



# MAXIS 1200 - 1600



[www.tecnoma.com](http://www.tecnoma.com)

**Tecnoma**





## THE CHASSIS

- Robust proven chassis
- Automatic hitching (Cat II) with security
- Automatic hitching (Cat III) for MAXIS 1600 ℓ
- Stands with extensions



Main chassis



### The TECNOMA know-how for your service and security

- Chassis designed for intensive use
- Chassis designed for a three dimensional tank maintaining to increase the longevity
- High quality paint process to resist chemical attacks : shot blasting, Epoxy liquid paint and polyester powder paint
- Automatic hitching (Cat II) for a wide movement (725 mm)
- Stands with extensions : crop protection in the field, stability and easy hitching



Automatic hitching



# THE APPLICATION

## TANK

Light compact and resistant tanks, rotomoulded with high density polyethylene. Tecnomat develops pioneering plastics with a high technology equipment for rotomoulding and injection, process know-how.

### Main tank

- 1200 or 1600 ℓ tank capacity
- 3 rotative washing nozzles for a complete flushing
- Hydraulic agitation by 2 hydro-injectors
- External tank gauge

### Rinsing tank

- 180 ℓ

### Hand wash tank

- 21 ℓ

Option : Dry tank gauge



Tank equipment



Main tank

The TECNOMA know-how for your service, and ensures your security and protection of the environment

### Waste management, security and comfort for the user

- Accessories and equipment integrated in the MAXIS shape : protection and easy cleaning
- Smooth tank wall : limited waste residues and easy cleaning
- Main tank designed to :
  - optimize the rinsing
  - limit the waste residues
  - low centre of gravity for increased stability
- Hydro-injectors for agitation : perfect content homogenisation to optimize applications
- Rinsing tank with more than 10% from the main tank :
  - autonomy for sequential dilution
  - tank and booms rinsing
- Circuit protected by a security valve : user and environment protected
- 3 rotative washing nozzles to rinse the main tank : full cleaning to avoid later contamination



Rotative washing nozzles





## EASY OPERATING AREA

From the implementation to the application and up to the waste management, the MAXIS performs all these operations : 2 unique multi-way valves for simple and intuitive use under security.

- Operating area with 2 multi-way valves
- Filling by suction with coupling Ø40mm : 160 ℓ/min
- Filling by gravity with strainer access by retractable step
- O'Clear system for filling
- 15 ℓ induction hopper with integrated lav'box and rinsing gun
- Full drain tank by manual valve

Options :

- Autonet for sequential dilutions : an easy waste management in the field
- Safety filling :
  - TECFLOW anti-overfilling system
  - NOVAFLOW filling management and anti-overfilling system
  - Hyper-aspiration 260 ℓ/min



The TECNOMA know-how  
for your service, your security  
and the environment respect

- Pipe length minimized and diameter optimization to reduce considerably the dead volume : less loss of chemicals, waste management simplified
- Induction hopper integrated in the sprayer tank profile : crop protection in the field and eliminating external pollution
- Anti-siphoning and anti-return incorporation circuit : environmental safety, no foam in the tank
- Incorporation with clear water : time saver, user friendly, no dead volume in the induction hopper
- Integrated Lav'Box : easy packaging management (EVPP) to follow environmental rules
- A storage area : keep your protection equipment with you





## PUMP AND FILTRATION : COMFORT, LONGEVITY AND PERFORMANCE

All TECNOMA sprayers are fitted with a piston-diaphragm pump to ensure a stable flow at a wide volume and pressure range.

- Piston diaphragm pump PM 400 (160 ℓ/min)
- Self priming pump and ability to go up to 15 bars
- 365 and 500 microns removable filling strainer even if the tank is full for cleaning
- 365 microns self-cleaning delivery strainer : super filtration
- Spray Gauge to check the pressure Ø100mm with expanded scale - Class I with recirculation

Option : piston diaphragm pump PM 500 (250 ℓ/min)



The TECNOMA know-how  
for a quality application in all conditions

- Piston diaphragm pump integrated into the MAXIS main chassis : no contact with crops during the application, best PTO alignment for longevity, ability to slide the PTO for an easy automatic hitching and accessibility for maintenance
- Class I Pressure gauge with recirculation : accurate control, no chemical deposit, easy to rinse and to "anti-freeze"





## THE REGULATION

Whatever your application, we offer regulation for perfect homogeneous distributions

### REGULAIR

Regulation by constant pressure with pneumatic assistance.  
Wide flexibility and working comfort.

- In cab pressure regulation adjustment thanks to the compressor
- Accuracy and pressure stability with the "REGULAIR"

### How does the TECNOMA DPAE work ?

All the TECNOMA DPAE regulations work with a flowmeter. Different flows are measured through the flowmeter, insensitive to pressure, viscosity or density variation. The user just needs to program the volume/ha. DPAE NOVATEC and NOVATOP regulations offer a "return regulation circuit". Thanks to this system, even if the boom sections are closed, the circuit continues to regulate, so, with accuracy and immediate effect the chemicals applied, pressure and flow will be maintained irrespective to the number of booms sections in use.

### TECTRONIC

Regulation proportional to the forward speed (DPAE).  
Only one parameter to enter : rate/ha.

### NOVATEC/NOVATOP

With the NOVATEC as (canbus technology) and NOVATOP (Isobus11783 technology) both available as DPAE regulation with flowmeter. Only one control box in the cab (Screen in colour for the NOVATOP) integrating all regulation, hydraulic and traceability functions. Display during the application: field, rate/ha, flow, under/over dosage, forward speed. 20 plots management : surface, volume, distance sprayed.

**Multi-functional joystick** : all functions in your hand.

Option NOVATOP: precision farming/GPS (guidance, automatic boom sections control, plot traceability)



NOVATOP



GPS antenna



Main screen



The TECNOMA know-how  
for a quality spraying in all conditions

The regulation and the quality application : the heart of the sprayer.

- The regulation bypass returns in the filling circuit :
  - perfect agitation management without returns
  - flushing performance increased
  - limited dead volumes





# BOOMS

## LATÉRAL FOLDING BOOMS HLE OR REAR FOLDING BOOMS RA

Robustness and boom stability allows productivity and quality application

### RA Boom

Compact design for maximum versatility.

- Multi-arms steel booms with hydraulic rear folding
- Boom height control protected with nitrogen accumulator suspension
- Pendulum suspension to maintain stability in work
- Sequential folding and variable geometry
- Central frame lock

### HLE Boom

For an intensive use in all conditions. Today, a reference in the market, thanks to its experience.

- Hydraulic lateral folding steel booms
- Boom fitted on mast with nitrogen accumulator suspension : double acted ram for a perfect movement management, cabin visibility, protects over all ground conditions
- ALBATROSS pendulum suspension : maintaining stability in work
- Bidirectional main frame lock : boom fold operations for security.

### HLE boom options :

- Variable geometry
- ¾ Fold



RA boom

	Boom width	Number of sections	Dual working/spray widths
RA BOOM	20m	5	20/17/12/7
	21 m	5 ou 7	21/17/12/7
	24m	6 ou 9	24/18/12/7
HLE BOOM	20m	5	20/12
	21 m	5	21/12
	24m	4 ou 6	24/12
	28m	7	28/14



## The Tecnomas know how

All booms in the MAXIS range are fitted with Pentajet nozzle holder with DCV and 4 nozzles in the NOZAL range.

- Stainless steel pipes Ø 19 mm : easy maintenance, dead volume limited, easy flushing
- Retractable protection : in case of obstacles, the arm extremity is able to fold without damage
- Distribution by mean of TECNOMA solenoid valves : wide reactivity when switching on/off
- Slope correction : the boom can be used in all terrains
- Hydraulic command by circuit selection or electro-distributor and universal block (Co/CF and load sensing ability)

### Booms options :

- TOPFIELD
- Permanent or semi-permanent boom circulation
- 2 boom working lights
- Foam marker



HLE folded boom



Pentajet





## WEIGHT AND DIMENSIONS

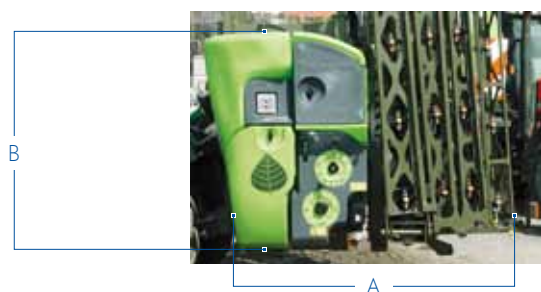
### Maxis HLE 24 m

MAXIS HLE	A	B	C	D	E	F	Weight
1 200 ℓ	0,90m	5,30m	1,60m	3,90m	2,25m	2,55m	1 380kg
1 600 ℓ	0,90m	5,30m	1,80m	3,90m	2,25m	2,55m	1 420kg



### Maxis RA 24 m

MAXIS RA	A	B	C	D	E	Weight
1 200 ℓ	1,80m	1,60m	3,30m	2,35m	2,20m	1 310kg
1 600 ℓ	1,80m	1,80m	3,30m	2,35m	2,20m	1 350kg



## TECNOMA SERVICE

A worldwide network.

Genuine parts available spare parts on CD and all the NOZAL nozzles range.

Dealer stamps



**Tecnom**

