

TECLINE-L

PERFECT YOUR PRESENT





TECLINE-L

A new boom range
100% "Made in Tecnomas"

The TecLine-L boom is available in several dimensions from 30 to 39m. This wide choice provides the perfect response to your operating specifics (surfaces and crops).

At the 1st glance, the TecLine-L stands out with its transport dimensions. The boom **retracts completely into the sprayer with a width of 2,55m on the road**. The sprayer becomes very compact and guarantees you an easy, smooth and stable drive. No extra attention is required while driving and **any possible interference with the tractor cab is eliminated**.

When the mixture is implemented and prepared, **access to the platform and the "lid" is fully freed up**. Because your safety is our priority, you will never need to walk under the boom structure and so avoid any contamination.



Fully secure access

EXCLUSIVE

A completely upgraded design
and mechanical structure

For several years now, spraying speed has continued to increase and TECNOMA can and wants to provide a response to your new practices. **Stability, toughness and reliability are the watchwords for the TecLine-L.**

The TecLine-L boom has a multi-arm design (4 arms/bundle):

- 3 steel arms.
 - 1 retractable aluminium arm.
- Reducing weight at the end limits mechanical demands on the main arms.

The main arms are made up of a six-sided steel structure composed of 2 horizontal folded sheet steel profiles and a mechanically-welded triangulation.



Faultless road size



FRONT COVER

- 1** Suspended parallelogram
- 2** Boom support
- 3** Topfield II sensor
- 4** SPRAYDRIVE

STABILITY: OUR PRIORITY

The TecLine-L adapted to all crops, land and widths thanks to its multi-arm design (multiple division)

Because protecting your crops requires even application, the boom must be stable and maintain a constant distance from the target. The axial suspension, combined with the "SMART-ACTIVE" system provide **faultless stability** in slopes, cant and hilly terrain.

The TecLine-L boom has 3 additional levels of suspension.

- **AXAIR axle suspension** to absorb any unevenness in the terrain.
- **Shock absorbing parallelogram** with hydraulic accumulator to soften any shaking.
- **Shock absorbing variable geometry** with hydraulic accumulators to soften any shaking.

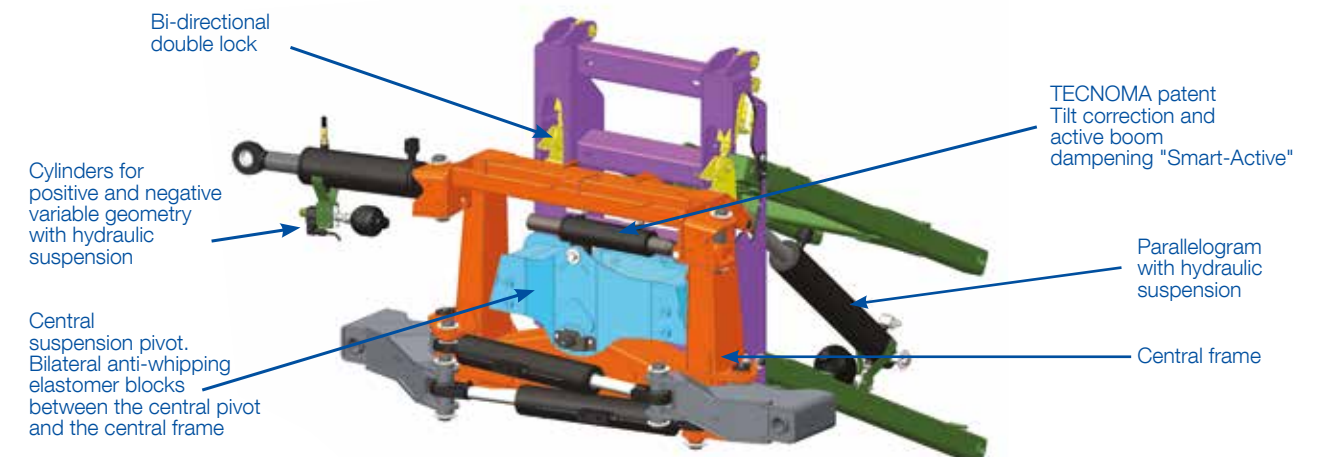
The TecLine-L may be equipped with the optional Topfield II automatic crop tracking system. Its operation is based on the use of a gyroscope and 5 ultrasound sensors.

While a stable boom in relation to the crop guarantees quality application and protection for your crops (vertical stability), **horizontal stability and shock absorbing are just as important.**

When driving, the machine's movement may generate "whipping" (horizontal instability) making the application even. The boom arm structure provides **major stiffness** and stops the arms from whipping. In addition, each articulation between arms is mechanically locked which **prevents any play or too much demand on the cylinders' resistance**. In mechanical terms, the boom becomes a "beam".

Acceleration, deceleration and cornering generate horizontal inertia which must be observed. The central frame must remain free but its movement must be dampened. This function is provided by **4 elastomer lugs** between the "Central Pivot" and the fixed support.

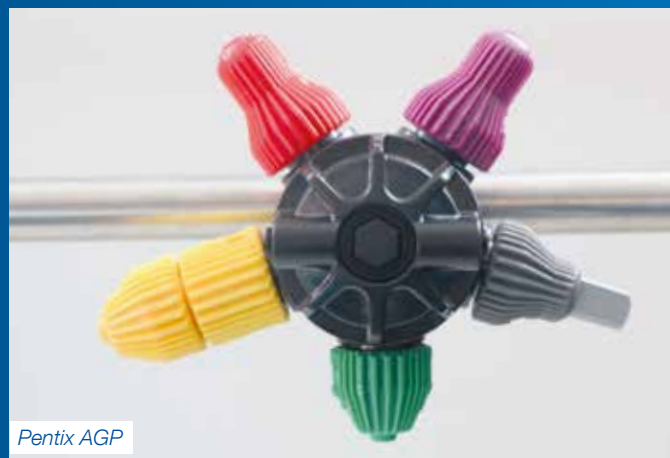
In addition, the TecLine-L boom's central framework is equipped with a **double hydraulic lock** to keep the boom horizontal even if there is an imbalance.



Double mechanical lock on the articulations



Pentix SP



Pentix AGP



OSS+ Teejet



NOZAL nozzles



FLAWLESS APPLICATION

Because your objective is to protect your crops and optimise your yield, our teams are constantly working on new technologies.

The TecLine-L boom is equipped as standard by PENTIX SP nozzle holders mounted on Ø19mm stainless steel tubes. You may mount up to 5 different sets of Nozal nozzles to cover all applications.

PENTIX SP:

New pneumatic selection nozzle holder which guarantees you:

- Time savings: nozzle selection from the cab
- Reduction in dead volume.
- Effective anti-drop system.
- Operator safety.

The TecLine-L may be equipped with an optional continuous flow with up to 18-section AGP the OSS+ or NCIS system.

CONTINUOUS FLOW:

- Immediate priming.
- Easy rinsing and dilution.
- Reduction in nozzle blockage risk.
- Faultless anti-drop system.
- Low volume and high volume compatible.
- Up to 18 sections (option).

Increasing the number of sections increases accuracy and guarantees you product savings without increasing dead volume.

NCIS (integrates continuous flow):

In addition to the advantages above, the individual nozzle opening/closing system helps you **achieve an extremely accurate working width**. You save product by reducing crossovers. The crop's agronomic homogeneity is guaranteed thanks to no double application.

ZOOM ON THE OSS+

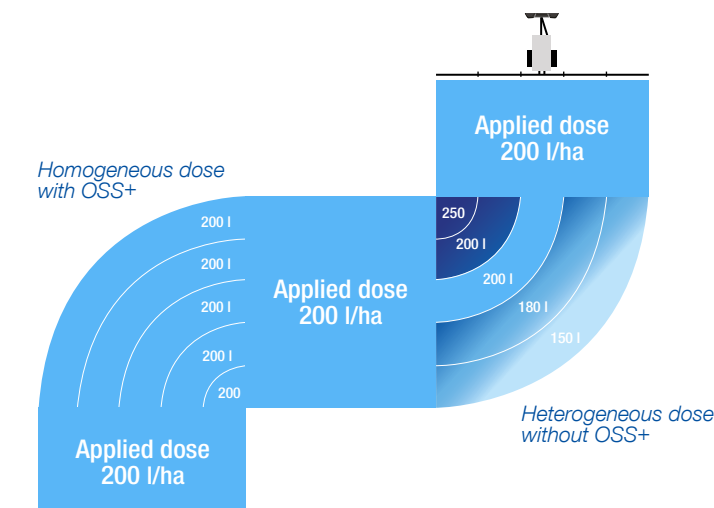
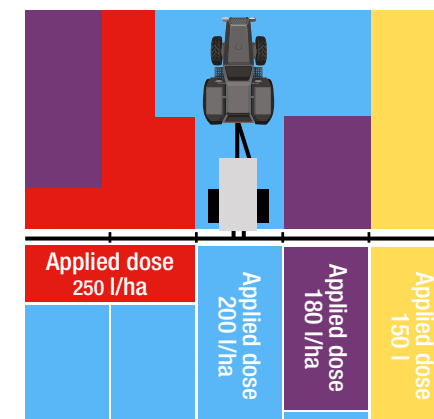
This system removes all speed, drift and pressure constraints. You spray as close as possible to your crop while reducing your bills.

OSS+ (integrates continuous flow):

This system takes all the benefits of AGP continuous flow and adds more:

- Automatic nozzle selection according to the rate.
- Control and maintenance of pressure and granulometry.
- Homogeneous application at all points on the land, regardless of the speed and setpoint.

- 10 to 15% product savings.
- Section by section regulation.
- Regulation in curves.
- Protection for the operator who no longer touches the nozzles.
- ...



HIGH TECH INNOVATIONS

Because your satisfaction is our priority, our teams are constantly working to improve and protect application

LED: PERFECT APPLICATION AT NIGHT



For weather, environmental or even diary reasons, night-time application is recommended more and more often.

The TecLine-L boom may be equipped with the optional full spraying and boom spectrum lighting:

- Lighting by 2 or 4 LED Bluebeam headlights.

You have a perfect view over your application to control the behaviour of your boom and the surrounding environment.

The LED lighting also enables you to quickly detect any nozzles that may be blocked.

The "Precision Agri Pack" provides you with automatic section management. In night-time conditions, this function is vital for cutting the sections precisely.

SPRAYDRIVE: MAXIMUM PROTECTION



The spraying line on the outside of the structure enables different spacing levels between the nozzles. In the event of spray mist due to any drift, the structure is not affected and the risk of chemical attack is reduced.

SPRAYDRIVE

The whole spraying line is protected by aluminium deflectors:

- Full protection for the spraying line in the event of contact with the crop or the ground or during transport.
- Spraying spectrum protection: reduction in drift and homogeneous distribution guaranteed.
- Quicker spraying spectrum: the air is guided towards the vegetation naturally. The spraying spectrum is sped up to reduce drift and dropping time and to improve penetration.



SPRAYDRIVE: an unrivalled spraying spectrum



Blue Beam LED: perfect night-time application

BOOM AND HYDRAULIC CONTROLS

Hydraulic control	Electro-distributor 1 SE + 1 free return (option = hydraulic unit)
Raise/Lower	Parallelogram with nitrogen ball suspension
Boom suspension SMART-ACTIVE	✓
Simultaneous Folding/Unfolding for the main arms	✓
Double lock on central frame	✓
Simultaneous or independent Folding/Unfolding for the other arms (N°2, 3 and 4) - Asymmetrical work	✓
Locking mechanism on articulations N°1/N°2 and N°2/N°3	✓
Hydraulic safety on articulation N°3/N°4	✓
Safety arm	✓
Tilt correction	✓
Independent variable geometries (positive and negative)	✓
TopFiled II - Ground tracking system	Option

SPRAYING

Nozzle holder	PENTIX SP
Pipe for nozzle holder	Stainless steel
Spraying sections	8
Nozzles	NOZAL
Additional sections for standard flow (up to 9 sections)	Option
Continuous boom flow with AGP (PENTIX with double membranes)	Option
Additional sections for AGP continuous flow (up to 18 sections)	Option
2 or 4 Blue Beam LED headlights	Option
OSS+ multi-nozzle system	Option
N.C.I.S ON/OFF individual nozzle management	Option
End nozzle	Option



Approved for road travel at 25 and 40 km/h



Up to 2.50m clearance under the boom for tall crops

4 BOOM ARMS

TECNIS 3500 4500 6000			Central Frame	Arm N°1	Arm N°2	Arm N°3	Arm N°4	Safety arm	Retractable Extension
	30	30/24/18/10	1	4	4	3	1	2	
	30/32	30/32 24/18/10	1	4	4	3	1	2	1
	32	32/26/18/10	1	4	4	4	1	2	
	32/33	32/33 26/18/10	1	4	4	4	1	2	0,5
	33	33/26/18/10	1	4	4	4	1,5	2	
	36	36/28/20/11	1	4,5	4,5	4	2	2	
	36/38	36/38 29/20/11	1	4,5	4,5	4,5	1,5	2	1
	38	38/29/20/11	1	4,5	4,5	4,5	2	2,5	
	38/39	38/39 29/20/11	1	4,5	4,5	4,5	2	2,5	0,5
	39	39/29/20/11	1	4,5	4,5	4,5	2,5	2,5	



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