a continuous powder coating facility where a 3-stage corrosion protection treatment is applied, followed by paint baking in the oven, in order to achieve a better surface finish and greater hardness.

The design is carried out with the help of 3D software, over which a finite element analysis is later carried out, thus enabling the verification of its theoretical reliability.

All this is aimed at satisfying producers' needs, in order to adapt to their demands at all times. This has enabled Moresil to achieve a high percentage of exports, and today we are presented in over four continents.

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