



**AMAZONE**

UX Special/Super

# UX Special UX Super





# The first glimpse leaves an impression that does not need a second chance!

## Spraying technology at its very best

The high capacity, compact trailed sprayer, offering light weight and a low centre of gravity, that travels quickly and safely on the road, meters comfortably,

faultlessly and precisely and above all ensures environmentally friendly spraying in the field.

**Saves time, nerves and cost!**

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## Accurate, economical and environmentally friendly!

AMAZONE field sprayers fulfil the demands of the crop protection decree, the guide lines of the Biological Federal Institute, BBA and the highest European test standards (ENTAM certification). On request AMAZONE field sprayers are provided with an official certificate of inspection for field sprayers which, depending on the country of issue, is valid up to 2 years.

## „Speed-Spraying“ – for increased crop pro- tection performance



AMAZONE offers a variety of equipment to help fill, transport and clean more quickly and effectively, meaning greater savings. AMAZONE groups this enhancement of crop protection performance under the umbrella term „Speed-Spraying“.

### UX advantages at a glance

- ✓ absolutely smooth walled tank with favourable centre of gravity
- ✓ steel profile frame - strong as an ox
- ✓ multi-shock absorbing parallelogram suspended booms
- ✓ light yet strong, superbly engineered compact sprayer booms
- ✓ high capacity pumps
- ✓ operator friendly control station with clear, easy to understand lever positions
- ✓ modern, operator friendly control valve chest and computer technology





# Introducing a comprehensive family

## UX Special with single pump:

UX 3200 Special, 15 - 28 metres

UX 4200 Special, 15 - 28 metres

## UX with tandem pumps:

UX 3200 Super, 18 - 36 metres

UX 4200 Super, 18 - 40 metres

UX 5200 Super, 18 - 40 metres

UX 6200 Super, 18 - 40 metres



24 m

**UX 3200 Special** | 3,600 litres



27 m

**UX 4200 Special** | 4,600 litres



39 m

**UX 5200 Super** | 5,600 litres



36 m

**UX 6200 Super** | 6,600 litres



## The combination of design, ergonomics, innovation and reliability

### Tank – beautiful yet smart!

The compact tank is made from polyethylene to be particularly strong and long lasting. The completely smooth inner and outer walls of the tank with rounded corners and no nooks and crannies ensure quick and easy internal and external cleaning.

**Important:** Residual spray volume is kept to a minimum due to the special shape of the tank bottom

No need for internal baffles due to the optimised conical shape. For instance, during tractor braking, the liquid in the tank is concentrated at the centre thus preventing any surging.

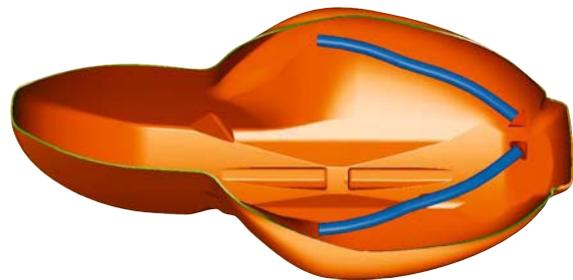
### The tank design offers the following specific features:

- ✓ low transport height
- ✓ less tank nooks and crannies
- ✓ reduced boom overhang behind the wheels
- ✓ low centre of gravity
- ✓ allows parallelogram boom suspension
- ✓ internal tank baffles no longer necessary

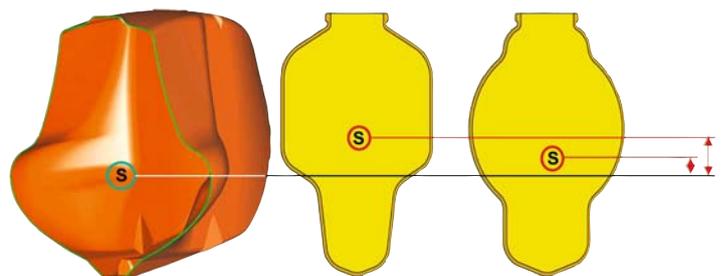
### The result:

Safety even at high forward speeds.

The shape of the UX tank and the compact AMAZONE boom ensure a low centre of gravity and very compact transport dimensions. In addition, the boom is supported close to the back of the wheels using the parallelogram suspension.



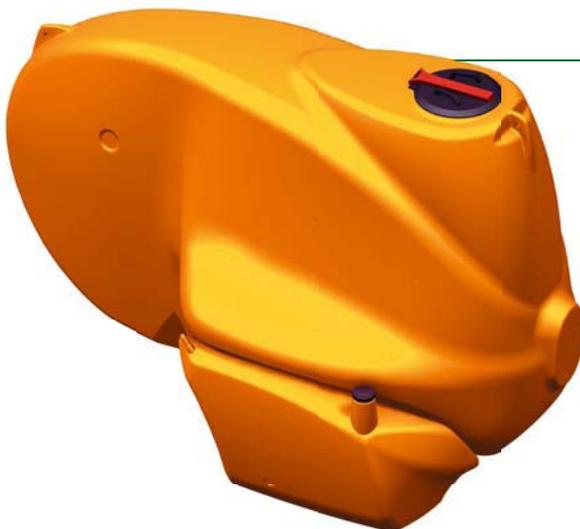
### Low centre of gravity – the decisive difference!



AMAZONE

Other makes

S = centre of gravity



### Functional tank design

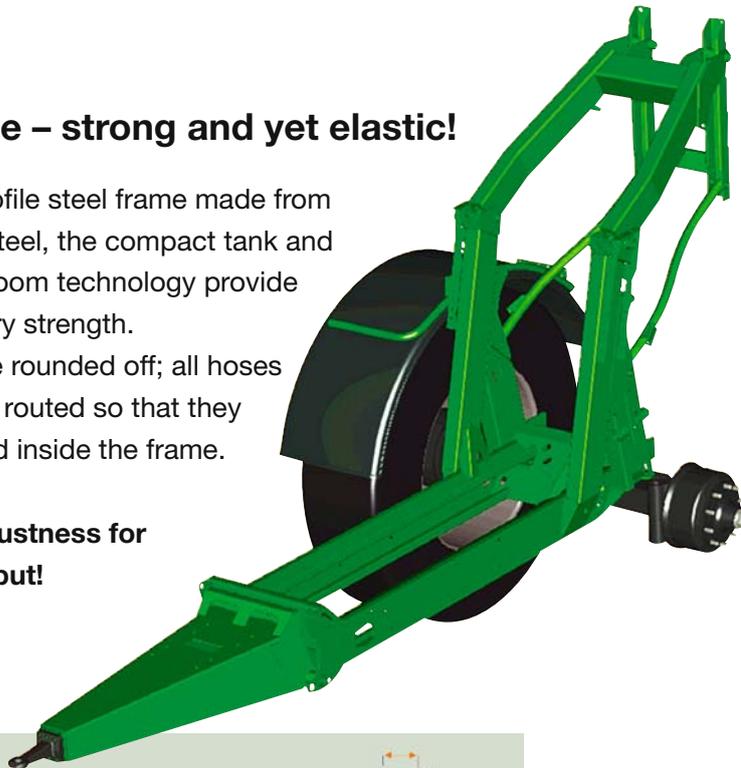
- ✓ Narrow tank with a ideal centre of gravity
- ✓ Smooth tank walls make for easier cleaning inside and out
- ✓ Minimal residues, even on hilly terrain, due to the special sump design
- ✓ JKI-tested agitation efficiency

### The frame – strong and yet elastic!

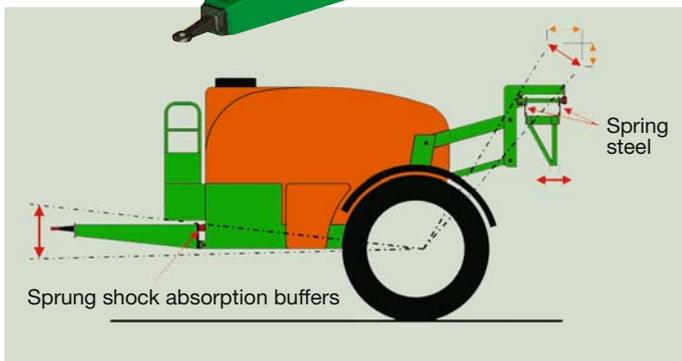
The wide profile steel frame made from high grade steel, the compact tank and the robust boom technology provide the necessary strength.

All edges are rounded off; all hoses are perfectly routed so that they are protected inside the frame.

### Highest robustness for biggest output!



A height adjustable jack is integrated in the frame and with its convenient optional hydraulic height adjustment makes coupling to the tractor quick and easy. A manual mechanical retainer has been fitted as standard.



The drawbar supplied as standard with a shock absorption system to minimise the horizontal to and fro movement within the base machine. The sprung steel centre boom section (on 4-section fold booms) is a further measure towards protecting the boom when travelling quickly on the road or in the field.

### Endurance testing under maximum loads provides accurate stress analysis.



On the sprayer test track all sprayers are put through their paces.



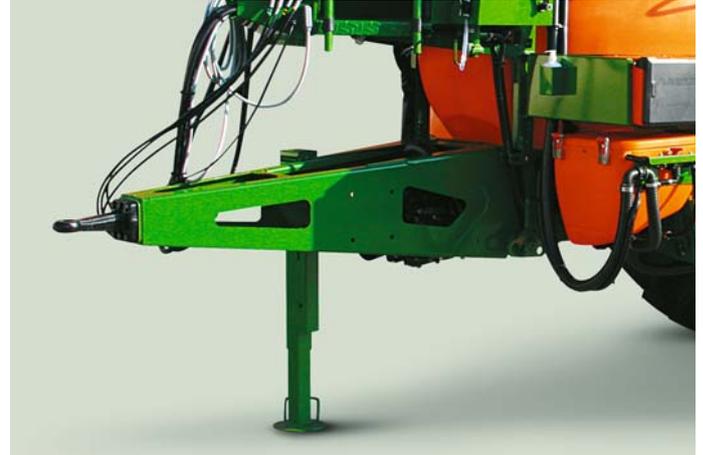
Stress analysis during AMAZONE's extreme load testing proves the durability of the frame and boom suspension.



## Fast on the road – superb in the field!

### Strong, shock absorbed drawbar!

All drawbars - no matter whether steered or rigid, upper or lower hitched - are provided with the drawbar shock absorbance system, an important design element in the UX. Minimising the to and fro movements between frame and drawbar it also protects the booms and prevents any rocking movement of the tractor keeping the operator comfortable. Towing eyes with 40 or 50 mm (50 mm also as a pivoting option) or the modern K 80 ball coupling ensure suitability for any tractor type.



Open straight drawbar for the UX Special

As an alternative to PTO shaft drive, the UX can be equipped with a hydraulic pump drive. Largely unaffected by engine revs, the pump is driven at a gentle, constant speed. LS Profi-fold (load sensing) with active accumulator provides error-free operation of all hydraulic functions such as Trail-tron and Distance-Control.



Cranked drawbar with hydraulic pump drive

### Axle and brakes – Safety first!

With a permitted travelling speed of up to 50 km/h and available as an option, ALB (automatic load related braking valve) the UX is perfectly suited for road travel. Tyres, up to 520/85 R46 (2.05 m diameter), with their large contact surface result in little ground pressure. Track width adjustment of the fixed axles can be specified from 1.50 to 2.25 m and by turning round the wheels two track widths are possible. For utmost flexibility the adjustable axle on UX 3200 & UX 4200 offers an infinite track width adjustment from 1.50 to 2.25 m. The large ground clearance of approx. 80 cm and the flat, smooth chassis underbelly design with additional deflector plate made from stainless steel prevents crop damage. For arduous conditions on the road axle suspension is also available. For extreme conditions, there is a hydro-pneumatic sprung axle option with patented roll stabilisation.



UX 5200 with 2.25 m track width and 520/85R42 tyres



# Plant and soil saving travelling!

## Trailtron – always keep on track!

Trailtron electronic control ensures precise tracking behind the tractor, thereby preventing any crop damage from the sprayer wheels.

The hydraulic steering enables the sprayer to be easily adapted on inclined ground or to manoeuvre the machine in row crop work.



## Trailer towing device

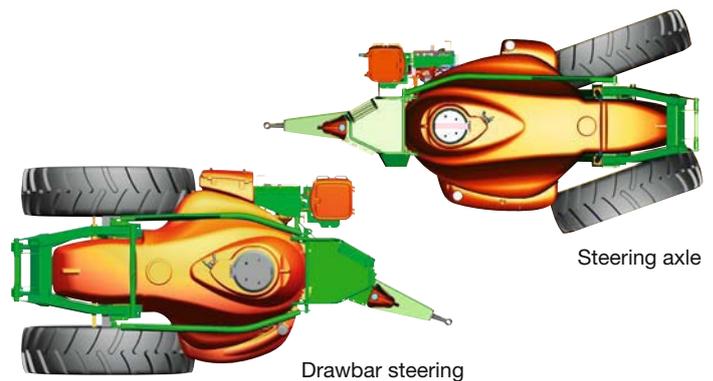
The UX field sprayer can be equipped with a towing device to the rear. Any conventional two axle trailer can be attached, such as fitted with a water tank, up to a maximum train load of 12 t. It has integrated air

## Steering prevents crop damage

Instead of a rigid axle a steering axle can also be specified.

Axle steering provides an especially smooth boom ride and a reduced risk of overturning, especially on inclined ground. The manoeuvring ability, especially when reversing, is excellent. The axle steering also functions when the boom is folded in.

For operation on level ground, a cost-effective steering drawbar is available for the UX 3200 and 4200 for use up to a 28m working width. This can be steered manually or automatically via Trailtron.



braking and road lighting connections. At peak periods, enormous output and cost benefits can be achieved by carrying sufficient water to cover the whole of the field, plus with only one man.



Clevis trailer coupling, TÜV certified to 50 km/h

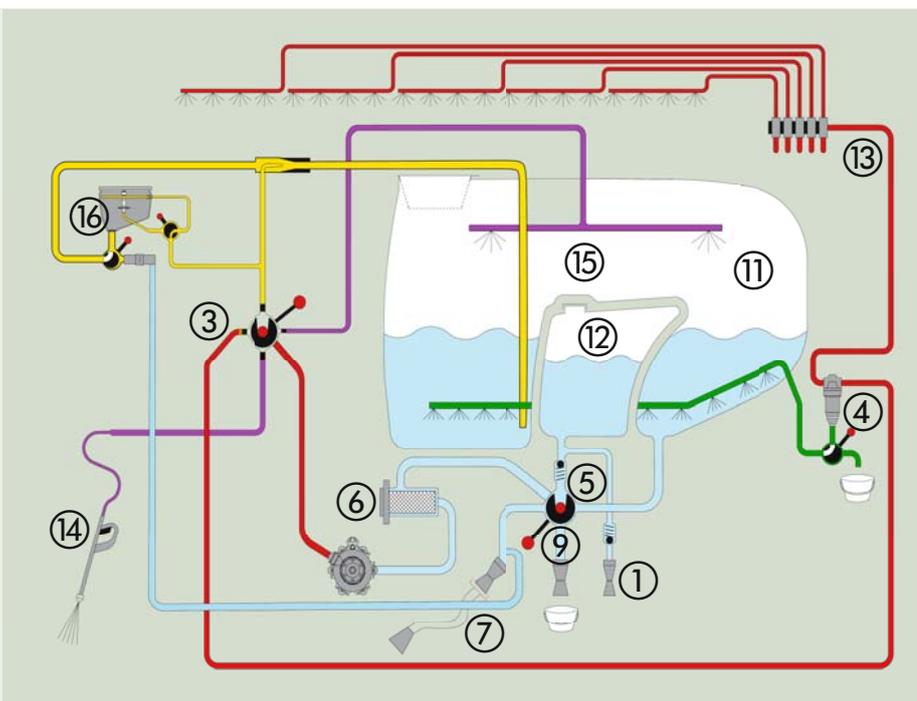
# Operator station UX Special

**2" suction valve for machines with one pump**  
**Filling power of up to 500 l/min**



All UX crop protection sprayers are equipped with a central ergonomically designed control centre. All control elements are logically and unmistakably arranged directly to the front left-hand side of the operator. All operational procedures are accurately indicated by simple lever positions.

Switching on the injector enables fill capacities of up to 800 l/min (UX Super) and 500 l/min (UX Special).



- 1 Filling port - fresh water tank
- 2 Fill level Indication - fresh water tank
- 3 Pressure Vario control valve for spraying, inducting, internal or external cleaning
- 4 Self cleaning pressure filter: individual emptying prior to opening
- 5 Suction Vario control valve for filling, spraying, flushing, rinsing
- 6 Large, central suction filter: cleaning possible with a filled tank
- 7 Fill port for suction hose (3"),
- 8 Agitator valve(s) for infinitely variable adjustment of the agitation intensity
- 9 Pressure-free residue emptying

UX Special equipped with single pump

# Operator station UX Super

3" suction valve for machines with a twin pump system

Filling power of up to 800 l/min

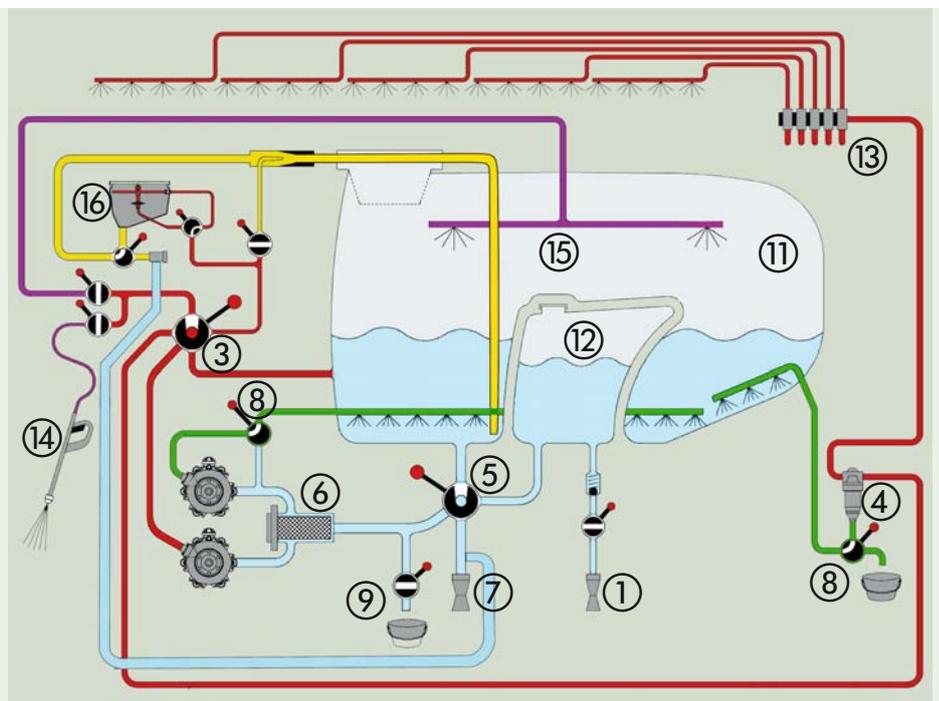
The suction filter can be opened even when the machine is full without losing any spray liquid.



3" suction filter on the UX Super

- 10 Quick emptying (option on UX Special)
- 11 Main spray tank
- 12 Fresh water rinse tank
- 13 Part-width section valves
- 14 External cleaning
- 15 Internal cleaning
- 16 Induction port

- Suction side
- Pressure side
- Cleaning
- Agitation
- Induction





## Precise, economical and environmentally friendly!



### Induction bowl and Venturi

Powdery spray agents and large amounts of urea can be quickly and safely dissolved with the aid of the wash down ring and be quickly inducted, simultaneously, utilising the filling venturi.

Also, with the Ecofill port, transferring small amounts from large canisters is made considerably easier.



### Canister rinsing with the aid of the induction bowl

Problem free cleaning of the spray agent canisters and thus also making full use of the canister contents is possible by flushing with the rotating nozzle and the closed induction bowl can also be rinsed for self-cleaning.

The induction port has a dust proof closing so that no dirt is allowed to penetrate and no liquid to escape.





## Infinitely variable, hydraulic agitation intensity

The intensity of the hydraulic agitation can, steplessly, be reduced down to nothing in order to avoid any foaming of the crop protection agent or to facilitate spraying out the remaining tank contents.

On AMAZONE crop protection sprayers the un-sprayed plant protection agent is delivered back via the return flow into the suction system. In this way any unintended agitation of the spray liquid via the return flow is prevented.

## Cleaning equipment for both inside and out

Three powerful rotating nozzles clean the spray agent tank. Short pipe runs and the smallest cross sectional areas ensure minimal residues.

With the spray lance of the exterior wash down kit the outside of the crop protection sprayer can be thoroughly cleaned after use whilst still in the field.



# The pressure re-circulation system (DUS)

## Ingeniously simple - so functions DUS

Before commencing work, all the hoses including the spray lines are flooded under pressure with spray agent in the reverse direction.

Thus the spray lines are always filled over the entire working width and thus instantly ready for use. No waiting at the headlands for the spray agent to reach the boom ends.

Every time an Individual part-width section is switched off, during each turn and during transport, the spray liquid circulates continually. This is done via the AMAZONE pressure controller, which guarantees a reliable circulation.

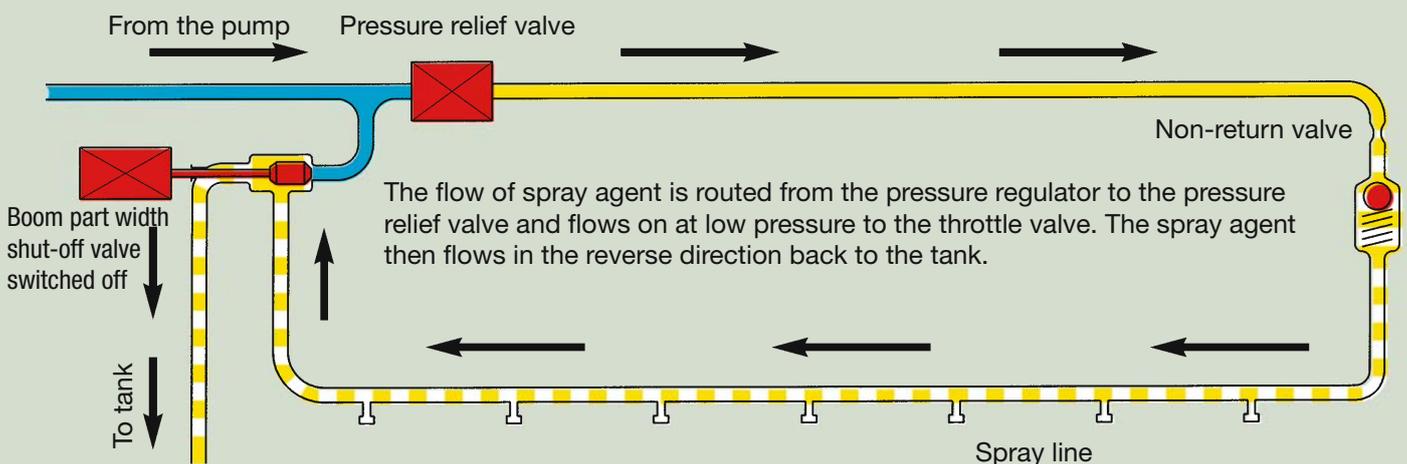
And thus deposits, blockages or any settling inside the spray lines is safely prevented. The concentration of the spray agent always



remains constant right up to the nozzles, so starting the spraying operation, for example after a change of ingredients, is carried out without problems.

During the cleaning operation clear fresh water flushes through the

spray lines down to the nozzles without the necessity to spray. During this cleaning procedure the concentrated spray liquid is returned back to tank via the pressure re-circulation system leaving the spray lines clean.



# Modern spray computers for the UX

## Valve chest reliability

The correct spray rate is accurately and automatically set via the electric regulation motor valve from the spray computer. Motor valves quickly and safely switch on and off the boom part-width sections and when switching off the boom section valves the computer automatically sets the correct spray rate. An equal pressure adjustment is not necessary.

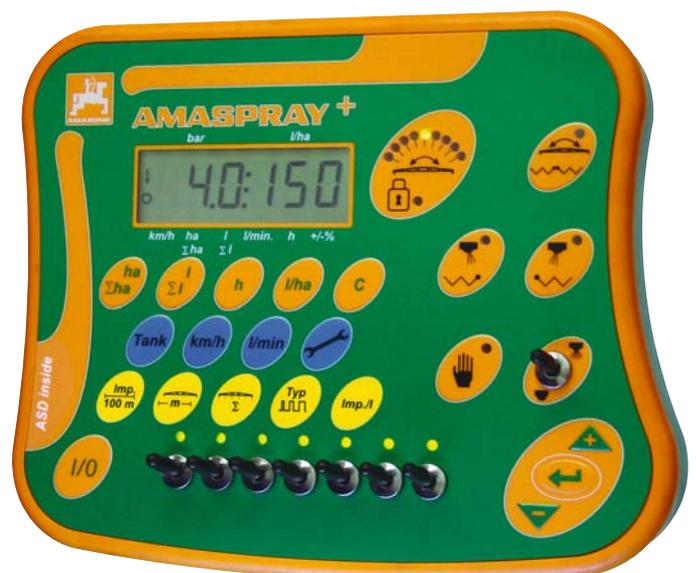
The pressure relief ensures the drip free isolation of the nozzles. The motor valves are positioned at the rear of the boom minimising the length of the spray lines to the nozzles. Up to 13 boom part-width sections are possible (AMATRON+).



## AMASPAY+ operator terminal – simple and versatile

AMASPAY+ enables the simple yet fully automatic regulation of the UX. Integrated switches allow the switching of 5 or 7 boom part width sections. AMASPAY+ has digital pressure indication and digital tank level indication. It registers both, the quantity sprayed and the area worked. The actuation of the hydraulic functions though is carried out via the tractor control valves. AMASPAY+ also visually indicates boom tilt and locking. As an option, AMASPAY+ enables one sided folding of the boom or alternatively the access to the boundary and end nozzle spraying systems.

The AMASPAY+ spray computer with serial Interface can also be used for the automatic documentation (ASD) and part area site-specific application via a GPS terminal.





## Accurate metering and simple operation

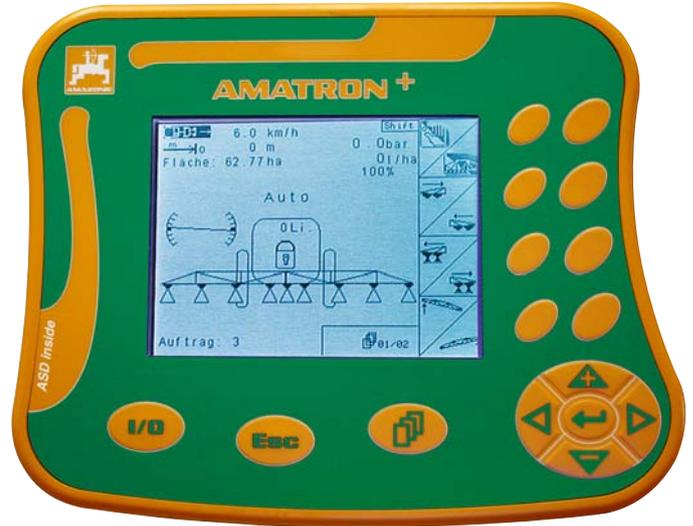
### AMATRON+ operator terminal – Modern and forward thinking

The AMATRON+ on-board computer allows fully automatic control of a predetermined application rate (l/ha). Defined rate changes are quickly and accurately carried out in pre-selected % steps.

Thanks to its clear, simple and logical menu guidance this on-board computer is especially versatile. The large, non-reflecting display monitors the system with its very compact shape requiring little space in the tractor cab.

AMATRON+ also facilitates the use of Distance-Control for automatic boom height adjustment, Trail-Tron for the true track following and the Comfort Pack for the remote control of the liquid circuit.

The digital fill level Indication ensures a constant and accurate fill level check and via the digital pressure indicator AMATRON+ constantly displays and checks the actual pressure.



The computer is equipped with a 20 field record management system and coupling with the automatic plot related documentation (ASD) is possible. AMATRON+ is ISOBUS compatible and provides a serial interface for the connection of GPS terminals and nitrogen sensors. AMATRON+ can also be used in conjunction with AMAZONE fertiliser spreaders and seed drills.

### Multi-function joystick for AMATRON+ – Comfortable use and recommended

Using the multi-function joystick makes operation of the boom and valve chest functions especially comfortable. A small toggle switch allows using the eight buttons in three different levels and thus, up to 24 functions can be operated.



### AMACLICK with AMATRON+

Special crops often require the switching on and off of individual boom part-width sections. AMACLICK is another ergonomic operating unit which can be actuated both in conjunction with the joystick or on its own with AMATRON+.

## Comfort Pack for AMATRON+

With the Comfort Pack AMAZONE offers for all UX sprayers equipped with tandem pumps an interesting option to make operation easier. Via the Comfort Pack control of the most important functions of the spray liquid circuit (filling, agitator intensity and cleaning) can be carried out remotely from the tractor cab.

In this way the desired fill quantity can be pre-determined and the filling procedure automatically stopped when the desired level is reached.

„Rührmatik“ provides continuous, fill-level dependent adaptation of the agitation intensity. The agitators shut off automatically when fresh water is drawn in.

Fresh water can be supplied just to the targeted remaining areas for cleaning.

The boom can be cleaned using the rinse function without diluting the original tank concentration.

Automatic cleaning ensures reliable dilution of the residue in the agitation and the inside of the tank walls.

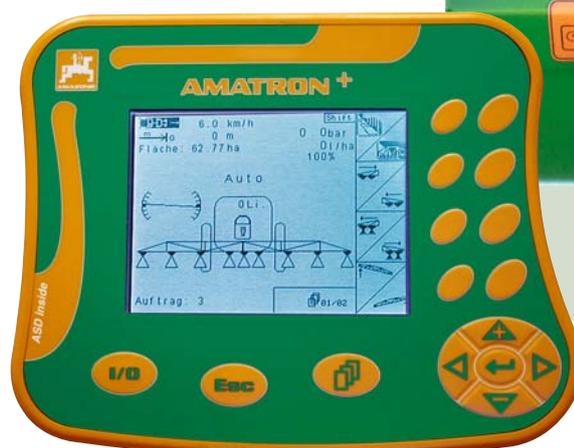
Despite the automatic function, the tried and tested operator station remains, so that you can also confirm all the steps manually from the operator station.



UX Special  
Comfort pack



UX Super  
Comfort pack



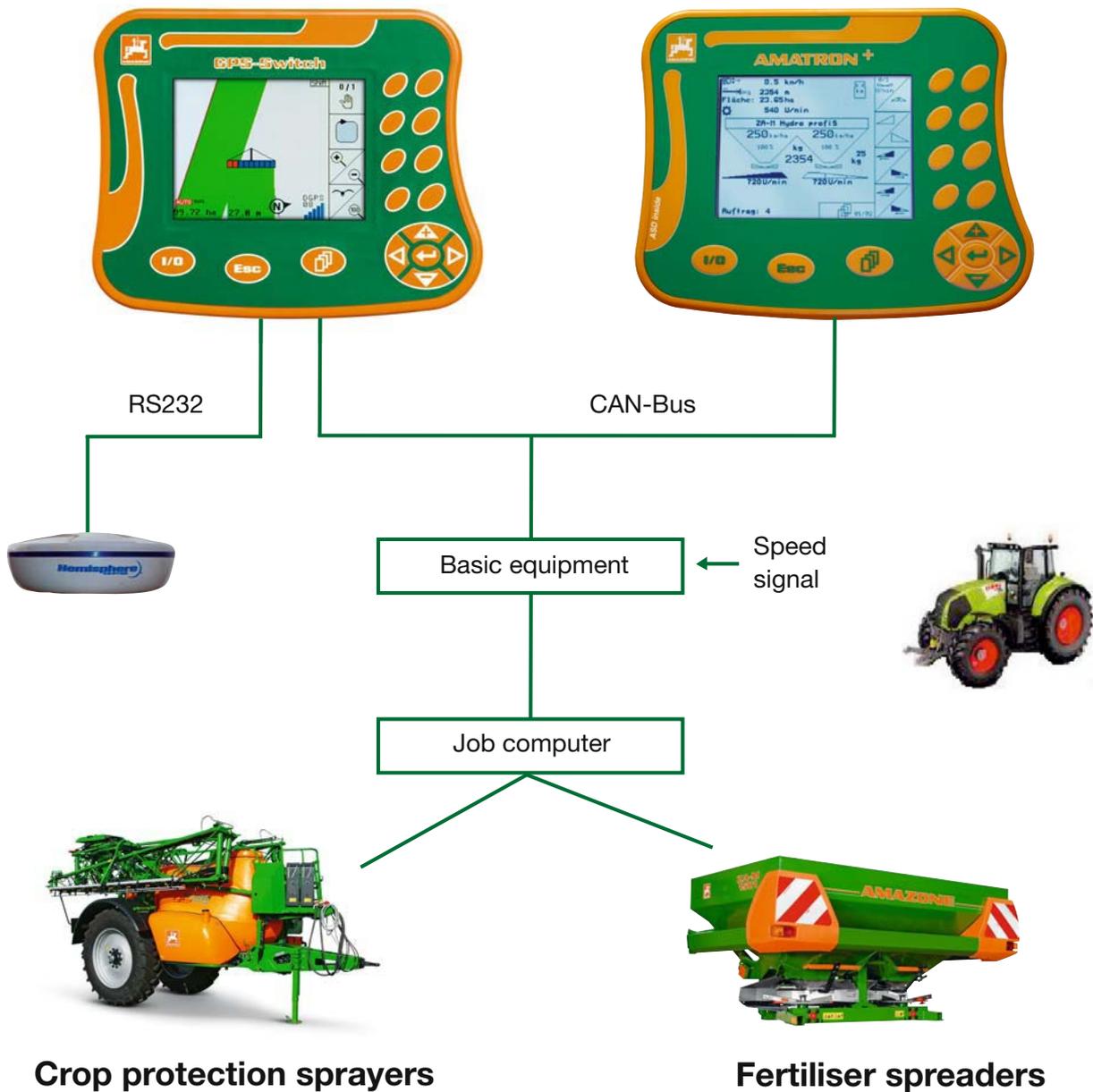
# GPS-Switch for AMATRON<sup>+</sup>

## Automatic boom section control

### GPS-Switch for AMATRON<sup>+</sup>

This GPS assisted on-board computer system automates the accurate positioning for switching off the machine on the headland in awkward shaped fields and wedges. Working width and arrangement of the boom part width sections are considered. Depending on the quality of the GPS signal a very accurate switching is possible.

The GPS-Switch on-board computer can be used universally both for fertiliser spreaders and crop protection sprayers in conjunction with AMATRON<sup>+</sup>.



**Crop protection sprayers**

**Fertiliser spreaders**

# Sensors and documentation: precise and simple

## Sensor systems and GPS control

For the automatic variation of the application rate UX crop protection sprayers can be accessed by many external GPS terminals. One example is for the part area site-specific application of growth regulator in cereals using the YARA N-Sensor.

UX is compatible with future sensor systems which can carry out new crop production tasks.



## Documentation with ASD

Starting from field records the automatic plot related documentation (ASD) offers the possibility to exchange, via a blue tooth interface, application plans and actual programmes with the AMASPRAY+ and AMATRON+ on-board computers. In this way the documentation is more accurate and simpler and hand written notes are not necessary.

Today ASD allows documentation with many important field record software providers in Europe and to promote further accessibility the ASD interface is available as an open standard for all implement and software suppliers. With ASD AMAZONE offers a practical, value for money documentation system for all types of farming



## ACURA for tank filling

As an integrated component of the BASF Pocket Software the ACURA tank fill calculator provides the link between planning in the office and filling the machine. From a combination of the field card index data detailing the planned crop protection agent and liquid fertiliser application programme, the chosen field sizes and the machine size, ACURA accurately calculates the necessary fill quantities for the machine both for active ingredients and water volumes. It also calculates the number of fill-ups necessary for the actual application.





## Profile designed AMAZONE sprayer booms

### Simultaneously superbly robust and superbly light

Due to the special profile design AMAZONE sprayer booms are very light yet at the same time very robust. The boom working widths from 15 to 40 metres allow the optimised matching of the sprayer to the structure of the farm. High-grade quality ensures a long operational life even over very high acreages.



### A pivot joint that lasts!

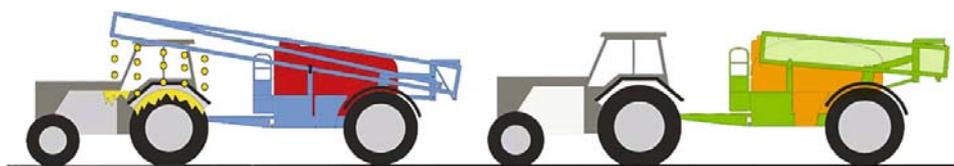


### Stainless (VA) steel hydraulic fittings



The hydraulic fittings made from stainless steel ensure a long lifespan and a high resale value.

### This will not happen to you with AMAZONE sprayer booms!



No spray liquid can drop from the booms on to the tractor and the booms do not touch the tractor cab.



The boom is located safely without movement in its transport position. Shock loads are damped via the parallelogram suspension. No rattling and high speed driving without transport damage!

# Even better with Profi-fold!

## Flexible, quick and precise

**Profi-fold** – flexible and comfortable.

All hydraulic functions can be easily and reliably controlled via AMATRON<sup>+</sup> In the tractor cab. The multi-function joystick makes handling especially comfortable.

**Profi-fold I:**

Height adjustment, folding out and in, one sided independent folding at reduced speed (max. 6 km/h), boom width reduction, and tilt adjustment.

**Profi-fold II:**

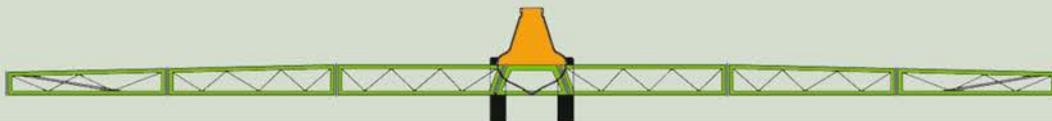
In addition with variable geometry, individual boom tip angling.

Standard with Profi-fold:

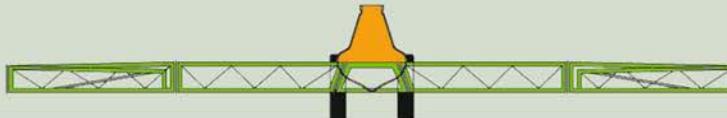
Large filter in the oil circuit for safe, reliable function.

Now for the first time, there is one solution that responds to all the demands on the pump drive, boom or steering hydraulics – a special load-sensing hydraulic system (LS Profi-fold). This means that AMAZONE now provides a hydraulic pump drive that is not dependent on tractor size.

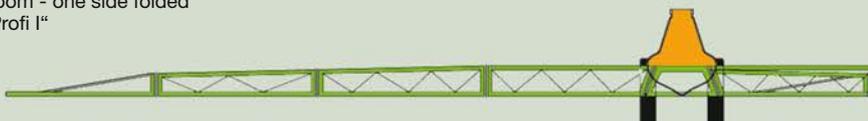
Working width slightly reduced



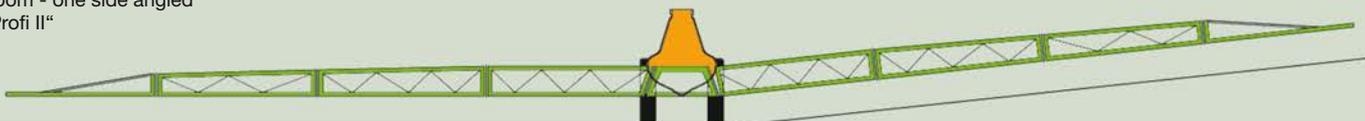
Working width further reduced



Boom - one side folded „Profi I“



Boom - one side angled „Profi II“



**Pre-select fold** – practical and economic.

AMASPRAY<sup>+</sup> or AMATRON<sup>+</sup> enables the easy one-sided boom folding just via the tractor control valves.

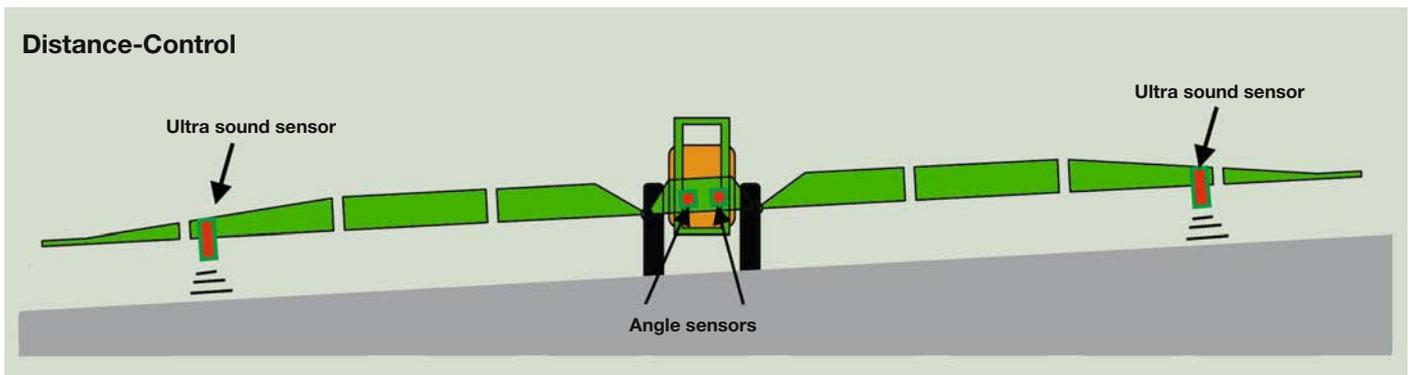




## Distance-Control; automatic boom guidance

All sprayer booms have the possibility for the fully automatic Distance-Control boom guidance. The boom follows the crop surface and is automatically raised at the headlands.

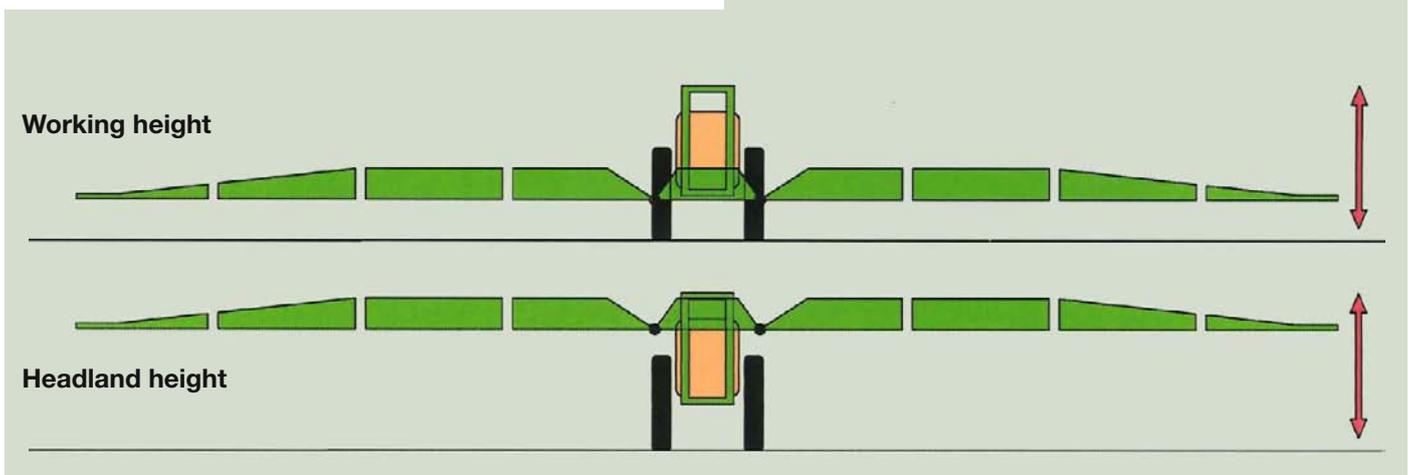
Distance-Control allows the automatic height and tilt control (Profi I) or angling and tilt adjustment in conjunction with Profi-fold II.



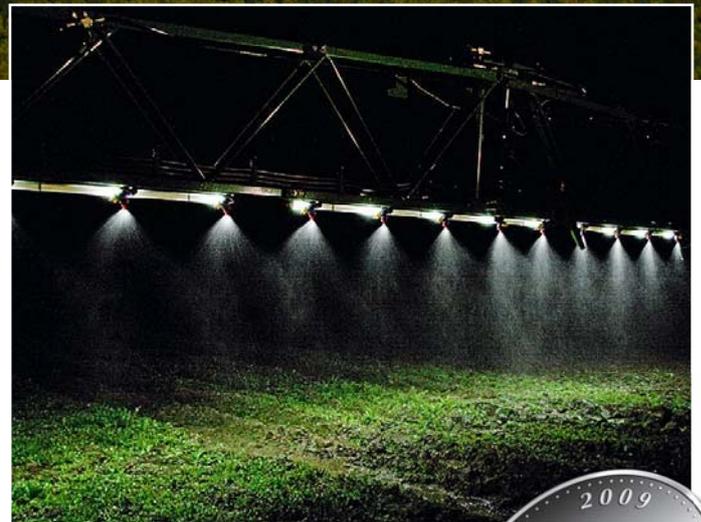
## Auto-lift – the convenient automatic head-land system for every UX with Profi-folding

When the sprayer is switched off whilst turning on the headland, the boom is raised automatically and when the sprayer is switched back on, the boom returns down to its working height. This reduces the risk of damage to the boom while turning on the headland.

- ✓ In the AMATRON<sup>+</sup>, the working height and headland height are specified beforehand in the Distance-Control menu
- ✓ For Profi-folding I and II
- ✓ As before, the tilt has to be adjusted manually



## Work lights for the boom area



Today, a professional work light system is the basis for flexible, high-performance applications during twilight and at night.

Backlighting the spray nozzle fans ensures complete nozzle monitoring at a glance.

Super-S booms have 2 work lights, and Super-L booms have 4 lights. They are particularly effective; thanks to their special design that light up a wide area.

The new LED single nozzle lighting, an award-winner at Agritechnica 2009, directs the light even more precisely onto the spray fan.

Even the last nozzle on the boom can be made out with absolute clarity.





## Super-S sprayer booms

### Superbly strong spraying technology - superbly light profile design - superbly compact folding

Superbly narrow transport width of just 2.40 m on all Super-S booms:

15 – 18 – 20 – 21 – 24 – 27 – 28 m.

The Super-S boom folds fully automatically, in or out, via oversized hydraulic rams.

In the transport position the boom sits compactly and directly behind the base implement with a transport width of just 2.40 m.

The multiple-folded steel profiles of up to 140 mm wide make the Super-S boom extremely robust.

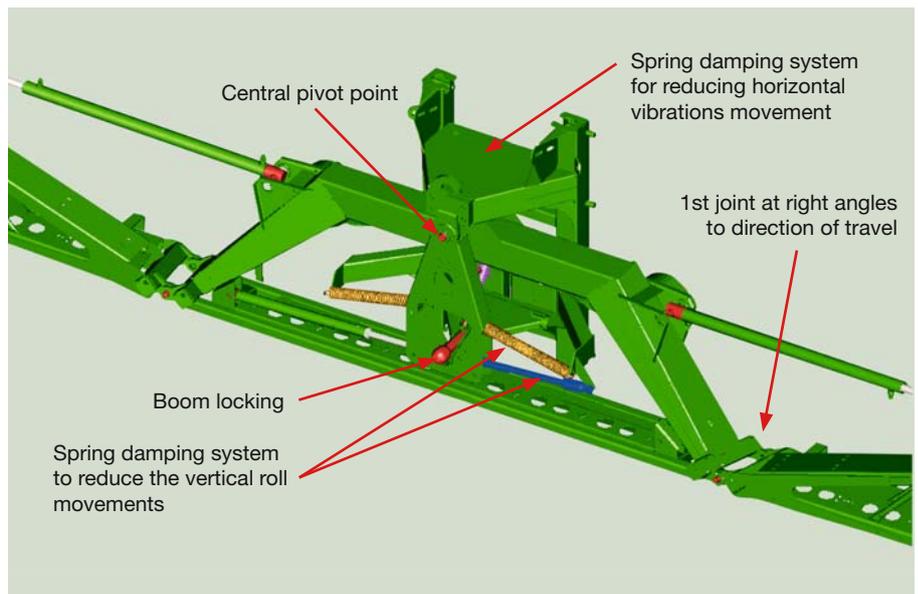


UX 4200 Super, 27m

### Three important elements for excellent boom guidance

Super-S booms come as standard with:

1. central pendulum suspension for the optimum boom guidance on slopes and on level ground,
2. combined spring and damping elements for shock absorbed suspension to damp down the vertical roll movement,
3. Integrated damping system consisting of braking plates and buffer blocks to damp down the horizontal yaw movement.



Due to the shock absorbed suspension with nitrogen accumulators in the parallelogram linkage the Super-S boom is safely guided at the correct distance above the spray target surface.

# Compare for yourself!

## AMAZONE booms – an idea gets its way

### Safe transport!

The visibility in traffic is exemplary. Anywhere the tractor can go, the trailed sprayer with its booms goes as well. No protruding parts, no boom damage, minimised transport dimensions.

### Everything shipshape!

The boom locates without movement into the transport position. No rattling. No wear susceptible boom rests on the tractor. Travelling fast is not a problem.

### Clean working!

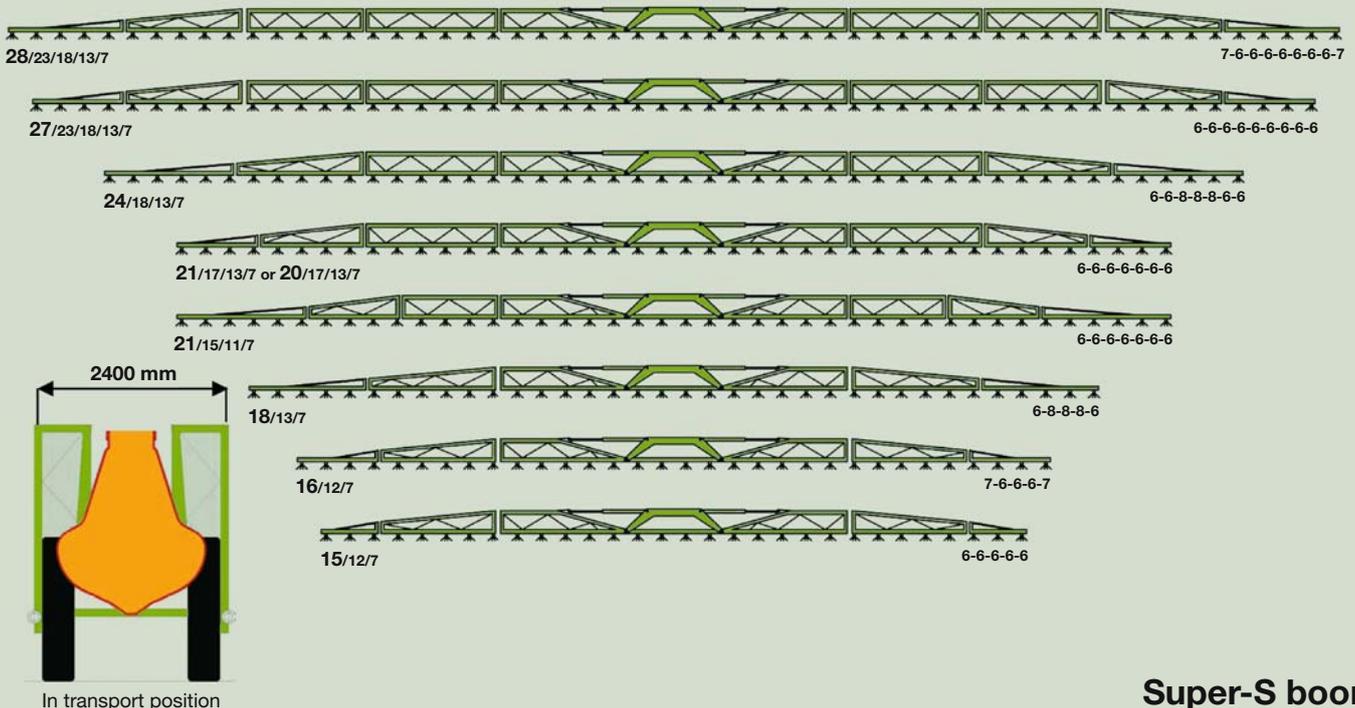
No spray liquid dropping from the booms on to the tractor or the control terminal and the booms cannot touch the tractor cab.



UX 3200 Special, 21/15m

### Mechanical folding points

### Examples of nozzle layout



## Super-S boom



# Super-L sprayer booms

## Superbly strong spraying technology - superbly light profile design - superbly compact mounting

Superbly narrow transport width of just 2.40 m on all three-fold Super-L booms with working widths of 24, 27 and 28 m. Amazing transport width of only 2.60 m on all four-fold Super-L booms with working widths of 27, 28, 30, 32, 33, 36, 39 and 40 m (UX 6200: 2,80m).

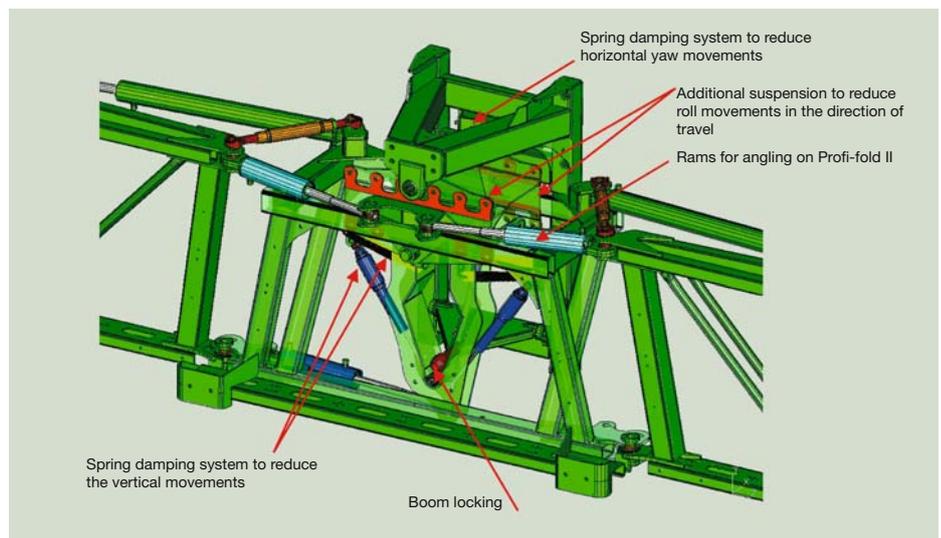
The Super-L boom is automatically folded fully in or out via oversized hydraulic rams. The folded in booms are positioned down the sides of the tank. The boom is fixed safely, without movement, on the transport-locking device with any shock loads being absorbed via the parallelogram suspension even in the transport position.

The multiple folded steel profiles of up to 220 mm make the Super-L boom superbly robust.



### As standard the Super-L booms are equipped with:

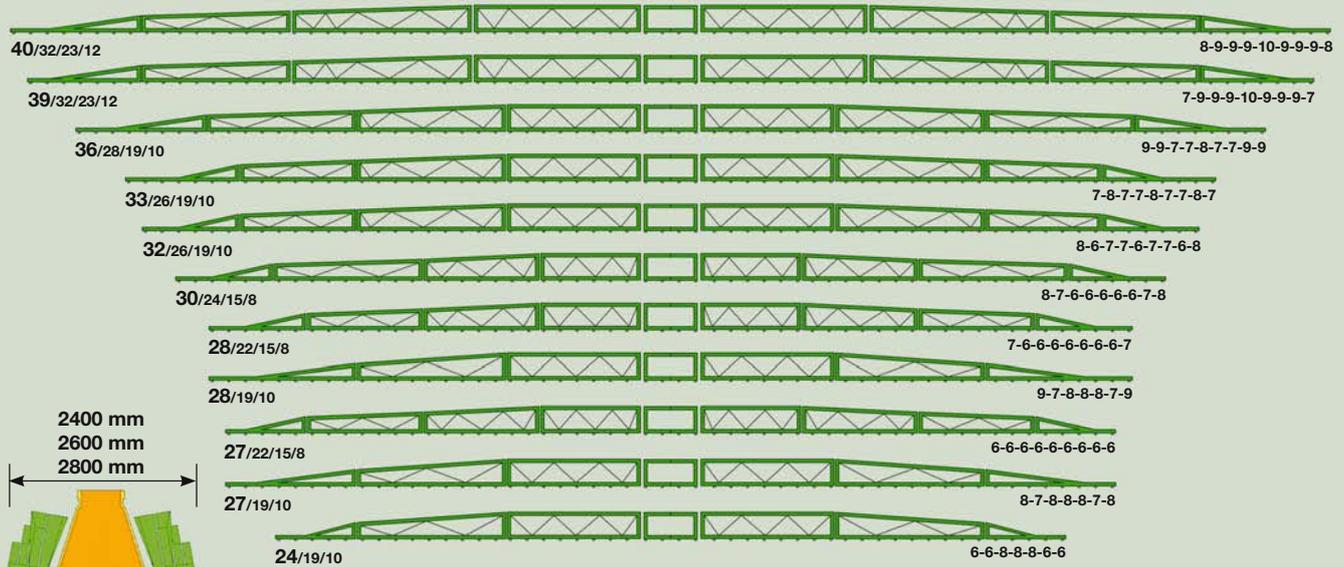
1. an over-long central pendulum for the parallel guidance of larger booms,
2. combined spring and damping elements for shock absorbed suspension to damp down the vertical roll movements,
3. a large dimensioned integrated damping system consisting of brake plates and buffer blocks to damp down horizontal yaw movements and
4. spring plates to damp down movement in direction of travel (only four-fold booms).



# For large acreage outputs!

## Mechanical folding points

## Examples of nozzle layout



## Super-L booms

### Carin Handriek,

LAgricultural Centre Hörstetal e.G., 99880 Mechterstädt

### Views on the AMAZONE-boom

„We are pleased with the output of our record-beating sprayer. Even after 100,000 hectares the joints and the entire boom technology are not suffering in any way from fatigue.“



39 metre Super-L boom

## The sprayer specialist advises...

### ...less drift, even at higher wind speeds

With the air assisted Injector nozzles crop protection agents can be applied with very low drift. They are universally usable in all crops and all situations. Because of the coarse droplet size, these nozzles can also be used at greater wind speeds.

AMAZONE offers for agricultural applications a wide range of nozzles from Lechler, Agrotop and Teejet.

### Single and multi-nozzle bodies

The nozzle bodies, safely located in the boom profile frames, have integrated diaphragm non return valves to prevent dripping of the nozzles. Self-adjusting bayonet fixings ensure a tool-less quick nozzle change. The triple or quad nozzle bodies are better suited for frequent nozzle changes or varying applications and crops.

Nozzle protection tubes, standard on the outer sections or on request over the entire boom width, protect the long injector nozzles and multi-nozzle bodies.



# The right nozzle choice...

## ...the basis for success in crop protection

The long injector nozzles (ID, AI, TTI) have a relatively coarse droplet range and so are very versatile in their operational range. A pressure range of 2 - 8 bar is possible.



Lechler IDN 120-025

If the wetting quality is the key to the application, then it is recommended to use fine droplets, possible with standard or anti-drift nozzles such as XR or AD. Special caution is called for due to the tendency to drift at more than 3 bar.



Teejet XRC 110-025

A good compromise is the modern compact injector nozzles ID-K or Airmix: They suffer from relatively little drift, however with not too coarse a droplet spectrum and can be used from 2 - 4 bar.



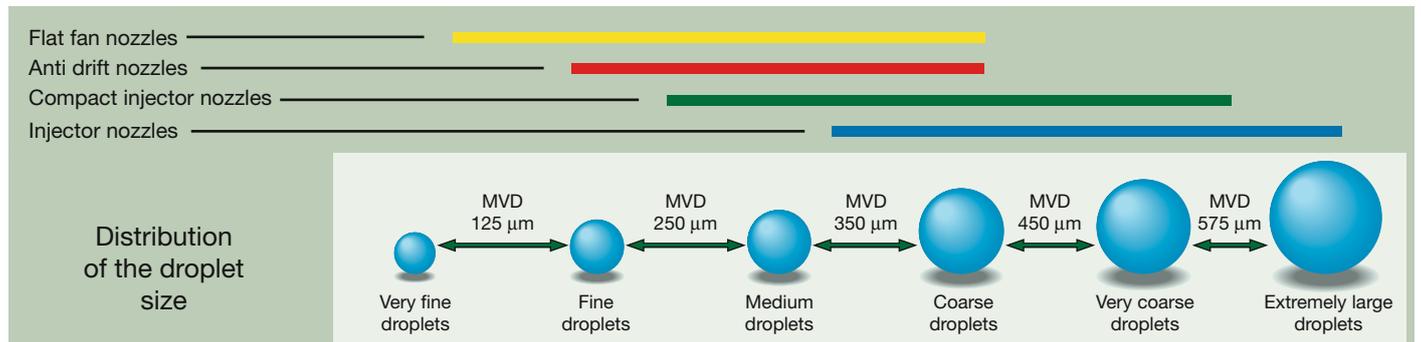
Agrotop Airmix 110-04

When special distribution qualities are required the double flat fan nozzle is a possibility: The new AVI Twin from Agrotop, as a double flat fan injection nozzle, has a relatively not too fine a droplet. The divided spray pattern ensures an even deposit to the front and rear side of the crop and is, for instance at ear treatment, an interesting alternative.

At speeds > 10 km/h, the TD HiSpeed nozzle with asymmetric spraying angle is the latest trend.



The TD HiSpeed nozzle in use



## AMAZONE: The professionals in liquid fertilising – Mature solutions for high outputs

The AMAZONE UX is especially suited for liquid fertilising: the use of high grade plastic material, a good paintwork and the virtually exclusive use of stainless steel ensures a long life even with liquid fertiliser operation.

For coarse droplet distribution of liquid fertiliser, AMAZONE offers multi-hole nozzles (3 or 7 holes) or even FD sluice nozzles.

In conjunction with the Super-S boom a separate drag hose unit is available. The self-contained aluminium profiles can be attached with a few hand clamps.

On request the Super-L boom can be equipped with a second spray line. The staggered nozzle bodies then allow the fitting of drag hoses at a spacing of 25 cm.

Drag hoses offer a risk-free late top dressing with liquid fertiliser and stainless steel weights help keep the position of the drag hoses within the crop.



For successful underleaf spraying of vegetables, AMAZONE has teamed up with the companies Lechler and Syngenta to bring you DroplegUL; lightweight and robust, free-hanging underleaf spraying equipment that is positioned at right angles to the rows.



# Special equipment ...

## ... for every requirement

To double the maximum application rate, the two pumps on the UX Super can be switched in parallel. **The HighFLOW option opens up a new dimension in output.**

It allows large quantities of liquid fertiliser to be applied at higher speeds.

For vegetable growing, spray rates of 2000 l/ha at 5 to 6 km/h are possible.

The large rates are only possible with an additional spray line giving twice the number of nozzles, placed 25 cm apart.



**Electric boundary nozzle switching is available for environmentally friendly application at the edge of the field.**

### Extra nozzles

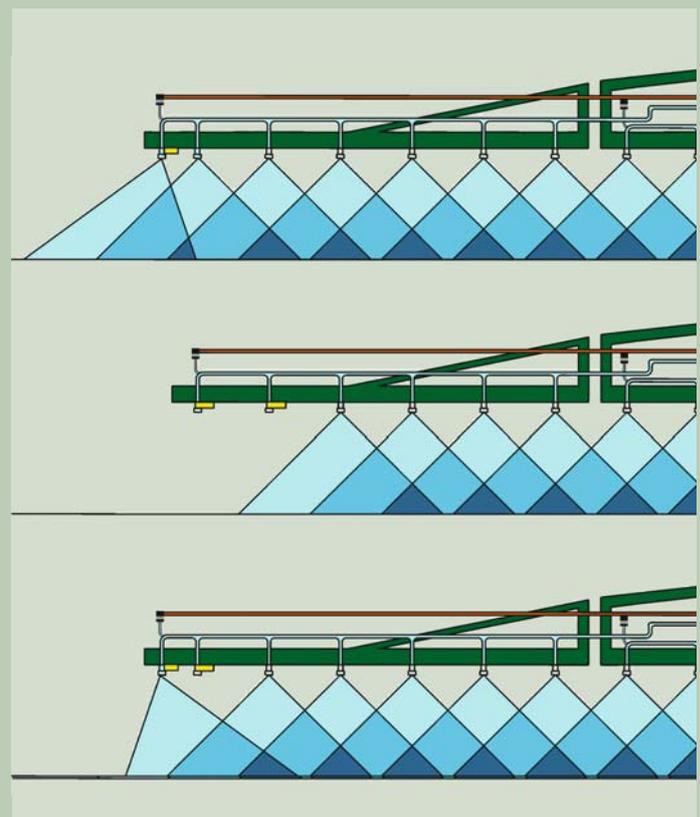
To extend the normal working width, an additional symmetric nozzle can be switched on (such as a Lechler IS noz-zle). This is particularly important if the tramline spacing is not sufficiently precise.

### End nozzles

If buffer zone requirements stipulate that a distance of one metre from the edge of the field must remain unsprayed, end nozzle switching will be useful here.

### Edge nozzles

For a sharply delineated spray area between two sensitive crops, the edge nozzles can limit the spray pattern more precisely.



# Technical data

**UX 3200 Special · UX 3200 Super · UX 4200 Special · UX 4200 Super · UX 5200 Super · UX 6200 Super**

	UX 3200 Special	UX 3200 Super	UX 4200 Special	UX 4200 Super	UX 5200 Super	UX 6200 Super
Actual volume (l)	3,600	3,600	4,600	4,600	5,600	6,600
Fresh water tank (l)	320	320	550	550	550	550
Working width (m)	18-28	18-36	18-28	18-40	18-40	18-40
Height (m)	Super-S boom: 3.25 / Super-L boom: 3.50					3.55
Length (transport) (m)	6.40		6.95			
Transport width (m)	Super-S boom: 2.40 / three-fold Super-L boom: 2.40 / four-fold Super-L boom: 2.60					Super-L + 0.20
Empty weight (kg)	3,000-3,400	3,100-4,000	3,100-4,100	3,100-4,100	3,200-4,200	3,400-4,400
Pump equipment (l/min)	280	430	280	430 or 530	530	530
Max. suction power (l/min)	500	700	500	700 or 800	800	800
Ground clearance	0.78 m (with tyres 340/85 R 48)					
Spraying height	0.5 – 2.5 m (with tyres 340/85 R 48)					
Operational pressure, max. (bar)	< 8	< 10	< 8	< 10	< 10	< 10

All data with tyres 340/85 R 48

Illustrations, descriptions and technical data are not binding!

## The small self-propelled machine!

### UF in combination with front tank FT 1001

Specially for large volume mounted sprayers, the use of a front tank is the obvious solution. On hilly terrain and in small fields the manoeuvrability is excellent. Flow-Control electronics together with the AMATRON<sup>+</sup> ensures an automatic, fill level dependent circulation and emptying.



FT 1001 with UF 1801

## AMAZONE field sprayers generate profit



UF field sprayer, 900, 1200, 1500 and 1800 litres, 12-28 m



UG field sprayer, 2200 – 3000 litres, 15-28 m



SX self-propelled machine, 4000 litres, 24-36 m


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