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## UNIPOINT 4530



# UNIPOINT 4530

GUARANTEED PRODUCTIVITY  
WITH THE BEST JACTO TECHNOLOGY

Self-propelled sprayer with **4,500-LITER  
TANK** and **36-METER BOOMS**

A sprayer that confirms **Jacto's** knowhow  
and pioneering in spraying solutions and  
that increases productivity and economy.



## UNIPOINT 4530 - JACTO PRECISE SOLUTIONS

Three perfectly integrated systems that converge on an intelligent and precise solution to provide quality spraying.



**JSV - JACTO SMART VEHICLE**  
A set of solutions developed for the **Vehicle**.



**JQS - JACTO QUALITY SPRAY**  
A set of solutions developed for **Spraying**.



**OTMIS**  
A set of solutions developed for **Precision Agriculture**.



**JACTO**  
SMART VEHICLE

A set of solutions developed for the vehicle that brings together the most advanced technology applied to self-propelled equipment for spraying.

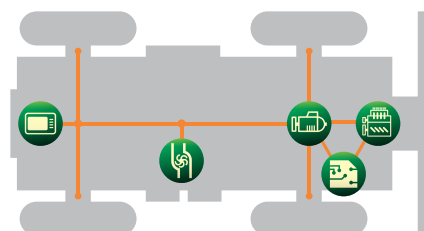


**POWER AND TORQUE AT THE RIGHT AMOUNT**

The technology of who better understands and supplies agricultural engines in the market **integrated with an intelligent transmission** enables the farmer to safely and economically face the most diverse working conditions.

Cummins QSB 6.7 - **243 cv** engine is electronically controlled and adjusted to work at low rotation. **It delivers the highest torque and lowest fuel consumption** yet providing the required power with the most economy.

In compliance with the global standards for air pollutant emissions, it meets **Tier 3** standards and is approved to work with **B20 Biodiesel** (blends of up to 20%).



**STRENGTH AND INTELLIGENCE DISTRIBUTED**

With **intelligent hydrostatic transmission (4x4)** and **independent automatic traction control**, it provides greater traction capacity in different types of soil.

**The final torque is transmitted** to the wheels by **planetary-type reducers**.

It **moves at speeds up to 55 km/h** depending on the road conditions and limited to the spraying areas and internal roads of the farms.



**GUARANTEED COMFORT DURING OPERATION AND SPRAYING QUALITY**

With **independent pneumatic suspension** and **automatic height control valve**, the system seeks to maintain the chassis constantly leveled with the ground bringing **more stability to the booms** and consequently greater spraying quality.



**SAFETY AND EFFICIENCY WITH COMFORT AND DURABILITY**

With **380/90-R46 radial tires** working at low calibration pressure, stability and fluctuation are greater and soil compaction smaller.



**RELIABILITY WHEN BRAKING**

Braking system integrated to the hydrostatic transmission. It prevents the wheels from locking and provides greater safety for the operator.



**FLEXIBILITY AND HIGH STRENGTH FOR MORE MISCELLANEOUS CONDITIONS AND LAND**

With modern design concept, using high-strength material and together riveted without the use of solders, results in a **lightweight chassis and high flexibility to torsion**.



**GREATER AVAILABILITY**

Most joints and joints were designed using up modern bushings and bearings that require the use of greases and lubricants. The location and access to inspection and maintenance items **facilitate operational work and reduce the time stopped equipment**.



**SAFETY**

It meets standard requirements providing **greater safety to the operator and the environment**.



#### DIVERSITY IN CROP SPACING

Track width is hydraulic adjustable from 2.60 up to 3.15 meters. It has excellent transport adaptability in bed trailers and different crop spacing.



#### GREATER VERSATILITY IN TALL CROPS

With the **exclusive adjustable ground clearance**, Uniport 4530 offers **greater versatility** as it increases its availability to treat every crop throughout the entire application season.

Through a simple and **fast system adjustable in two positions**, the equipment ground clearance can be increased to reach a maximum height of 1.75 m.

#### FULL VISIBILITY

The **cab** has an **excellent visibility range** to better visualize the crops and make it easier for the operator to maneuver inside and outside the field plots with total control.



For greater operator comfort along a working day, the seat with **pneumatic cushioning** is **adjustable** and so is the steering wheel column.

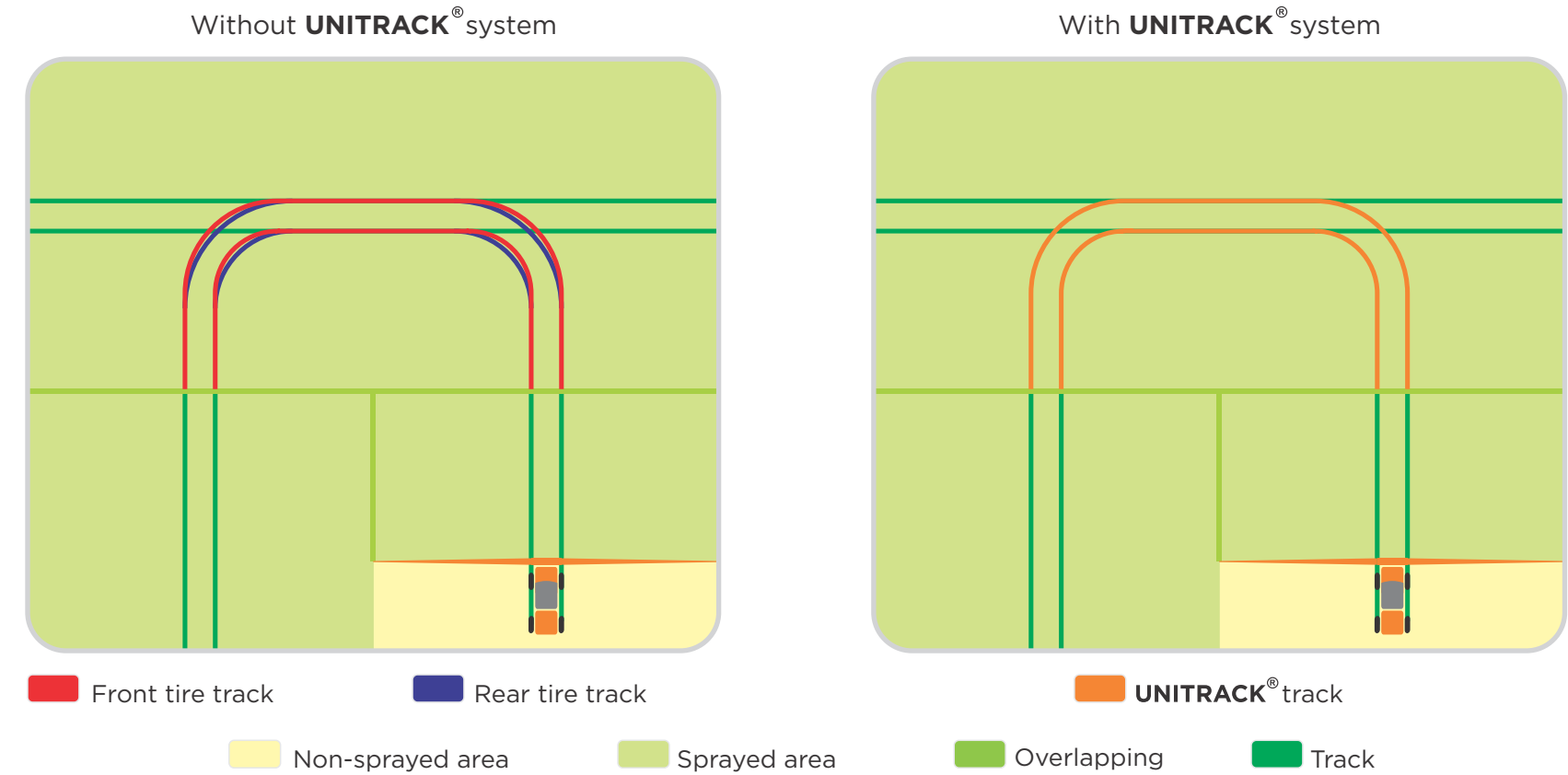
It has **two touch-screen monitors** that concentrate all operations and embedded technologies. Operational agility and practicability are achieved through a **multi-function joystick** that allows controlling the movement of the booms, shut spraying ON or OFF, and activate automatic pilot.

# UNITRACK® NEW STERING SYSTEM

Faster maneuvers and reduction of crop damage.



The new **UNITRACK®** steering system allows **FASTER AND MORE PRECISE MANEUVERS AND SMALLER TURNING RADIUS** and provides more operational productivity. With an innovative solution, the system **REDUCES CROP DAMAGE UP TO 40% WHILE MANEUVEURING**.



### OPERATION MODES



CONVENTIONAL



COORDINATED



CRAB



## JACTO QUALITY SPRAYING

A set of integrated intelligent and innovative solutions developed for the spraying system that provides spraying precision and quality.

## EXPERT IN SPRAYING

**UNIPOINT 4530** spraying system was designed with unique **components and using the expertise of who has understood about spraying for decades. Most components are designed and assembled by Jacto** to ensure the required quality and robustness for the hard work in crops.

## HIGH PRODUCTIVITY AND ECONOMY

With **4,500-LITER TANK AND 36-METER BOOMS, UNIPOINT 4530**, when compared to equipment with 3,000-liter tank and 30-meter booms, **promotes an increase in operational productivity up to 5% and a reduction in crop damage up to 17%.**



### NOZZLES

**4 sets of nozzles** which can be configured according to the different needs of the farmers such as agrochemical type, application volume, speed and weather conditions.



### NOZZLE HOLDERS

It has **quadrijet nozzle-holders** that allow quickly adjusting the application parameters through the different spraying nozzle types minimizing the sprayer downtime and increasing its operational productivity.



### A REVOLUTION IN STABILITY

Integrated solutions between the frame and the booms provide great stability to control the height for any work condition.  
With an active suspension system, the booms have three damping levels that can be selected according to the terrain conditions.



## AVAILABILITY OF USE

The **BOOM WORKING HEIGHT** allows high availability of use in every stage of crop development. **Reaching a maximum height of 2.75 meters**, it has **excellent spraying quality in end-of-cycle applications of crops** such as corn crops.

36 METER BOOMS



JACTO  
QUALITY SPRAY



### PRECISION AND SIMPLICITY

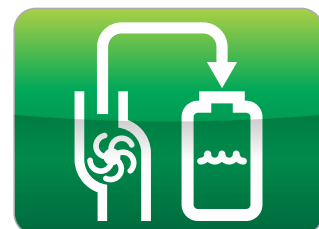
Without a propeller meter and a spraying control, the dosage is controlled directly at the JP 300 pump which starts to work as flow rate meter.

Much faster answers and precision in controlling the dosage deliver high quality to agrochemical applications.



### MECHANICAL AGITATOR

The main tank with capacity of 4,500 liters is equipped with a mechanical agitator and rotation control that promote less foam formation and chemical mixture homogeneity throughout the entire spraying.



### MORE TIME APPLYING , LESS TIME FUELING

Centrifugal pump to fill in the main tank with capacity of up to 800 L/min.



### EASE AND EFFICIENCY

With the recirculating circuit, the agrochemical is pumped from the tank to the spraying booms and returns to the main tank forming a closed circuit.

#### Ease and Precision

With automatic calibration, the flow rate constant is calibrated without being necessary to measure it at the nozzles. This operation is more precise as it considers the actual density of the spraying mixture to be sprayed and not only the water.

#### Speed of Response

The recirculating circuit allows filling the branches completely and promptly with agrochemicals before starting spraying. It provides working pressure in the entire boom and allows high spraying quality at the beginning of the field plots and field borders. It also minimizes pressure variations and spraying failures.

#### Efficient cleaning

The recirculating circuit allows cleaning system much more efficiently as the water used for cleaning circulates through the branches at high speed and pressure.





## SOLUTIONS FOR PRECISION AGRICULTURE

OTMIS is the brand of Jacto technological solutions for products, information and services to improve the precision of operations, manage quality and operational productivity, reduce costs, minimize environmental impact and maximize profit.



**RTX AND RTK SIGNAL CORRECTION**  
GPS signal correction system that improves precision between guidance lines.



**HUMIDITY AND TEMPERATURE SENSOR**  
It monitors the temperature and the air relative humidity. Limit values for alarms can be configured in the display.



**OTMIS TELEMETRY MAPS**  
The only spraying management system via WEB. It allows visualizing maps with different information, better managing operations and speeding the decision making process.



### OTMIS 1200 ASSEMBLY

A complete steering system and spraying control via GPS that has a Lightbar, Automatic Section controller and Hydraulic automatic pilot.



**LIGHTBAR**  
It shows the ideal direction the operator should follow in the crop, records spraying maps, measures areas and it is connected to the automatic section controller and the hydraulic automatic pilot.

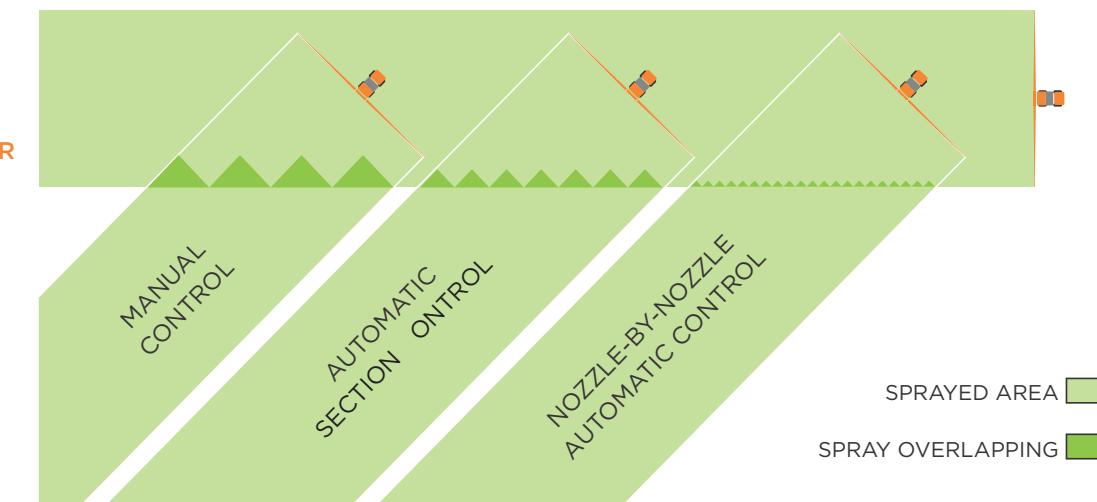


**AUTOMATIC PILOT**  
It steers UNIPORT automatically, helps in the spraying, minimizes failures, overlapping and allows the operator to pay more attention to other equipment functions.



**NOZZLE-BY-NOZZLE AUTOMATIC CONTROLLER**  
Through an innovative system, it activates the nozzles electronically. With height control and nozzle-by-nozzle automatic shut-on/off, it provides spraying precision, great product economy and smaller environmental impact.

### Overlapping reduction with the Nozzle-by-nozzle technology





# UNIPORT 4530

## TECHNICAL SPECIFICATIONS



### SPRAYING

#### BOOMS

Length.....	36 or 42 m
Working Height.....	0.50 to 2.75 m
Spacing.....	35
Nozzle holder.....	Quadrijet
Nozzle.....	4 set that come with the sprayers according to customer's need

#### MAIN TANK

Capacity.....	4.500 Liters
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#### SPRAYING PUMP

Model.....	JP 300
Maximum flow rate.....	300 L/min @ 540rpm



### VEHICLE

#### ENGINE

Model.....	Cummins QSB 6.7 Tier 3
Power.....	243 HP @ 2500 rpm
Fuel.....	Diesel or Biodiesel B20

#### TRANSMISSION

4x4 Hydrostatic with electronic independent traction control

#### SUSPENSION

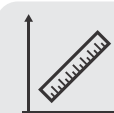
Independent with pneumatic springs and hydraulic shock absorbers

#### TIRES

380/90 R46

#### FUEL TANK

Capacity.....	275 Liters
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### DIMENSIONS/WEIGHT

#### WEIGHT

Empty machine.....	10.500kg
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#### DIMENSIONS

Length.....	8.82m
Maximum width.....	3.20 m
Height.....	3.90 m
Distance between axles.....	4.47 m
Clearance.....	1.55 / 1.75 m
Track width adjustment.....	2.60 to 3.15 m



### OTMIS TECHNOLOGY

#### AVAILABLE TECHNOLOGY

- Lightbar
- Hydraulic automatic pilot
- Nozzle-by-nozzle automatic controller
- Agricultural camera
- Temperature and humidity sensor
- Otmis Telemetry map
- Available signal corrections: RTX / RTK

OBS.: Spraying conditions differ from one region and crop to another which demand different solutions for spraying nozzles, spacing and embedded technologies. Look for a **Jacto** representative to configure your **UNIPORT** according to your needs.