



## UNIPORT 2530



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# Uniport 2530

## STRENGTH TO FACE ANY CHALLENGE

Self-propelled sprayer with **2,500-LITER TANK** AND **30-METER BOOMS**

The interaction between the intelligent hydrostatic transmission (4x4), 200-cv engine, 11,300-kg weight and the full tanks **allows spraying in up to 30%-tilted terrains.**







# 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**



## 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 4.5 - **200 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.

It 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 40 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

13.6 x 38" radial tires guarantee greater fluctuation and smaller soil compaction.



### 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

The location and access to inspection and maintenance **items make operational work easier and reduce equipment downtime**. It has several **diagnostic tools for the systems** and alarms that make preventive maintenance easier.





## 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 a **fixed ground clearance of 1.60 m**, Uniport 2530 offers **greater versatility** as it increases its availability to treat every crop throughout the entire application season.



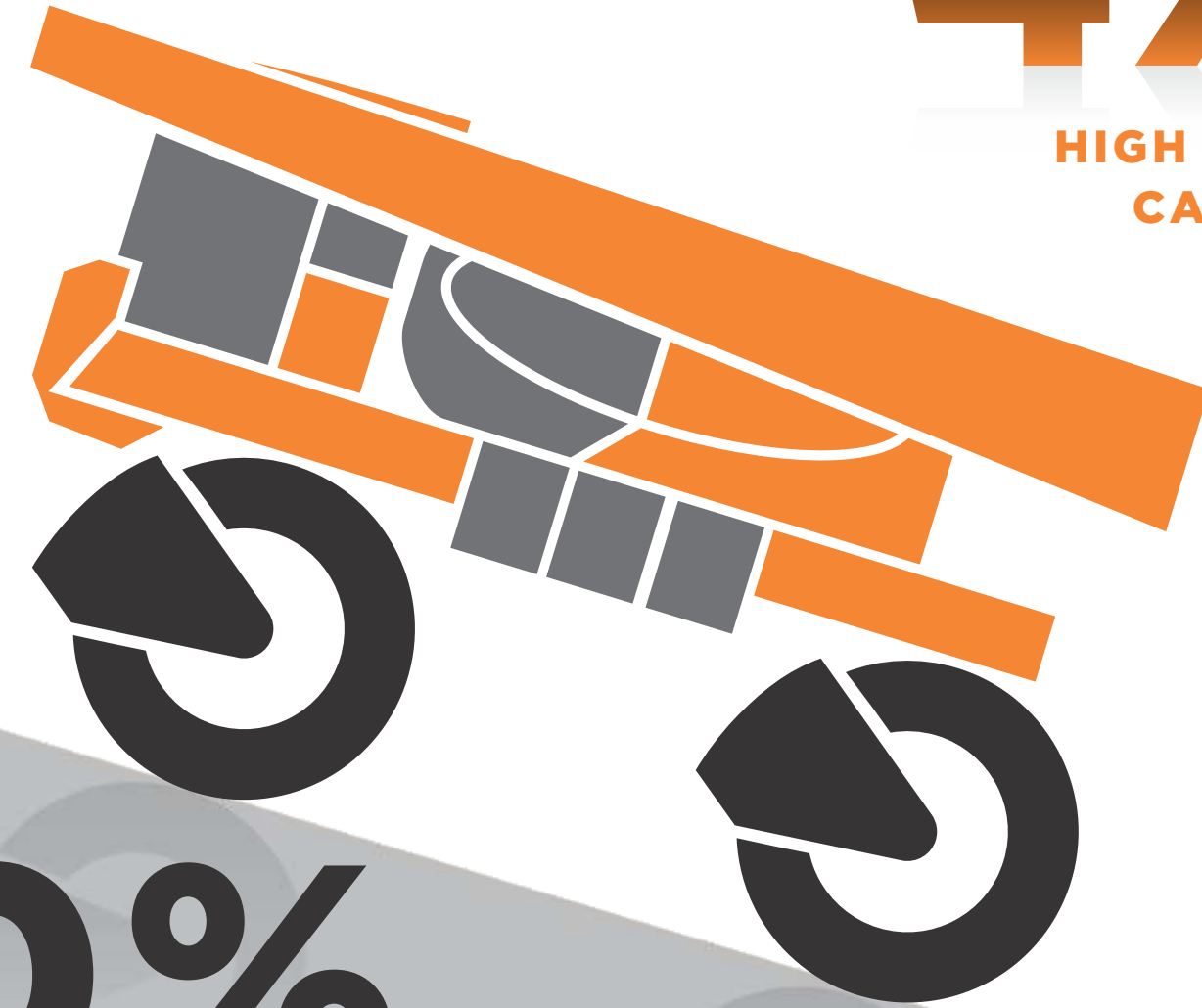
The interaction between the intelligent hydrostatic transmission (4x4), 200-cv engine, 11,300-hg weight and the full tanks allows **spraying in up to 30%-tilted terrains.**

# INTELLIGENT

HYDROSTATIC TRANSMISSION  
AND INDEPENDENT AUTOMATIC  
TRACTION CONTROL

**IT SPRAYS  
IN UP TO TILTED  
TERRAINS**

**30%**



**TRANSMISSION**  
**4x4**  
**HIGH TRACTION  
CAPACITY**

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

## EXPERT IN SPRAYING

UNIPORT 2530 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.



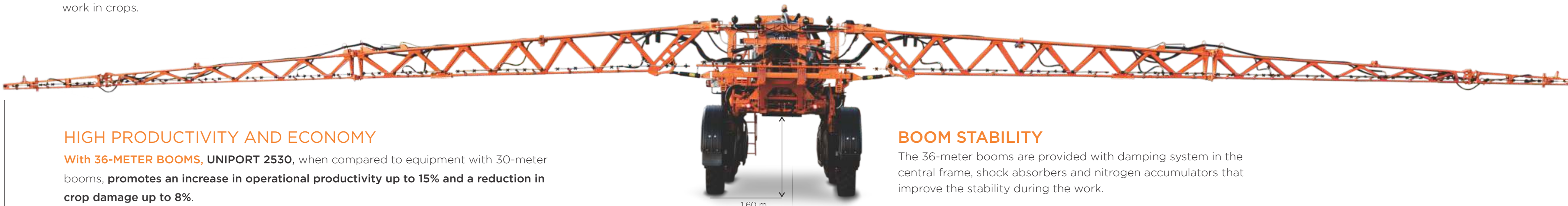
### NOZZLES

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.



## HIGH PRODUCTIVITY AND ECONOMY

With 36-METER BOOMS, UNIPORT 2530, when compared to equipment with 30-meter booms, promotes an increase in operational productivity up to 15% and a reduction in crop damage up to 8%.

## BOOM STABILITY

The 36-meter booms are provided with damping system in the central frame, shock absorbers and nitrogen accumulators that improve the stability during the work.

36 METER BOOMS





SPRAYING PUMP

Much faster answers and precision in controlling the dosage deliver high quality to agrochemical applications.  
JP 150 piston pump with electronic flow rate control and maximum capacity of 190 L/min at 684 rpm.



SPRAYING CONTROL

Equipped with **8-way spraying control**, it provides sensibility and precision in the adjustments **ensuring the proportional flow rate to the working speed** and keeping the same **pressure** at the nozzles regardless of the number of sections working.



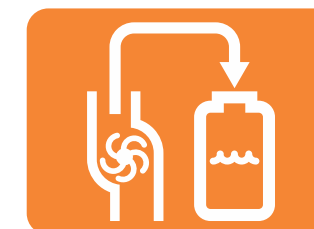
SPRAYING CIRCUIT

**Weld-free branches, quadrijet nozzle-holders and stainless steel fittings** allow spraying chemicals and withstanding pressure values up to 200 psi.



MECHANICAL AGITATOR

The main tank with capacity of 2,500 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

It can be equipped with centrifugal pump to supply the main reservoir with capacity of up to 500 L / min



## 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.



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



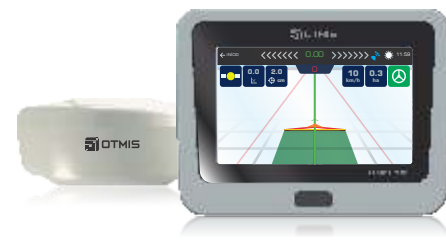
**OtmisNET**  
The only spray management system via WEB. It allows viewing maps with different information, better managing operations and speeding decision-making processes.



**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 operator the ideal direction to follow in the crops, records application maps, measures areas and it is connected to the automatic section controller and the automatic pilot.



**AUTOMÁTIC PILOT**  
It steers Uniport 2030 automatically, assists application, minimizes failures, overlaps and allows the operator to pay more attention to the equipment's other functions.



**AUTOMATIC SECTION CONTROLLER**  
Automatic opening and closing of spray boom sections. It minimizes failures and overlaps, saves inputs and reduces environmental impact.





# Uniport 2530

## TECHNICAL SPECIFICATIONS



### SPRAYING

#### BOOMS

Length.....	30 and 36 meters
Working height.....	0,70 to 2,30 m
Nozzle spacing.....	35 or 50 cm
Nozzle-holders.....	Quadrijet
Nozzles.....	4 sets (quadrijet) supplied with the machine according to customers' needs.

#### MAIN TANK

Capacity.....	2,500 Liters
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#### SPRAY PUMP

Model.....	JP 150
Maximum flow rate.....	190 L/min



### VEHICLE

#### MOTOR

Model.....	Cummins QSB 4.5
Emissions.....	MAR-I
Power.....	198 cv @ 2,200 rpm
Fuel.....	Diesel or Biodiesel B20

#### TRANSMISSIONS

4x4 hydrostatic with control independent electronic traction

#### SUSPENSION

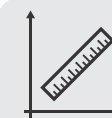
Independent with pneumatic springs and hydraulic shock absorbers

#### TIRES

13.6 x 38" 340/85 R38 - IF 320/90 R-42 - VF 320/90 R42

#### FUEL TANK

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

#### WEIGHT

Empty machine.....	8.615 kg (with booms the 30 meters)
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#### DIMENSIONS

Length.....	8.05 m
Maximum width.....	3.20 m
Height.....	3.95 m
Axle spacing.....	3.80 m
Ground clearance.....	1.60 m
Manual track width adjustment.....	2.60 a 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)
- 8 section auto controller
- Agis repeater (Omni 700 only)
- Temperature and humidity sensor
- Variable rate application
- OtmisNET(Agricultural Operation Management Solutions)

Note: Spray conditions vary from region to region and from crop to crop, and it demand different solutions for spray nozzles, spacing and embedded technology. Contact a **Jacto** representative to configure your **Uniport** according to your needs.