NetWizz

Auto tension netting Applicator & Retriever

The NetWizz is a fully proven market leader. Safely handling various types and widths of netting, over single or multiple rows, orchards and vineyards.



- *Automatic speed and netting tension*
- *Fast, safe removal of netting without tears*
- *Netting wound tight on steel spindles*
- *For single and multiple row netting*
- *Self loading and unloading of netting rolls*
- *Five different models to suit your application*
- *Shear bolt protection for top loop & mast*
- *Very compact & safe design*

Manufacturers and designers of horticultural equipment

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* ***SQUIRREL*** Elevating platforms
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* ***OliNet*** harvesting aid for olives etc
* ***BIN RUNNER*** Bin Trailers

Standard Mast Auto tension
High Lift Auto tension
High Lift Swivel Head Auto tension

NetWizz *is a machine for applying and removing netting in vineyards and orchards. Netting is wound onto a simple spindle in an inter-woven pattern like a roll of twine.*

After 20 years, we have redesigned all NetWizz models. Now stronger & faster winding, more compact, safer, stronger frame, easier to operate. The bottom frame is the same for *Standard Mast Auto tension, High Lift Auto tension and High Lift Swivel Head Auto tension models.*



◎ Fast, safe removal of netting without tears

If netting gets caught the sensor automatically stops the spindle, preventing tears. The sensor automatically adjusts the spindle and wand speed to maintain a constant incoming net tension.

This unique sensor system (with rollers) greatly prolongs the life of netting.

Netting tension remains constant, no matter what size roll is being wound up or the tractor's ground speed.

◎ Automatic speed and netting tension



Netting tension is easily adjusted (by turning a large hand nut) to suit different strength nets. Once the tension has been set to suit the netting there is no need to adjust it again.

All the tractor driver has to do is drive down the row and stop only if the netting becomes caught up on the vine trellis. No controls need to be adjusted while driving (retrieving or applying netting).

◎ Netting wound tight on steel spindles



Netting is stored from the vine on square steel spindles and end covers are fitted when in use. These covers have high sides and large sealed ball bearings for easy operation.

New netting supplied in bags or on narrow rolls can be applied straight over the vine with the NetWizz without the need to first wind onto spindles.

The NetWizz comes with 8 steel spindles which are stored in the holder. These spindles are 50mm square x 1.6mm thick, being 1.1m long for standard setting and 1.4m for the wide setting.

◎ Controlled net unrolling tension



When feeding out netting to cover the vines, the spindle hydraulic drive is simply disengaged which allows the net to unroll. A brake can be lowered onto the roll, allowing it to unroll at a set light tension regardless of diameter and also prevents over-run, or can be hydraulically unrolled.



◎ Self loading and unloading of netting rolls

Full spindles are loaded using the tractor's 3PL. The tractor is simply reversed into the roll, with the aid of self-locating guides, then raised with the linkage. If required, an extra roll of netting can be carried on the two arms which slide out.

In it's standard narrow setting (shown above), the larger roll is 15m wide x 300m long, the smaller being 10m wide x 100m long both on 1.1m long spindles.

The steel spindles protrude from the end of the roll enabling easy safe mechanical handling.

Standard Mast Auto tension
High Lift Auto tension
High Lift Swivel Head Auto tension

◎ Heavy duty spindle drive



The new NetWizz has twice the winding power and speed of previous models and allows netting to be wound up tighter and stronger in the auto-tension settings. The motor to spindle coupling is much stronger to give long life.



◎ Adjustable width

The new NetWizz models are easy to adjust in width from:

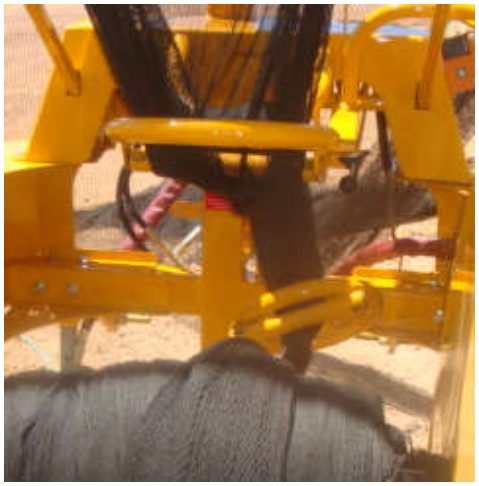
- 1.15m outside wide for long distance transport
- 1.1m spindle length setting (1.55m outside)
- 1.4m spindle length setting (1.85m outside)
- The sides now have 45º deflection

to brush overhanging branches and vines to avoid catching.

◎ Netting Eye Rollers

The new NetWizz now has netting rollers fitted on each eye that the netting goes through.

These HDPE roller bushes have recessed grease nipples. The rollers allow the netting to pass through each eye even if trash is caught in the netting.





◎ Shear bolt protection for top loop & mast

The NetWizz mast incorporates a shear bolt assembly which breaks a small bolt, preventing the top loop and mast from damage.

To work around power poles, trees and for transport, a spring loaded rotating pin is disconnected allowing the mast assembly to rotate.
All model masts can rotate a full 360º and can be auto-pinned at 15º intervals.

Standard Mast Auto tension



NetWizz Standard Auto Tension Above applying netting to 2 rows of vines. A extra roll is carried on the rear. The tractor drives forward and the two ground team ensure the netting is placed at the right width, this speed of application is only limited by the pace of the ground team.





The ***Standard Mast Auto Tension*** has a telescopic centre pole, this is reinforced & stronger than before.
The height pin is easy to remove via a long rotating handle. After several years of trying different top arms we have reverted to the double sided top loop but made from larger tube for easier net handling.



For transport the mast is lowered and rotated 90º.

High Lift Auto tension

◎ *High lift mast option for vines or fruit trees. ideal for wide netting*

NetWizz is also available with a high lift hydraulic mast. This option is ideal for applying wide netting over tall fruit trees or canopy cover vineyard netting.

The bottom frame is the same as the *NetWizz Standard Mast*

Mast is raised via a hydraulic ram, and can be extended by removing a pin and sliding out the insert and re-pinning. There are internal stops preventing the inserts from over extending.

Mast assembly rotates a full 360º and can be pinned at 15º intervals.

When removing netting the top mast is rotated to the front of the tractor. The top arms are now in line with the front of the tractor. The mast still has a shear bolt system preventing damage.

Each top arm is telescopic & supplied with 2 extra extension arms, this is very handy for canopy cover netting, wide netting etc.

The new NetWizz has 3 rollers on the eye at the base of the mast.



covering single row Tatura trellis, with mast offset 30º





High Lift top arms fold back, mast retracted then lowered.



High Lift top arms are telescopically adjustable in width from 4m to 9.5m



High Lift top arms on 4 rows applying & removing netting.

High lift Swivel Head Auto tension

High lift mast Swivel Head option is made for Fruit trees. This model was developed with continued assistance from "DrapeNet"

- ***Hail netting***
- ***Bat netting***
- ***Insect netting***
- ***Bird netting***



Covering one row of fruit trees for protection against big birds

A lot of the NetWizz design changes are made for this Swivel Head Model. Five netting rollers are now part of the two large mast eyes. This reduces the drag and makes it much easier to apply net. Netting arms have been strengthened.

The NetWizz Swivel Head model is now used for a wide use of applications in place of permanent structures.



Head assembly angle setting

The new Swivel head assembly is bolted to the telescopic mast and has 4 angle settings. This allows the Swivel head assembly to be set horizontally to match the tree height.



Rotating the top head assembly can be set at 0 º, 30º or 45º

The Swivel head arms (each side) rotate back and fold up for transport. The top mast eye is pinned to stay in line with the mast.



Folding the tops arms up

To off-set the Swivel Head assembly, remove two pins and rotate to the new setting. The rear top eye remains pinned to the arms. This comes with two end arms for applying & two arms fro retreving netting.

Extra extension arms are available if covering two rows of trees or multiple rows in a vineyard.



Netting covering fruit trees to protect from hail, bird and fruit bat damage



Netting covering citrus trees to exclude insects

Slim Auto tension



Netwizz Slim Auto Tension, removing netting from over five rows

"NetWizz Slim Auto Tension" is a machine for applying and removing netting. This machine is ideally suited for small vineyards, orchards or when working in narrow rows.

Netting is wound onto a spindle in the same fashion as the *NetWizz Standard Mast Auto Tension model*. Rolls can be interchanged between all three auto tension models. This model still incorporates a oscillating wand, auto net sensor, and can use 1.1m or 1.4m spindles.

Mast is hinged at the base and lowered down to extend or retracted, then swung upwards and pinned. When upright the whole assembly can be rotating 45º or 90º for transport. Top end arms are telesopic. Extra extension arms can be purchased.

Spindle end covers are slid on the spool then the tractor drives the spike through the spindle. The tractors 3PL is then raised and spindle is pinned in position.



Raising and lowering the mast



Netwizz Slim Auto Tension, covering five rows



Mast rotated 90º for transport



Netwizz Manual, pulling netting in to wool bag

Manual

The Manual NetWizz is suitable for the smaller grower & requires one person to pull the netting in by hand. The top arms and mast are same as the *NetWizz Slim Auto Tension*. Netting is stored in wool bales (or similar) which are hung on the frame adjacent to the work platform. The bale head frame is bolted on to match the bale height. The bale is removed by lowering the tractor's 3PL and unpinned. No manual lifting of the bale is required.



Roll Spike

OPTIONAL EXTRA

A roll spike is available, which is clamped to fork-lift or front-end loader forks and is then inserted into the spindle. This system allows rolls to be stacked on top of each other for safe and very compact storage. It is strongly recommended when handling large rolls of netting.

Top Arm Extensions

optional extra



The top arm extension comes standard with the *NetWizz High Lift Mast* . They can be fitted as an optional extra to the *Netwizz Slim Auto Tension.*



The top arm bent extension above can be fitted as optional extra to the *NetWizz High Lift Mast Swivel Head Auto Tension.*
They are required if covering multiple tree or Vineyard rows.



Spindles

Extra Spindles can be purchased from your dealer or you local steel supplier. They are 50x50x1.6mm galv RHS steel 1.1m for short rolls or 1.4m for long rolls.

NetWizz Specifications

NetWizz Model	*Manual*	*Slim Auto Tension*	*Standard Mast Auto Tension*	*High Lift Mast Auto Tension*	*Swivel Head High Lift Mast Auto Tension*
Ground Speed (km/hr)Applying / Removing	2-4 / 2-3	2-5 / 3-6	2-5 / 3-6	2-5 / 3-6	2-5 / 3-6
Spindles supplied / length (m)	none	4 / 1.1m	8 / 1.1m	8 / 1.1m	8 / 1.1m
Spindle length (m)	wool bale	1.1m / 1.4m	1.1m / 1.4m	1.1m / 1.4m	1.1m / 1.4m
top arms height Retracted / Extended (m)	2.5 / 4.5	2.5 / 4.5	2.5 / 4.5	1.0 / 6.2	1.0 / 6.2
Top Arms width (m) Min / Max	4.0 / 6.0	4.0 / 6.0	4.8	5.0 / 9.5	5.0 / 9.5
Net Roll Capacity 1.1m spindle / 1.4m spindle	size of bag	15 x 200 / 15x300	15 x 200 / 15x300	15 x 200 / 15x300	15 x 200 / 15x300
Hydraulic Requirements	none	One Control, 2 outlets 2,200 psi	One Control, 2 outlets 2,200 psi	Two Control, 2 outlets 2,200 psi	Two Control, 2 outlets 2,200 psi
Netting Rollers	none	none	3	6	8
Dimensions Bottom Frame when Assembled (m) Width / length	1.3 W, / 1.2 L / 2.35 H	1.1 W, / 2.0 L / 2.5 H	1.6W, / 1.9 L / 2.5 H	1.6W, / 1.9 L / 2.5 H	1.6W, / 1.9 L / 2.5 H
Dimensions Total Machine when stacked for long distance transport (m); Width / length / height	1.15 W, / 1.15 L / 2.15 H	With in australia 1.1 W, / 2.25 L / 2.2 H (In Container 1.15 W, / 1.15 L / 2.1 H)	1.15 W, / 1.8 L / 2.15 H	1.15 W, / 1.8 L / 2.15 H	1.15 W, / 1.8 L / 2.15 H
Total weight Approx. (kg)	150	250	430	500	580

Available Through Your Local Dealer

Warnity 12 month from date of dilvery.

Disclaimer : The pictures and information in this brochure are a guide only. NetWizz and netting weight must be calculated and matched only to a tractor of sufficient safe lifting and carrying capacity. Specifications are subject to change without notice and without liability expressed or implied.