

WHITE SHARAK

Hi quality olive pickers



WIRELESS FULLY ANALOG CONTROLLER

WITH EXTENDED FUNCTIONS

The single cruciform and the double diagonal Joysticks' movements allow the operator to perform simultaneously up to four movements.

Joystick with analog operation for accurate handling of all machine's functions.

Beginning of movements and battery power indicator.



Safety switch for immediate shutdown of all machine functions in case of emergency.

Switches for raising and lowering the stabilization legs.

Switch to start and stop all functions.

Switch for increasing and decreasing the speed of the machine's movements.

Rotating analogue potentiometer for variation of comb pulse motions.

Warning alarm.

Independent operation switch for the start and stop of the comb pulse movements.

Dimmer of analog function for the movements speed or, if requested, fluctuation switch for the tractor's engine speed.

The fully analog Electro-Hydraulic Block in collaboration with the advanced manufacturing wireless controller of extended functions allows the operator of **"WHITE SHARK"** to perform simultaneously up to four movements with almost surgical precision without even the effect of reducing the speed of any movement.



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The "**WHITE SHARK**" is without exaggeration the most modern machines that exist today in the world industry and are made to fit either on tractors or on small farm trucks.

For mounting on the tractor, it is required a motor with at least 50-55 hp for the DGF80 type. As for the larger machines depending on the type, it is required tractors with 70-100 hp motors. Their movement is achieved via the PTO shaft that the tractor has.

However, in addition to tractors, the "**WHITE SHARK**" can also be mounted on small farm trucks with a regular, single, or double cab and their movement is achieved by a 25 hp diesel engine.

Depending on the type, the "**WHITE SHARK**" are equipped with an autonomous hydraulic circuit which is consisted of a speed multiplier, a double hydraulic pump, an oil tank and a cooler in order to be able to operate without problem even in the warm Mediterranean regions.

The olive picker machines with arm are one of the most credible proposals to harvest the fruits because, they do not cause any damage to the root system of the trees and do not destroy the branches and leaves, and as a result the trees continue to bear fruit without problems.

The reasons that make you trust the "WHITE SHARK**" are as follows:**

- Their easy, relaxing, efficient, but reliable handling. They can be easily handled by people of both sexes and even of certain age.
- The ability to work long hours but in a relaxing way and this has as a result the increase of the real shaking time, this means an increase on the daily collected amount of fruit.
- Spectacular lower harvesting costs due to lower wages so that you're competitive. You can sell at a lower price and at the same time you will benefit more.
- You will be independent, you and your family will gather the fruits without having to look for workers with all the disadvantages you have when you should rely on other people.
- The Americans have a saying which is: the best worker is the one who is not hungry, not thirsty, not tired, does not ask for an increase and does not strike. If you agree we suggest you to look carefully the "**WHITE SHARK**".
- Due to the flexible cast material of the pins, the strong but at the same time controlled - graded reciprocating movement of the comb, even the fruits of the Koronean variety fall relatively easily without falling off the leaves, injuring the branches and mainly being damaged the root system of trees from fungi that have entered.
- Multiple clever movements, of the two arms and the head, allow the comb to penetrate the tree from almost any point, so the operator gains the ability to shake even the most difficult parts of the tree quickly, easily and mainly productively.
- The wireless control technology combined with the fully proportional electro-hydraulic block provided by the "**WHITE SHARK**" give the operator the advantage of almost surgical precision movements.

But apart from the rugged construction, the high quality materials with which they are manufactured and the top technical features, the "**WHITE SHARK**" have another very important advantage, this is their particularly affordable price.

The "**WHITE SHARK**" are manufactured in four types and are aimed at small growers owning a few dozen trees, but also at large growers and businessmen with a team collecting the fruits of many thousands of trees each season.

Your tractor and a "WHITE SHARK" are enough for you to come to the new age and enjoy all the benefits that it offers to us.

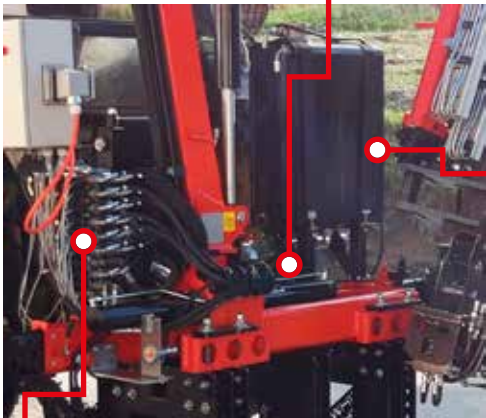


The "**WHITE SHARK**" are characterized as the most up-to-date machinery of their kind in the global industry, and the points that make them stand out from similar machines of other manufacturers are the following:

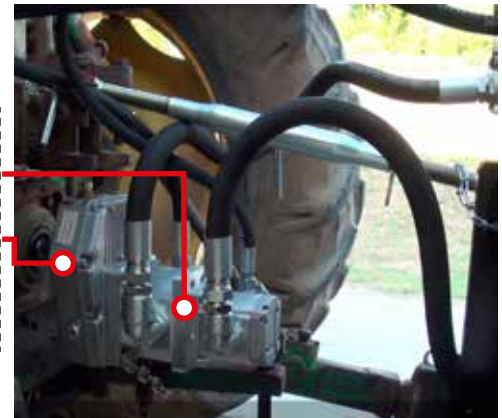


All motions are hydraulic and their body consists of a central tower which rotates 180 ° right & 180 °left with the help of an infinite heavy-duty screw and not with electric or hydraulic rotary plate.

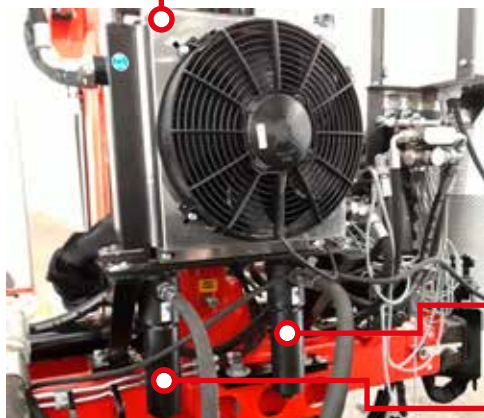
They are equipped with two hydraulic arms and a double telescopic hydraulic extension.



Autonomous hydraulic system with an oil tank, cooler, speed multiplier and a new type double hydraulic pump of appropriate power so that the tractor engine runs at low speed. This way their owner saves a great deal of money on fuel per year while protecting the environment by polluting 30-40% less.



Electro-hydraulic Block fully analog for precise movements to avoid damage to the branches when the comb is in operation within the foliage.



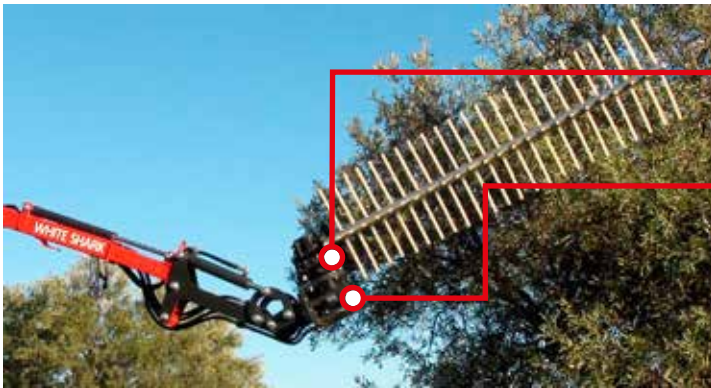
As an extended safety measure to protect the electro-hydraulic Blocks all "**WHITE SHARK**" are equipped with pressure filters. These are a guarantee for the owner because, on the one hand, he will not fail in the field in the middle of a harvest season, on the other, he will not have to pay thousands of euros in the case of garbage coming in and the Electro-Hydraulic Blocks getting useless.



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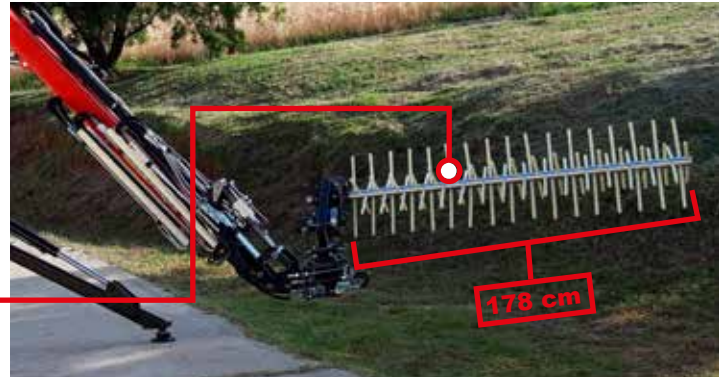
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The **"WHITE SHARK"** are made with rectangular profile Swedish steel STRENX 700 SSAB and not with simple hollow joists used by other manufacturers.



All **"WHITE SHARK"** have a head of advanced construction equipped with an hydraulic motor and an hydraulic rotor. With this advanced construction, the operator can rotate it right or left 360 degrees continuously by shaving the tree, thus saving valuable time.

The comb of the **"WHITE SHARK"** has a total length of 200cm, of which 178cm are useful, and its shaft is made of solid aluminum 50cm in diameter and equipped with 48 flexible molded plastic pins. If broken, the pins can be replaced in less than 2-3 minutes, regardless of whether the broken pin is at the beginning, middle, or end of the comb.



They are equipped with an electro-hydraulic fully analog wireless remote controller with which its operator can perform targeted movements with almost surgical precision on all parts of the machine including the head. Particularly the reciprocating movements of the comb, they can be fluctuated through the rheostat - graded from 0-1-2-3 (very slow), 3-4- (slow), 5-6-7 (fast) 7-8 (very fast) 9 & 10 (too fast).

This graded fluctuation ability is valuable for picking the table olives and very useful for picking olives for oil depending on their ripening (green, black, etc.) the operator using the appropriate speed can save valuable time.



Long-term and / or short-term storage position



Running position in difficult mountainous terrain



Usual running position

All **"WHITE SHARK"** are designed and manufactured bearing in mind to offer the best possible handling to the owner, both during running and long-term storage.

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Auxiliary fruit harvesting machinery



The heads of the **"WHITE SHARK"** can also be mounted on the booms of various machines such as caterpillar backhoe, small loaders as well as on backhoe loaders.

With this option, although the operator may not have all the movements and sensitivity of the movements he would have with a complete machine, he can floor the fruit easily and effortlessly.



The harvesting umbrellas are not equipped with a vibrating system and do not create any problems in the root system of the trees. They can be mounted on the front lifting boom when the tractor is equipped with a front loading bucket. The diameter of the umbrella's opening according to the customer's wish can be 7.0 - 7.5 - 8.0 m.



Picking nets machines are manufactured according to the wishes and needs of each customer. They have the ability to collect the fruits from the nets and place them in plastic lugs, sacks, and trailers if the tractor has front loading arms.



Machines for stretching and gathering nets can stretch out and collect nets of 7 and 8 meters width and up to 100 meters long. They are provided with two or more reels and are particularly useful when laying and collecting nets throughout the width and length of the estate.



The philosophy of **"WHITE SHARK"** is to help the producer become independent and, if not eliminate, at least to minimize wages. That way he will have spectacular lower harvesting costs and he will increase his income while being more competitive. Due to the decrease in oil prices we consider that the **"WHITE SHARK"** machinery is an urgent need and perhaps the only way for the producer to survive in the future.



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Due to their rugged construction and the high quality materials, you can use the **"WHITE SHARK"** except for harvesting purposes in other works as well, such as: • **Pruning of trees** • **Gathering of branches** • **Drilling logs** • **Loading** • **Drilling holes for planting trees** • **Working Basket** • **Putting pales** • **Washing Photovoltaic Panels** • **Destruction of stumps**, and a lot more works.



MACHINE CODE	DGF80	WS 331-00/RC	WS 332-86/RC	WS 382-92/RC
TYPE	Z	C	C	C
Maximum boom area				
Maximum boom area with head and comb				
Maximum boom height				
Maximum boom height with head and comb				
Stabilization legs	Two pieces, spider type, each one with independent function			
Central tower rotation	180° to the left & 180° to the right			
Telescopic extension of the boom's edge / Pieces				
Head rotation - Motor	360° continuous – Two, hydraulic function			
Head movements	125° _ 75° up- 50° down			
Controller	Cable	Wireless fully analog with extended functions		
Comb movements	Back-and-forth movement			
Operator seat	Basic equipment	Not available		
Required P.T.O. turns				
Tractor's required horse power				
Hydraulic movement pump from PTO	Single	Double		
Weight of machine with autonomous hydraulic circuit				

Note: The above specifications may be changed without notice.

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