



## UNIPORT 3030



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# UNIPORT 3030

TECNOLOGY WITHIN YOUR REACH

Self-propelled sprayer with **3,000-LITER TANK**  
and **28, 32 or 36-METER BOOMS.**

A sprayer that brings together solutions  
that meet the most demanding farmer's need.





**JACTO PRECISE SOLUTIONS**  
Three perfectly integrated great systems that converge to an intelligent and precise solution to provide quality applications.



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



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



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





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 **MAR-I** 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 65 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

With **16 lubrication points**, almost all joints and gaskets are designed with modern bushings and bearings that do not require the use of grease and lubricants. The location and access to inspection and maintenance **items make operational work easier and reduce equipment downtime**.





JACTO  
SMART VEHICLE

## 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.



### 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 3030 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.

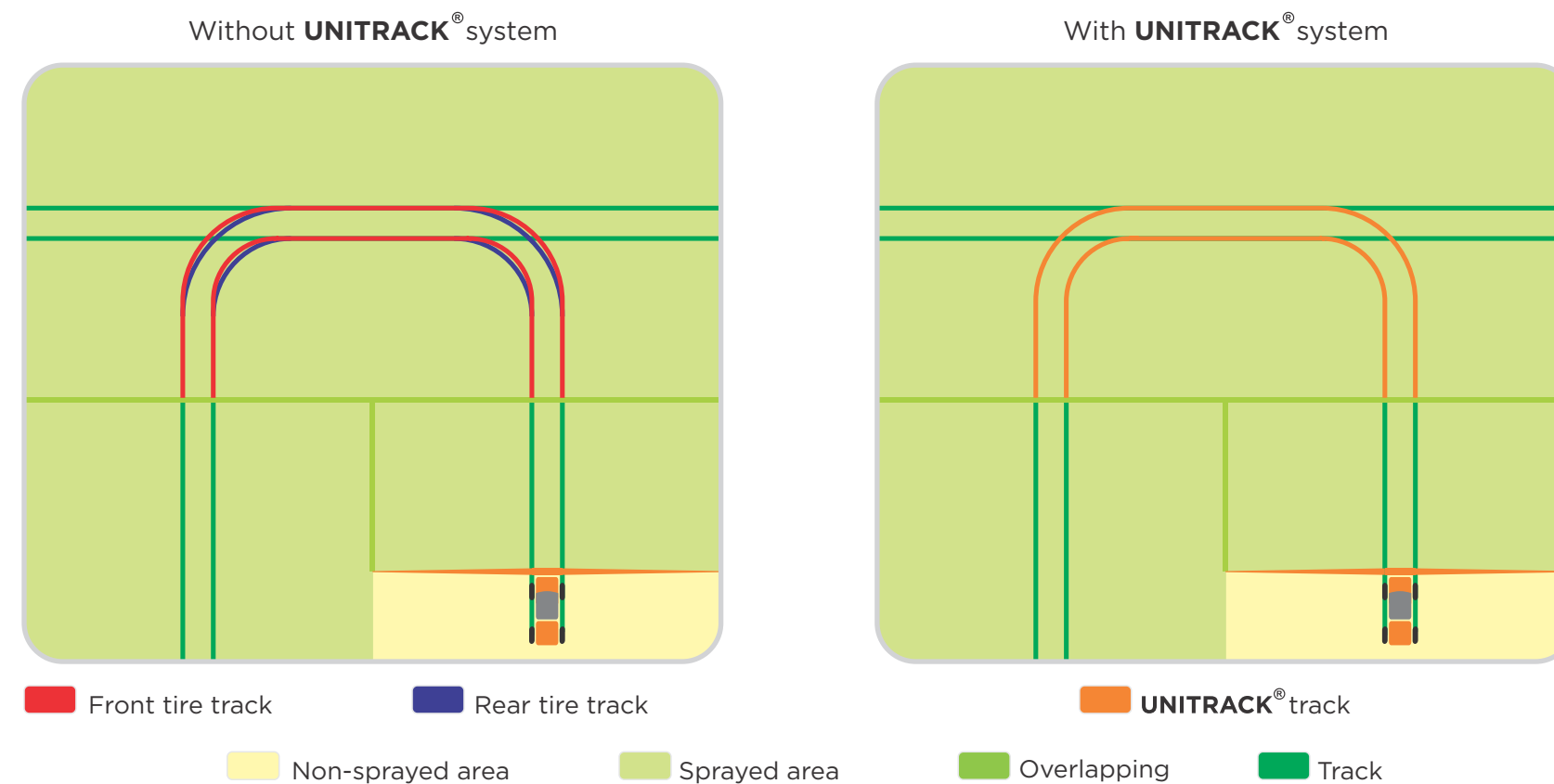


## UNITRACK® NEW STERING SYSTEM

Faster maneuvers and reduction of crop damage.



Uniport 3030 can be equipped with **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

UNIPORT 3030 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.



### 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.



## HIGH PRODUCTIVITY AND ECONOMY

With three sizes of booms available (28, 32 and 36 meters) UNIPORT 3030 **HAS HIGH OPERATIONAL PRODUCTIVITY ALLIED TO THE LOW LEVEL OF CROP DAMAGE.**

WITH **36-METER BOOMS**, UNIPORT 3030, when compared to equipment that have 30-meter booms, **promotes an increase in operational productivity up to 14% and a reduction in crop damage up to 17%.**

## 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 SPRAYING



#### 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 3,000 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 500 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 Jacto's technology solution brand. It was designed to improve Uniport 2030 precision operation, manage application quality and operational productivity. In the end, costs are lower, environmental impact is reduced and profits are higher.



### TerraStar, RTX AND RTK SIGNAL CORRECTION

**GPS signal correction system** that improves precision between passes.



### HUMIDITY AND TEMPERATURE SENSOR

**Temperature and air humidity monitoring.** Limit values for alarms can be configured on the display.



### AUTOMATIC HEIGHT SENSOR

Solution to assist the operator in the control of height of bars for better application efficiency. (available for LB 1200)



### OtmisNET

**The only spray management system via WEB.** It allows viewing maps with different information, better managing operations and speeding decision-making processes.



### OPERATION REPEATER

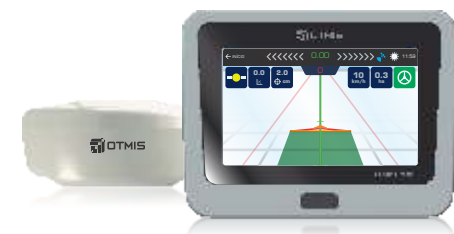
It can **repeat boom height** adjustments made by the operator during spraying.



### VARIABLE RATE APPLICATION

**System allows ranging input application rate** based on prescription maps.

## Omni 700



Complete steering system and spray control via GPS includes lightbar, automatic section controller, automatic pilot and operation repeater.



### 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

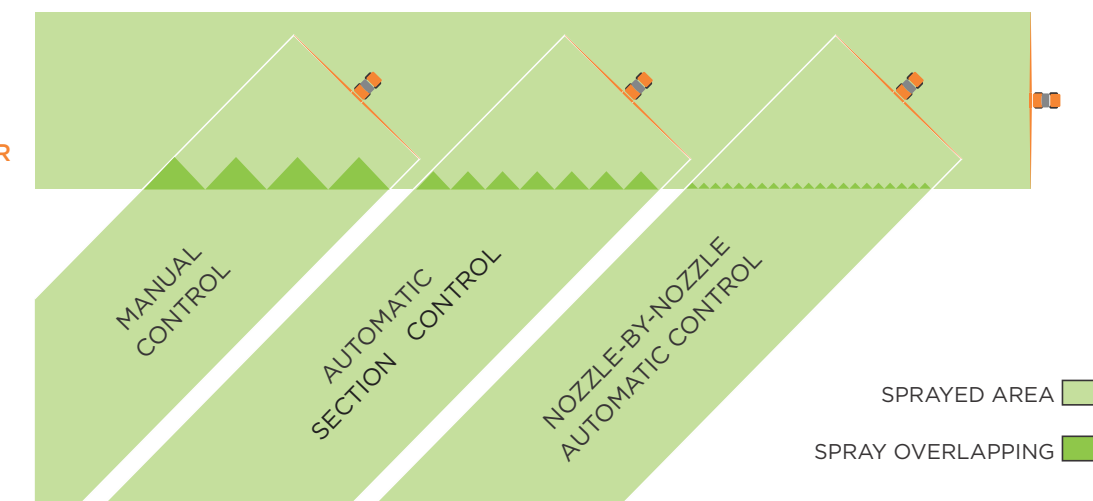
It steers **UNIPORT** automatically, helps in the spraying, **minimizes failures, overlapping** and allows the operator to pay more attention to other equipment functions.



### 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 3030

## TECHNICAL SPECIFICATIONS



### SPRAYING

#### BOOMS

|                     |   |
|---------------------|---|
| Length.....         | 28, 32 or 36 m  |
| Working Height..... | .0.50 to 2.75 m   |
| Spacing.....        | 35 or 50 cm to 28 booms or 32 m                                       |
|                     | 35 cm to booms 36 m   |
| Nozzle holder.....  | Quadrijet   |
| Nozzle.....         | 4 set that come with the<br>sprayers according to<br>customer 's need |

#### MAIN TANK

|               |              |
|---------------|--------------|
| Capacity..... | 3.000 Liters |
|---------------|--------------|

#### SPRAYING PUMP

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



### VEHICLE

#### ENGINE

|            |                         |
|------------|-------------------------|
| Model..... | Cummins QSB 6.7 MAR-I   |
| Power..... | 243 HP @ 2500 rpm       |
| Fuel.....  | Diesel or Biodiesel B20 |

#### TRANSMISSION

4x4 Hydrostatic with electronic independent traction control

#### SUSPENSION

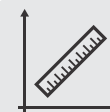
Independent with pneumatic springs and hydraulic shock absorbers

#### TIRES

IF 380/90 R46 (series) - VF 380/90 R46 (optional) - 18,4 x 38" (rice crop)

#### FUEL TANK

|               |  |
|---------------|--|
| Capacity..... | 275 Liters (series)   400 Liters<br>(optional) |
|---------------|--|



### DIMENSIONS/WEIGHT

#### WEIGHT

|                    |                   |                   |                   |
|--------------------|-------------------|-------------------|-------------------|
|                    | <b>Booms 28 m</b> | <b>Booms 32 m</b> | <b>Booms 36 m</b> |
| Empty machine..... | 10.085 kg         | 10.125 kg         | 10.290kg          |

#### DIMENSIONS

|                             |                |
|-----------------------------|----------------|
| Length.....                 | 7.90 m         |
| Maximum width.....          | 3.20 m         |
| Height.....                 | 3.90 m         |
| Distance between axles..... | 3.80 m         |
| Clearance.....              | 1.55 / 1.75 m  |
| Track width adjustment..... | 2.60 to 3.15 m |



### OTMIS TECHNOLOGY

Lightbar: Omni 700 (series) and LB 1200 (optional)

Omni 700 Hydraulic Pilot (Series)

HP 1200 hydraulic pilot (optional)

GPS signal corrections available: Terrastar (Omni 700) and RTX or RTK (HP 1200)

Nozzle-by-nozzle automatic controller

Agis repeater (Omni 700 only)

Temperature and humidity sensor

Variable rate application

OtmisNET(Agricultural Operation Management Solutions)

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.