

GLOBUS

Winshot 1500



USE and MAINTENANCE
MANUAL



Dear customer

Thank you for choosing this product. The product you bought has been developed and designed with the utmost care. We will be happy to assist you to obtain the best results in your use of Winshot.

This product is manufactured and distributed by:

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For safety the user must utilize the machine in the prescribed manner and within the limits of utilization explained in this manual.

The manufacturer declines any responsibility due to a use different from what is indicated in this manual.

No part of this manual may be reproduced in any manner without the prior written authorization of the manufacturer.

Warnings and precautions

Winshot 1500 operates with moving parts which can be very dangerous if approached without the necessary precaution.

Please pay utmost attention, that the operator or other personnel does not get in contact with these parts, can be very dangerous. The utilization of Winshot 1500 is only for trained adults; please do not leave Winshot 1500 accessible to small children.

Before climbing on the operator platform, be always sure that steps and couplers are perfectly locked and there are no clear imperfections.

When the operator is on the platform, be sure that the brakes of the wheels, at the base of the Winshot, are well controlled. (See wheels locking instructions)

Before moving the machine, let the operator coming down and remember to unlock the brakes

Warning !!

Check the level of distilled water inside the batteries every 2-3 months.

CE



The symbol RAEE (Electric and Electronic Appliance Refuse) indicates that this product cannot be disposed of as urban waste but must be sent to specific collecting centers, in accordance with local government rules. This will help protect the environment. For more information ask your local disposal organization, or the entity that sold the machinery.

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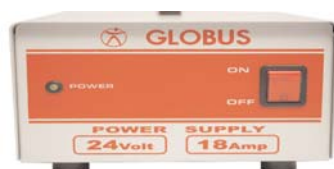
Items contained



Winshot 1500



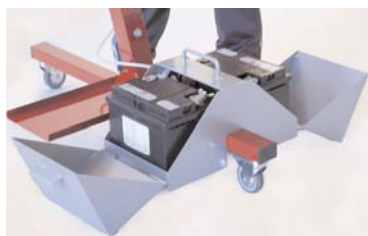
2 ball charts



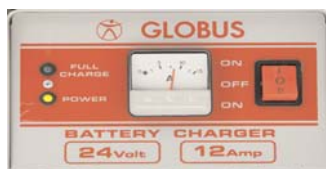
Power supply

Optional accessories

Battery pack



Speed gun



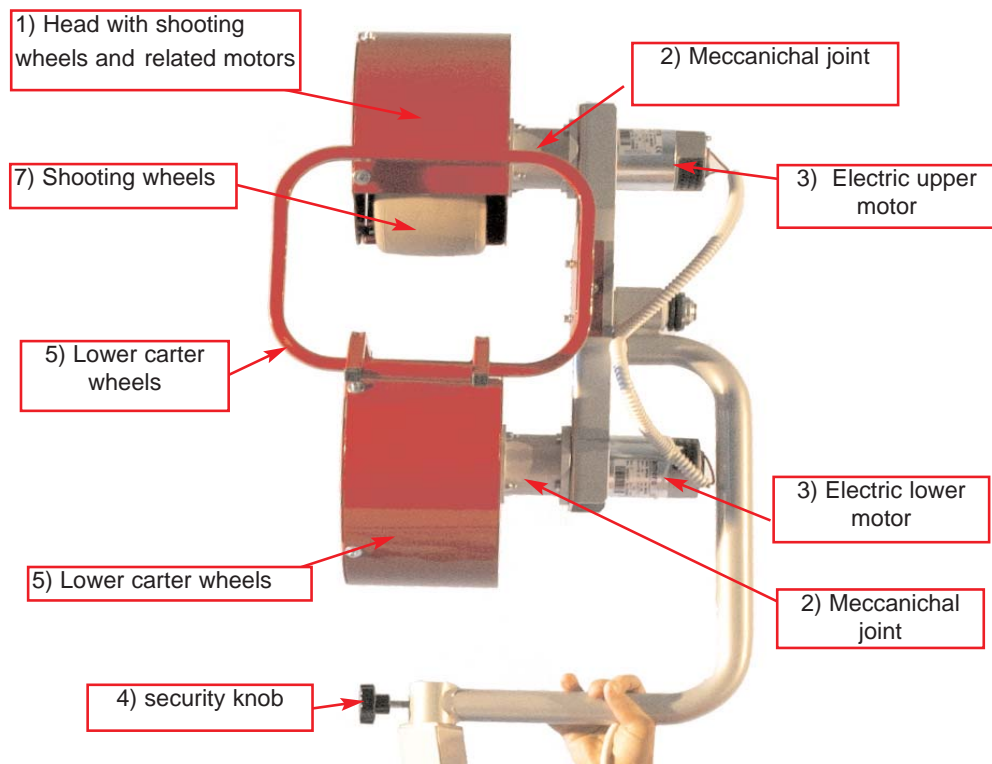
battery charger



Components of Winshot 1500



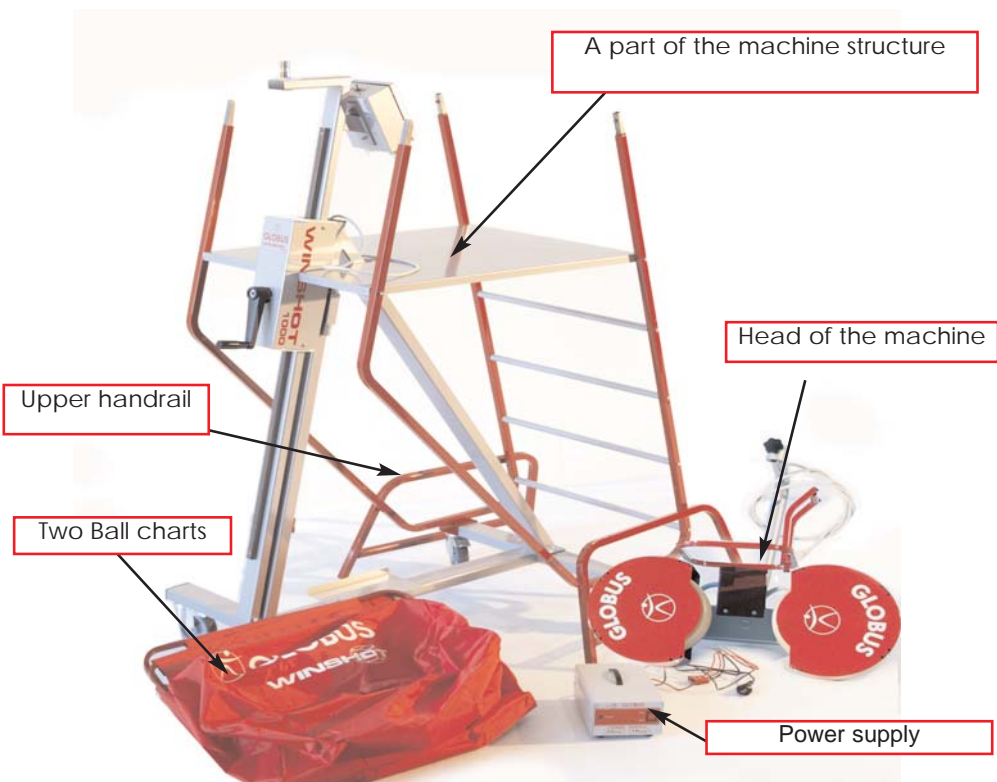
Head of the machine



- 1) The head of the machine consists of 2 electric motors, which turn the two shooting wheels, the ball inlet and the protection guards.
- 2) Meccanichal joint connecting electric motors with shooting wheels.
- 3) Two electric motors which control the shooting wheels.
- 4) Security knob that allows to block the horizontal movement of the head of the machine and prevents it to come out.
- 5) Carter protect the andles of coach.
- 6) Ball inlet from which the ball is inserted on the guide rails and moved toward the wheels.
- 7) Two Anti-wear Shooting wheels launching the ball.

Assembly of Winshot 1500

The machine arrives pre-assembled (as show in the photo).
Please follow the assembly instruction as described below:



1. Connection of the head with the lower structure

2. Assembly of the upper part of the right handrail.



3. Assembly of the upper part of the left handrail



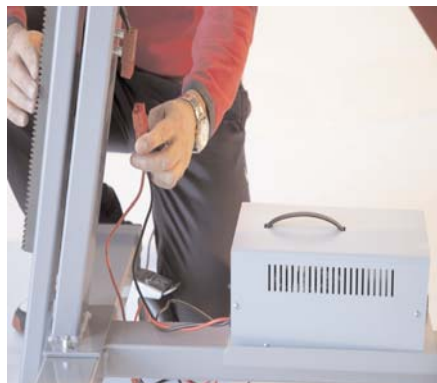
4. Assembly of ball chards to the machine.



5. Connection of the battery pack

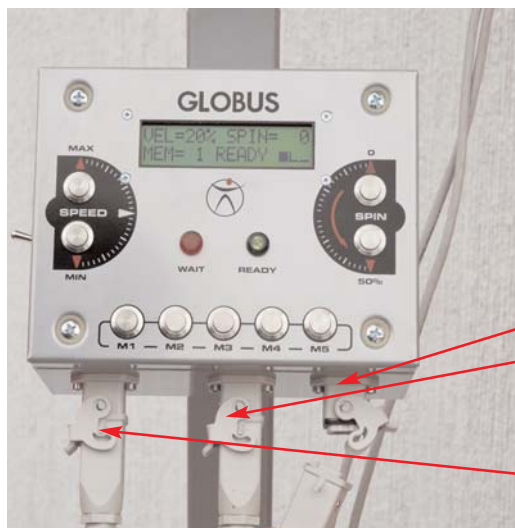


5. Connection of the power supply



Electric motor connection

The two electric motors have to be connected to the electronic controller, with their cables and connectors. The lower and upper motor connectors are different; therefore it's impossible to connect them incorrectly.



Connection between the control panel and the electric motors

connection between the control panel and power supply from an socket or the battery

Power supply

Winshot can be powered from a regular household 220Volt (or 115 Volt) outlet. It is also available a battery-power kit.

Connection between the power supply and Winshot 1500



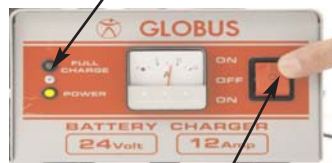
Battery Charger and kit battery (Optional)

Green Led indicated the batteries are being charged. When the charge is complete the Led turns off



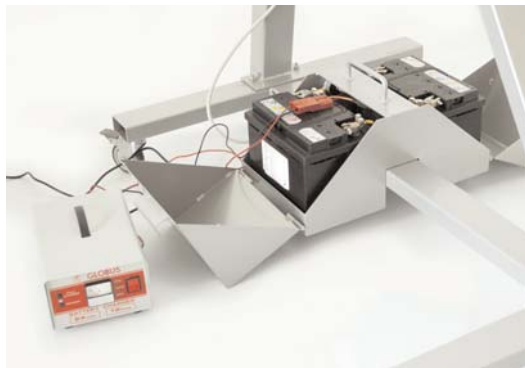
Charge indicator. When the indicator points to zero the batteries are charged

LED illuminates when the batteries are fully charged.



Charge selector with two speed:
I = 8-10 hour charge
II = 3-4 hour charge

Connection between the battery charger and Winshot 1500



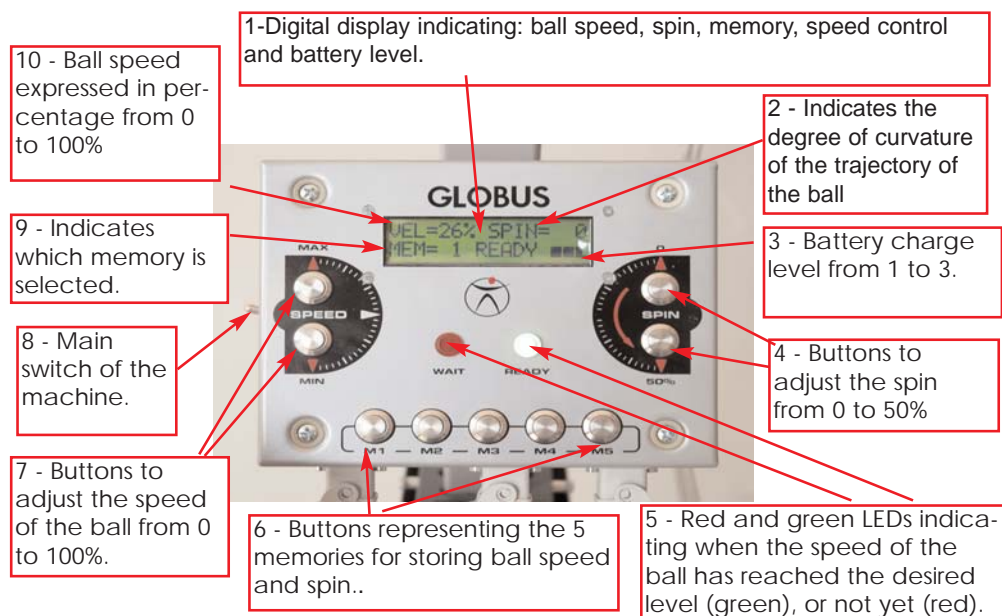
Warning !!

Check the level of distilled water inside the batteries every 2-3 months.

Connection between the battery pack and Winshot 1500



Electric motors controller Fast Control System



1 - Digital display in which the following appear: ball speed, curvature of the ball (spin), charge level of the batteries, memories, machine status.

2 - Indicates the degree of curvature of the trajectory of the ball; with zero spin the ball trajectory has no curvature and the ball exhibits a floating effect.

3 - The level of charge of the battery varies from 1 to 3. When the indicator is at 1 or half a point, please charge the batteries with the charger provided.

4 - The two buttons indicated by the arrow adjust the spin from zero to a maximum of 50%. A good spin value for a serve ranges between 20% and 25%..

5 - The red LED indicates that the wheels are still adjusting to reach the set speed, while the green LED indicates the set speed has been reached, and the machine is ready to shoot with the desired parameters. With WinShot 1500, the time interval between shots, or to switch between different memory settings, is very rapid in the order of one second.

6 - These 5 buttons select 5 memories with settings that can be stored and recalled for shots at varying speeds.

7 - These two buttons are used to adjust the speed of the ball, which varies from 0% to 100%..

8 - Switch on and off the machine.

9 - Indicator for memory selected.

10 - Indicator of the speed of the ball as measured from 0 to 100%.

Adjusting electronic control with Fast Control System

The motor control lets you vary the speed of the 2 motors and it is essential to define trajectories, speed and effects for serves, attacks and settings.



Turn on the control unit with the main switch on the left-hand side. When the machine is turned on, all the parameters are set at zero (speed, spin).



To start spinning the shooting wheels, select a previously set memory or increase the speed and / or the spin.



During this adjustment, the display will show the message WAIT E.. and the red LED will illuminate until the wheels have reached the set speed.



When the wheels reach the desired speed that was set before, the red LED turns off, and the green LED illuminates to indicate that the machine is ready to roll, i.e. shoot a ball with the correct parameters. The display indicates READY.



To store this shot, simply press one of the 5 memory keys for two seconds and the display will indicate STORED MEMORY.



To adjust the setting of a memory, simply change speed or spin and store the memory again with the new parameters.



Between shots, waiting time is very short (1 second), during which the red light illuminates, immediately followed by the green light signalling that the machine is ready for a new shot at the set speed.



When it is desired to arrest the wheels in a short time, for instance to clean a wheel from mud or handle the machine, please follow this procedure. Instead of simply powering off the machine with the switch, which would let the wheels turn for a long time, simultaneously push both speed adjustment buttons for a couple of seconds. This will quickly decrease both wheels to a halt. Then power off the machine with the main switch.

Shooting Wheels replacement

The wheels are made of a special, natural, soft rubber-based material which safeguards ball wear. From year to year inspect if the wheels guarantee the normal functionality of the shot or if it is necessary to replace them.

To replace the shooting wheels, follow the instructions below

1) Unscrew the screws around the protection cover.



2) Unscrew the bolts securing the wheels



Replace the wheel with a new one



4) Fasten wheel with the bolt, tightening it well



5) Place the protection cover and secure it well with its own screws



How to operate Winshot 1500

Following are the main steps to operate Winshot

Wheels locking

Move Winshot 1500 to the position in which it will be utilized; before climbing on the operator platform and its ladder, lock all four transportation wheels as shown in the picture.



Head Lifting-Lowering

Frontal handle to regulate the height of the launch head. From 230 cm to 340 cm. Winshot 1500 can launch the ball from very different heights: from 230 cm. up to about 340 cm. This characteristic allow to reproduce a wide range of serves and spikes, and to repeat the serve characteristic of the adversary. To lift or lower the head of the machine, use the frontal handle as shown in the picture



Frontal handle to regulate the height of the launch head. From 230 cm to 340 cm.

Adjustment of the stiffness of the vertical inclination

Should the operator want a stiffer or looser movement for vertical inclination, it is possible to adjust it with a pin spanner (see picture).



head stiffness adjustment with a 34-36-38-size pin spanner



Vertical inclination

The oscillation of the head on the vertical axis is very wide, thanks to the special fixing system of the wheels on the launching platform, and to the joint which permits a quick and ductile movement of the wheels on the vertical axis. This movement permits to do very close spikes on 3 meters or long spikes on 9 meters and sets of high ball or tight ball with extreme facility.



Head Swivelling

Swivelling is the capacity of the head to rotate on the horizontal axis. This characteristic permits to modify the trajectories of the shots from left to right and vice versa.



For these adjustments utilize the handles on the side of the head..

Practical use of Winshot 1500 SERVES

Winshot 1500 can be used for :

- Float and spin serves with or without jump
- Spikes with jump from front row or back row and with feet to train the defense.
- Setting from any court position and for all trajectory type

Serve

FLOAT SERVE

the main difference from the previously described float serve, is that the ball is served from a higher point. Therefore the head has to be positioned from a height 2.5 m (8 ft 2"), up to 3 m (9 ft 10").



Jumping float serve

the main difference from the previously described float serve, is that the ball is served from a higher point. Therefore the head has to be positioned from a height 2.5 m (8 ft 2"), up to 3 m (9 ft 10").



The serve with rotation (spin), while jumping or with feet on the ground

The motor control lets you vary the speed of the 2 motors and it is essential to define trajectories, speed and effects for serves, attacks and settings.

For example, to simulate the jump serve of a good server set the speed of the wheels to 70-80% with Spin set at about 20%.

ATTENTION!! The speed and the magnitude of the spin effect are extremely dependent on the inflation pressure of the ball; therefore make sure that the pressure is according to the rules of the game in the range 0,294 - 0,319 Bar.



Spike

First-line attack

An attack is simulated with Winshot 1500 with the same settings of the spin serve, but inclining downwards the head of the machine. Position the machine next to the net, and set the head at the correct height , above 2,70 m for women and above 3,30 m for man.



Second-line attack

A second-line attack can be done with the same settings described for the first-line attack, positioning Winshot 1500 on the 3 m line, and increasing the height of the head to prevent hitting the net.



Serve spike defence exercise

Individual defensive exercises can be done, on the ground or outside the ground, exploiting corners or areas of the gym, to train players with specific roles such as the free role and so on. Winshot 1500 allows to do very precise and very technical spikes to train the individual technique of the defense and all its peculiarities. In fact, the big accuracy and repeatability of Winshot 1500 allows an accurate work and countless repetitions on the primary defense, especially with the young athletes that should enhance their technique.

Sets

Winshot 1500 can perform all typical sets of volleyball from all areas of the field. Tilting the head in the appropriate way, one can do different sets of high ball, medium ball, super ball, pipe, 1st and 2nd time back and forth, as well as sets in the 2nd line from zone 1.

The ability to perform many precise and steady sets in the trajectory, allows the athletes to learn easily and quickly the attack technique and improves the coordination which is typical of the run-up attack and of the spike itself. It is also possible, having always the same sets, to work with a lot of efficacy in the technique of the attack shot without wasting any empty jump for inaccurate sets.



ahead sets



back sets

Warranty

Winshot 1500 is guaranteed to the first user for a period of twenty-four (24) months from date of purchase against defects in materials or workmanship, provided that properly used and main-tained under normal conditions of efficiency.

The warranty, if the user uses the device with professional purposes, shall be twelve (12) months from date of purchase against defects in materials or workmanship, if properly used and main-tained under normal conditions of efficiency.

Warranty coverage is limited in the following cases:

- Six (6) months for supplied accessories such as batteries, chargers, power supplies, cables, etc.;
- Ninety (90) days for the media containing software such as, for example, CD-ROMs, memory cards, etc. ..
- No warranty for accessories and materials to be considered "consumables" such as, for exam-ple, electrodes, etc..

The guarantee is valid and enforceable in the country where the product was purchased. In the event that the product is purchased in any country of the European Community, the war-ranty is still valid in all its countries.

To obtain warranty service, you must comply with the following warranty clause:

1. The products will be delivered for repair at the expense of the Client in original packaging.
2. The product warranty will be subject to the exhibition of a receipt (tax invoice, receipt or bill of sale), confirming the date of purchase.
3. The repair will not affect the original expiry date of the guarantee and will not lead to the renewal or extension thereof.
4. In case, when the repair work, we find no defect in the product itself, will still be charged for the costs of check technique.
5. The warranty declines if the failure was due to knocks, falls, misuse or abuse of the product, use of an adapter or charger different from the original, accidental events, product alteration, replacement and posting of security seals and / or tampering product. The same also does not cover damages caused during the transport with not proper packaging.
6. The warranty is not responsible for the inability to use the product, other incidental or conse-quential costs or other expenses met by the buyer.

PRODUCTS CARE

Before returning the machine for repair, we recommend to read carefully the instructions in the manual and visit Globus website in Club MyGlobus area under "what to do in case of pro-blems." In case you need to return your product for assistance, contact your dealer or contact Globus

Service in www.globuscorporation.com www.globuscorporation.com , always accessing Club My Globus Area. Globus pro-duct support may be required to the dealer where you purchased the product or visiting Globus website in the CLub my Globus.

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