

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.

Six different models to suit your application



- ⊙ Automatic speed and netting tension
- ⊙ Self loading and unloading of netting rolls
- ⊙ Fast, safe removal of netting without tears
- ⊙ Top loops 4.8m & 8.5m / arms from 4m -9.5m
- ⊙ Netting wound tight on steel spindles
- ⊙ Shear bolt protection for top loop & mast
- ⊙ For single and multiple row netting
- ⊙ Very compact & safe design

Manufacturers and designers of horticultural equipment

Phone: **1300 761 922**
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- * **SQUIRREL** Elevating platforms
- * **NetWizz** Bird netting applicator
- * **SADIE** Orchard & vineyard sweepers
- * **OliNet** harvesting aid for olives etc
- * **BIN RUNNER** Bin Trailers



Standard Mast Auto tension

Standard Mast Wide Top Loop 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. Frames are now stronger, hydraulic motors 35% more powerful & 25% faster winding, more compact, safer, easier to operate. The bottom frame is the same for *Standard Mast Auto tension, Standard Mast Wide Top Loop 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.

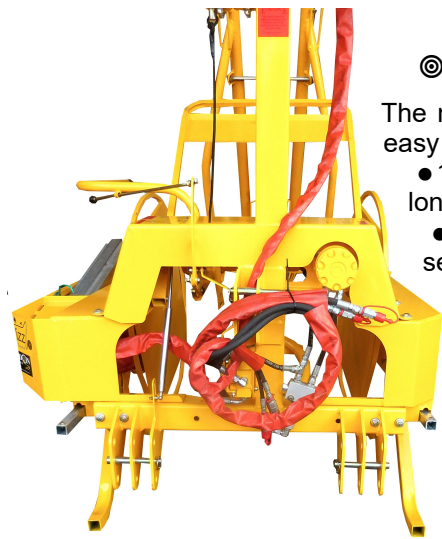
In it's standard narrow setting (shown above), the larger roll is 15m wide x 250m long, the smaller being 10m wide x 100m long both on 1.1m long spindles.

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



⊙ *Heavy duty spindle drive*

The new NetWizz has 35% the winding power and 25% 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. The drive coupling has been reinforced



⊙ *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) as pictured above
- The sides now have 45° deflection to brush overhanging branches and vines to avoid catching.

- Standard Mast Auto tension*
- Standard Mast Wide Top Loop Auto tension*
- High Lift Auto tension*
- High Lift Swivel Head Auto tension*

⊙ *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.



⊙ *Mast Shear bolt*

The NetWizz mast incorporates a heavy duty shear bolt assembly which breaks a small bolt, preventing the top loop and mast from damage. This arrangement is now a lot heavier than before, Ø24 pin in 10mm plate

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 360° and can be auto-pinned at 15° 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 90°.





Standard Mast - Wide Top Loop Auto tension

"NetWizz Standard Mast - Wide Top Loop Auto Tension" is a machine for applying and removing wide netting. This machine is ideally suited for large vineyards or contractors ,

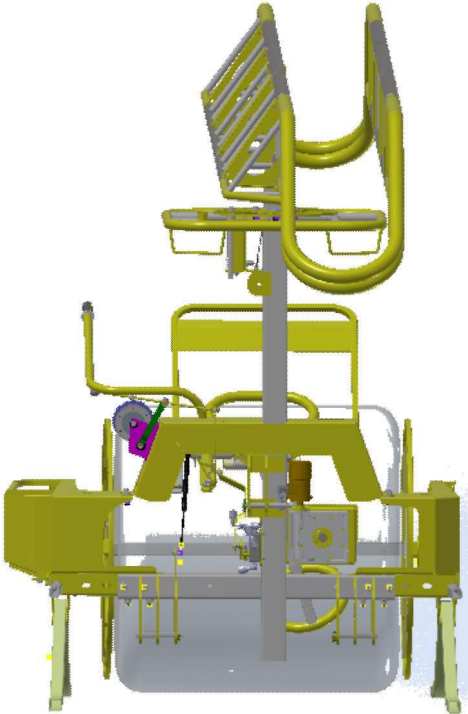
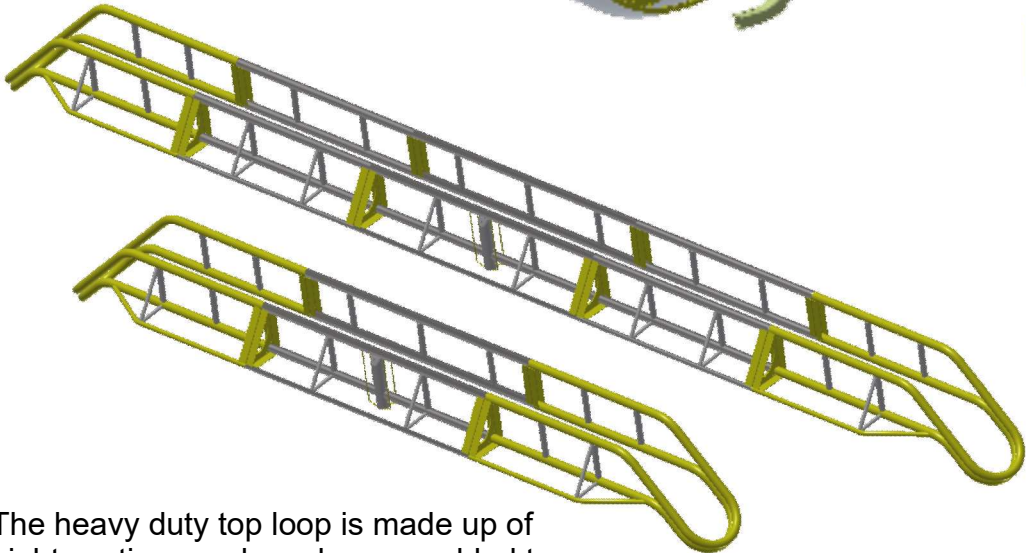
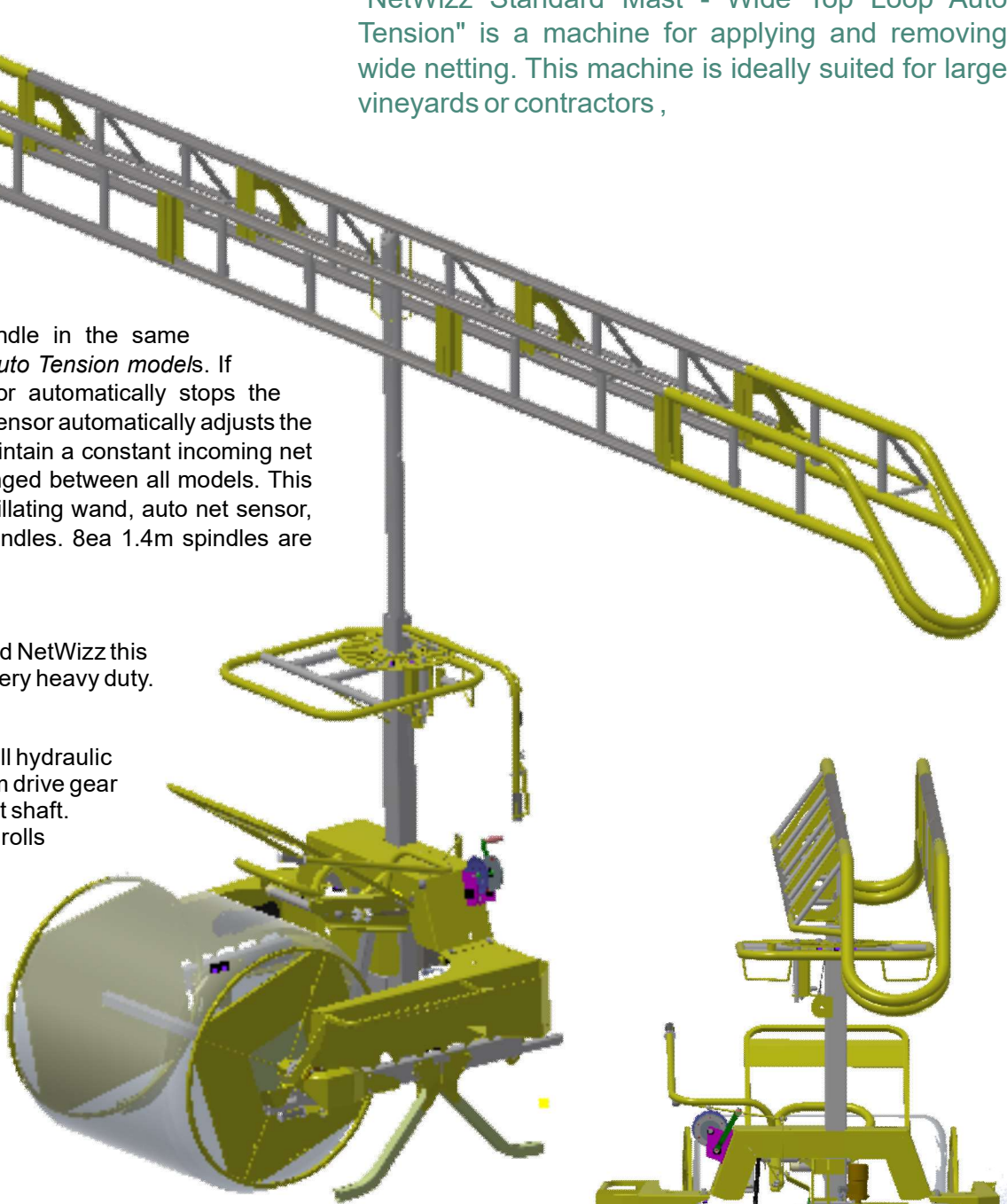
Netting is wound onto a spindle in the same fashion as *all other NetWizz Auto Tension models*. If netting gets caught the sensor automatically stops the spindle, preventing tears. The sensor automatically adjusts the spindle and wand speed to maintain a constant incoming net tension. Rolls can be interchanged between all models. This model still incorporates an oscillating wand, auto net sensor, and can use 1.1m or 1.4m spindles. 8ea 1.4m spindles are supplied.

The bottom frame is same as Std NetWizz this bottom frame is already made very heavy duty. The differences are.

The wand is now driven via small hydraulic motor directly coupled to a worm drive gear box with shear bolt on the output shaft. This provides excellent shaped rolls every time.

The Strong Top Loop is bolted together to make a 8.5m or 5.5m wide loop.

The mast is made from thicker steel tube because of the heavier top loop



Mast is rotated 90° and retracted for transport,
Front view from tractor with NetWizz in the wide 1.4m setting

The heavy duty top loop is made up of eight sections and can be assembled to make either a 8.5m or 5.5m wide top loop.



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 360° and can be pinned at 15° 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 30°



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 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

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 range of applications in place of permanent structures.



Covering one row of fruit trees for protection against big birds



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.

Head assembly angle setting

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



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

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 for retrieving netting.

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

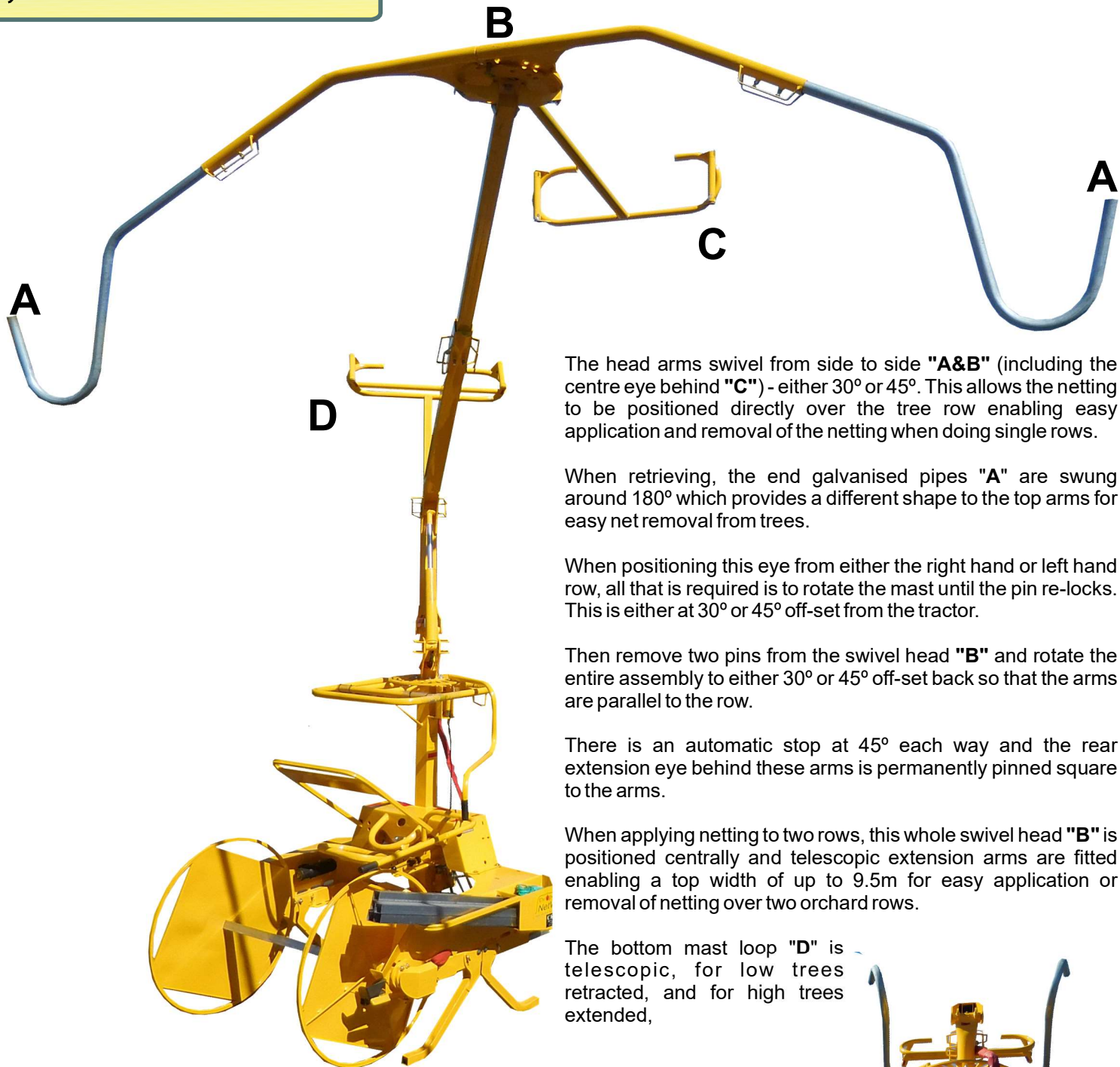


Netting covering fruit trees to protect from hail, bird and fruit bat damage



Netting covering citrus trees to exclude insects

High lift Swivel Head Auto tension



The head arms swivel from side to side "A&B" (including the centre eye behind "C") - either 30° or 45°. This allows the netting to be positioned directly over the tree row enabling easy application and removal of the netting when doing single rows.

When retrieving, the end galvanised pipes "A" are swung around 180° which provides a different shape to the top arms for easy net removal from trees.

When positioning this eye from either the right hand or left hand row, all that is required is to rotate the mast until the pin re-locks. This is either at 30° or 45° off-set from the tractor.

Then remove two pins from the swivel head "B" and rotate the entire assembly to either 30° or 45° off-set back so that the arms are parallel to the row.

There is an automatic stop at 45° each way and the rear extension eye behind these arms is permanently pinned square to the arms.

When applying netting to two rows, this whole swivel head "B" is positioned centrally and telescopic extension arms are fitted enabling a top width of up to 9.5m for easy application or removal of netting over two orchard rows.

The bottom mast loop "D" is telescopic, for low trees retracted, and for high trees extended,



Two Netting removing netting from fruit trees



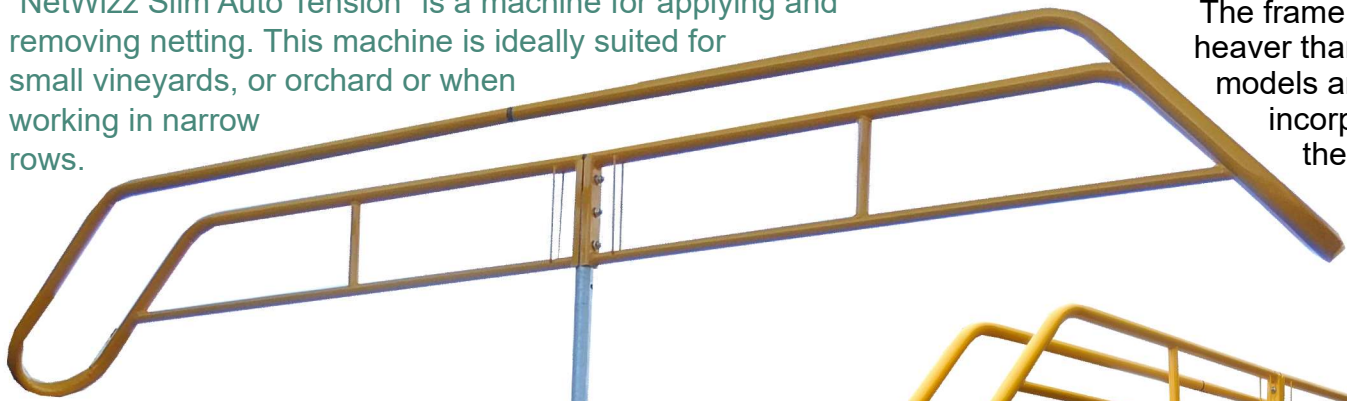
NetWizz High Lift Swivel Head folded up in the 1.4m spindle length setting (1.85m outside) as pictured above



Netwizz Slim Auto Tension, removing netting from over five rows (old model pictured)

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

The frame is now a lot heavier than older Slim models and with now incorporating most the features as on a Std NetWizz



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

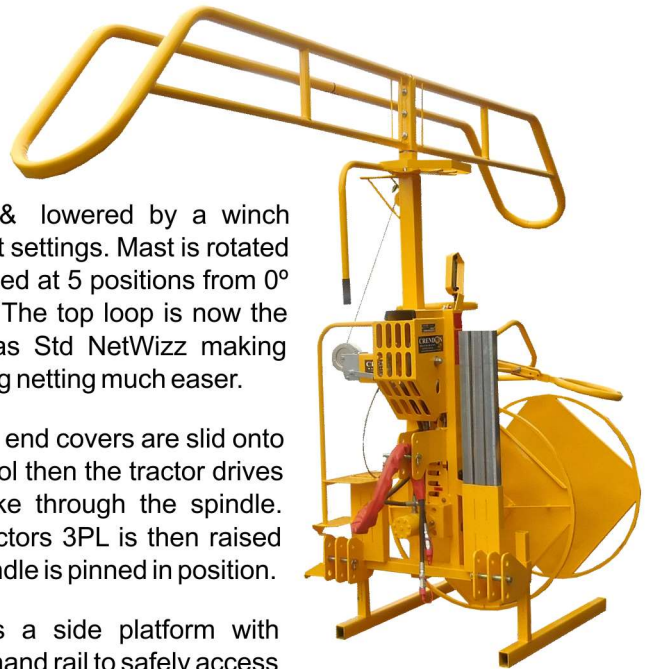
Auto tension setting is easily adjusted via a large hand nut



Mast is raised & lowered by a winch and pinned at 3 height settings. Mast is rotated and pinned at 5 positions from 0° to 90°. The top loop is now the same as Std NetWizz making applying netting much easier.

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

There is a side platform with steps & hand rail to safely access mast rotating pin & other adjustments. There are holders for 6 empty spindles



NetWizz Slim, Mast rotated 90° for transport



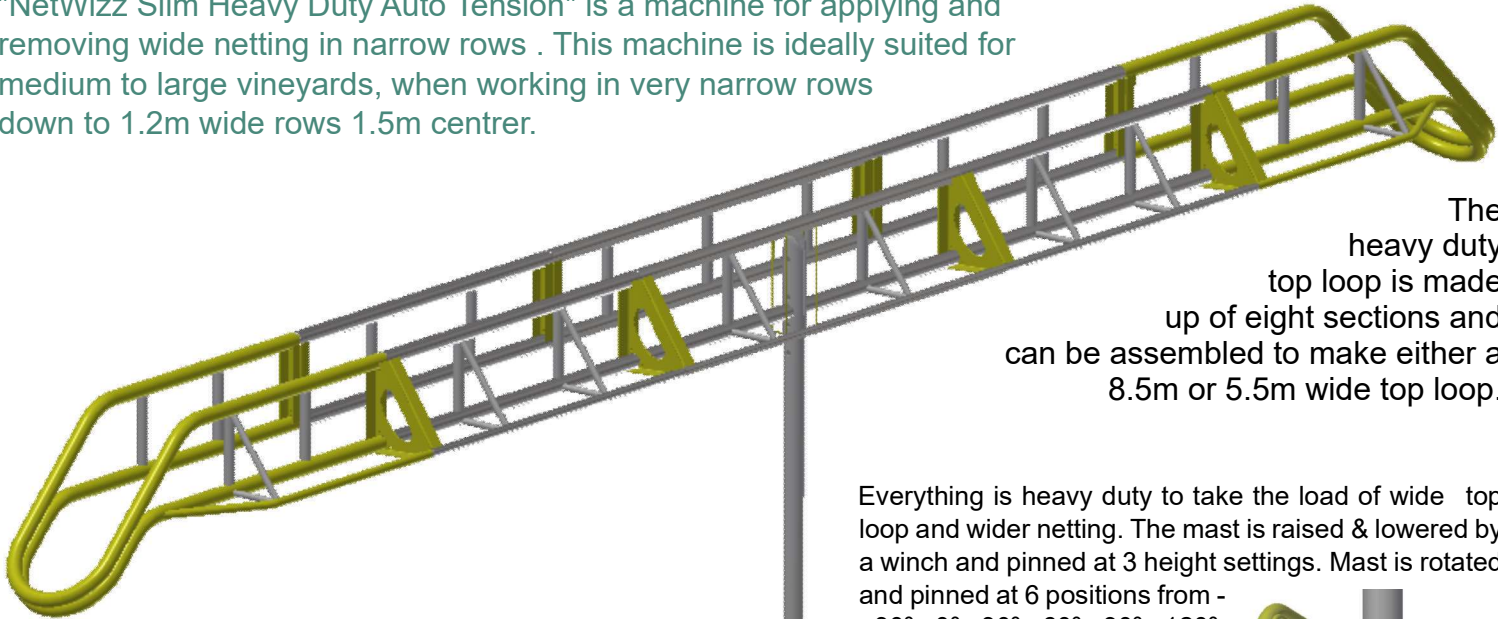
Netwizz Slim Auto Tension, covering five rows (old model pictured)



Slim HD - Wide Top Loop

Auto tension

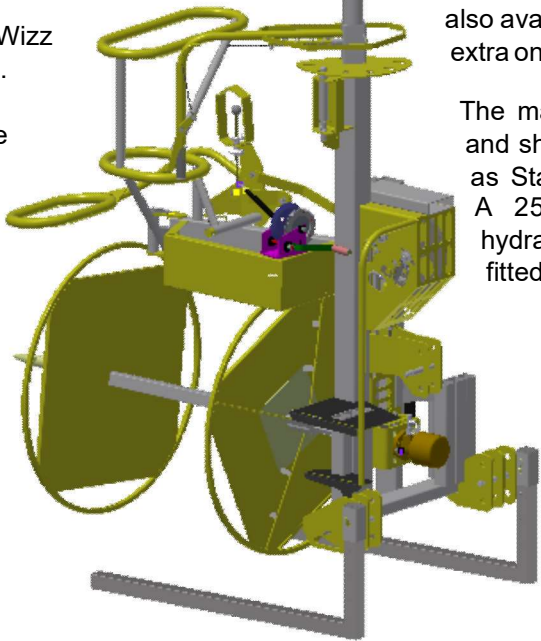
"NetWizz Slim Heavy Duty Auto Tension" is a machine for applying and removing wide netting in narrow rows. This machine is ideally suited for medium to large vineyards, when working in very narrow rows down to 1.2m wide rows 1.5m centre.



The heavy duty top loop is made up of eight sections and can be assembled to make either a 8.5m or 5.5m wide top loop.

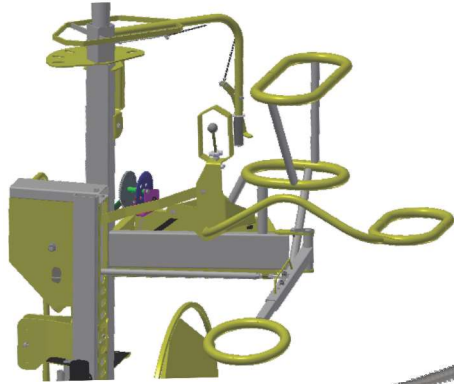
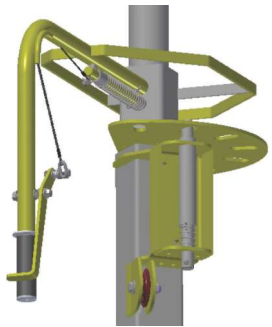
The operation of this new Slim HD NetWizz model is the same as the Slim NetWizz.

Netting is wound onto a spindle in the same fashion as *all other NetWizz Auto Tension models*. 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. Rolls can be interchanged between all models. This model still incorporates an oscillating wand, auto net sensor, and can use 1.1m or 1.4m spindles. 4ea 1.4m spindles are supplied.

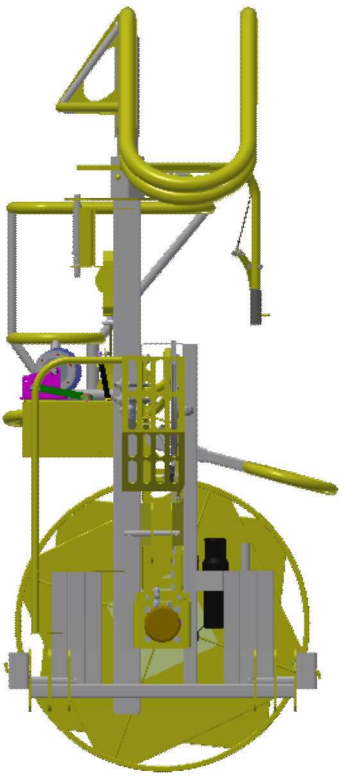


Everything is heavy duty to take the load of wide top loop and wider netting. The mast is raised & lowered by a winch and pinned at 3 height settings. Mast is rotated and pinned at 6 positions from - 30°, 0°, 30°, 60°, 90°, 120°. This heavy duty top loop is also available as an optional extra on Std NetWizz

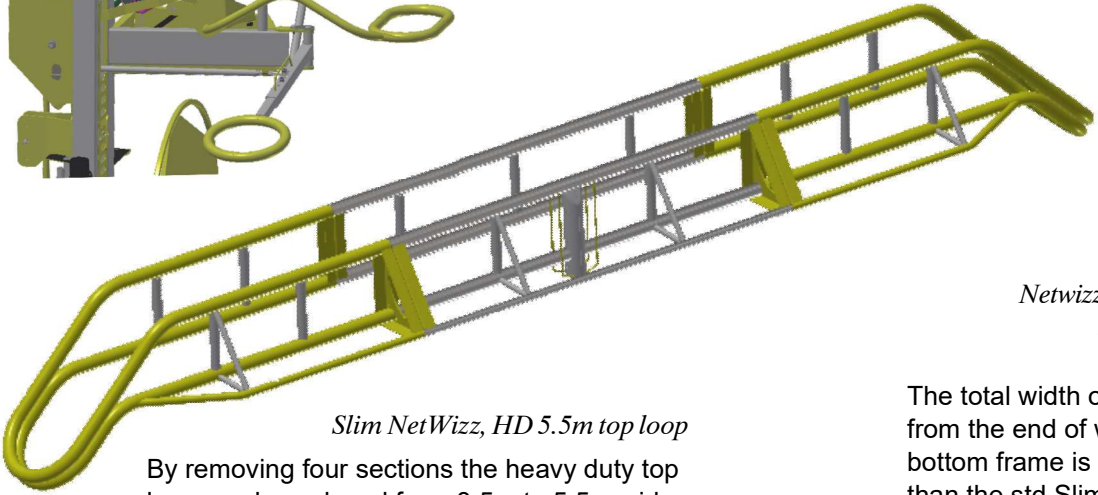
The mast rotator is similar and shear bolt is the same as Standard NetWizz. A 25% more powerful hydraulic motor is also fitted for winding wider netting.



NetWizz Slim, HD, Mast with 8.5m wide top loop, raised to full height with stands on



Netwizz Slim HD Auto Tension, mast rotated 90° and retracted for transport, Front view from tractor



Slim NetWizz, HD 5.5m top loop

By removing four sections the heavy duty top loop can be reduced from 8.5m to 5.5m wide

The total width of this Slim NetWizz HD is 1.2m from the end of wand to mast rotator handle. The bottom frame is only 1.1m wide which is narrower than the std Slim model NetWizz.



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.



Spindles

Extra Spindles can be purchased from your dealer or your 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	Slim Auto Tension	Slim Auto Tension Heavy Duty & Wide Top Loop	Standard Mast Auto Tension	Standard Mast Auto Tension Wide Top Loop	High Lift Mast Auto Tension	Swivel Head High Lift Mast Auto Tension
Ground Speed (km/hr)Applying / Removing	2-5 / 3-6					
Spindles supplied / length (m)	4 / 1.1m	4 / 1.4m	8 / 1.1m	8 / 1.4m	8 / 1.4m	
Spindle length (m)	1.1m / 1.4m					
top arms height Retracted / Extended (m)	4.8m double sided	5.5m & 8.5m double sided	4.8m double sided	5.5m & 8.5m double sided	3.0m / 9.2m	
Net Roll Capacity 1.1m spindle / 1.4m spindle	1.1m spindle = 15 x 200 / 1.4m spindle = 15x300					
Hydraulic Requirements	One Control, 2 outlets max 2,200 psi				Two Controls, 4 outlets max 2,200 psi	
Netting Rollers on eyes	none	none	3	3	6	8
Dimensions Bottom Frame when Assembled (m) Width / length / height	1.25 W, / 4.8 L / 2.5 H	1.1 W, / 8.5 L / 2.5 H	1.1m Spindle; 1.65m wide / 4.8L / 2.5 H 1.4m Spindle; 1.95m wide / 4.8L / 2.5 H	1.1m Spindle; 1.65m wide / 8.5L / 2.5 H 1.4m Spindle; 1.95m wide / 8.5L / 2.5 H	1.1m Spindle; 1.65m wide / 2.5 L / 2.5 H 1.4m Spindle; 1.95m wide / 2.5 L / 2.5 H	1.1m Spindle; 1.65m wide / 2 L / 2.5 H 1.4m Spindle; 1.95m wide / 2 L / 2.5 H
Dimensions Total Machine when stacked for long distance transport or container (m); Width / length / height	1.15 W, / 1.15 L / 2.1 H		1.15 W, / 1.8 L / 2.15 H			

Available Through
Your Local Dealer

Warranty 12 months.

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.