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Uniport 2030



Uniport 2030

THE 4X4 COMPACT SPRAYER FIT FOR ALL CHALLENGES

Self-propelled sprayer featuring a **2,000-LITER TANK**
and **24** or **30 METER BOOMS**.

The **4x4 hydrostatic transmission together with** the 198-cv engine and the lighter weight enable it to work in a wide variety of terrains with quality and high operational productivity.





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**

The Smart vehicle system is a set of solutions developed for the vehicle which gathers the most advanced technology applied to self-propelled equipment for spraying.

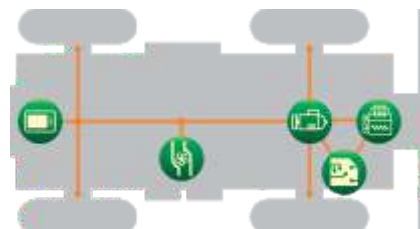


POWER AND TORQUE FOR ANY SITUATION

The technology of two best understands and supplies agricultural engines in the market integrated with a **4x4 hidrostatic transmission** allows farmers to face the most diverse working conditions with safety and savings.

Cummins QSB 4.5 198-cv engine together with the lighter weight give the machine an excellent weight and power relationship.

In compliance with Brazilian emission standards for air pollutants, it meets MAR-I and it is approved to work with B20 Biodiesel (up to 20% in the blend).



DISTRIBUTED STRENGTH AND INTELLIGENCE

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

Final transmission is transmitted to the wheels by planetary gear reducers.

Uniport 2030 travels at speeds up to 40 km/h depending on road conditions and limited to spraying areas and internal farm roads.



GUARANTEED COMFORT DURING OPERATIONS AND QUALITY IN APPLICATIONS

Featuring **independent pneumatic suspension** and **automatic height control valve**, the system seeks constantly to keep the chassis levelled to the ground to provide **greater stability to the booms** and consequently higher application quality.



SAFETY AND EFFICIENCY WITH COMFORT AND DURABILITY

Equipped with tire options that provide a greater stability with less soil compaction.



RELIABLE BRAKING SYSTEM

Braking system integrated to the hydrostatic transmission. It provides greater safety for the operator.



HIGH FLEXIBILITY AND RESISTANCE FOR THE MOST DIVERSE CONDITIONS AND TERRAINS

The use of highly resistant material and welding-free riveted joints results in a light-weight **chassis and high flexibility to torsion**.



GREATER AVAILABILITY

The location and access to inspection and maintenance items **make operational work easier and reduce the time the equipment remains stopped**. It is equipped with several **system diagnostic** tools and alarms that make preventive maintenance easier.



COMPLETE VISIBILITY

The **cab** features **excellent visual range** to better view the crops making it easier for the operator to maneuver inside and outside field plots with total control.

The touch screen monitor concentrates all of the equipment's agriculture precision functions.

The MC 4004 (24-meter booms) or MC 4008 (30-meter booms) spray controller provides faster responses, easier operation and higher precision with 4 (MC 4004) or 8 (MC 4008) sections controlled automatically.

Operational agility and practicality are achieved with the multifunction joystick which allows controlling boom movements, turning spraying on or off and activating the automatic pilot.

DIVERSITY IN CROP SPACING



Track width is manually adjustable from 2.60 up to 3.15 m.
It ensures adaptability for transport in low-bed trailers and for different crop spacings.

HIGHER VERSATILITY IN TALL CROPS



*With a fixed 1.60-meter ground clearance, the machine offers **more versatility** as it broadens its availability to work in tall crops throughout the entire application window.*

The interaction between intelligent **4x4 hydrostatic transmission**, of 198 hp and ideal weight distribution between the axles allows spraying on slopes **up to 30%***

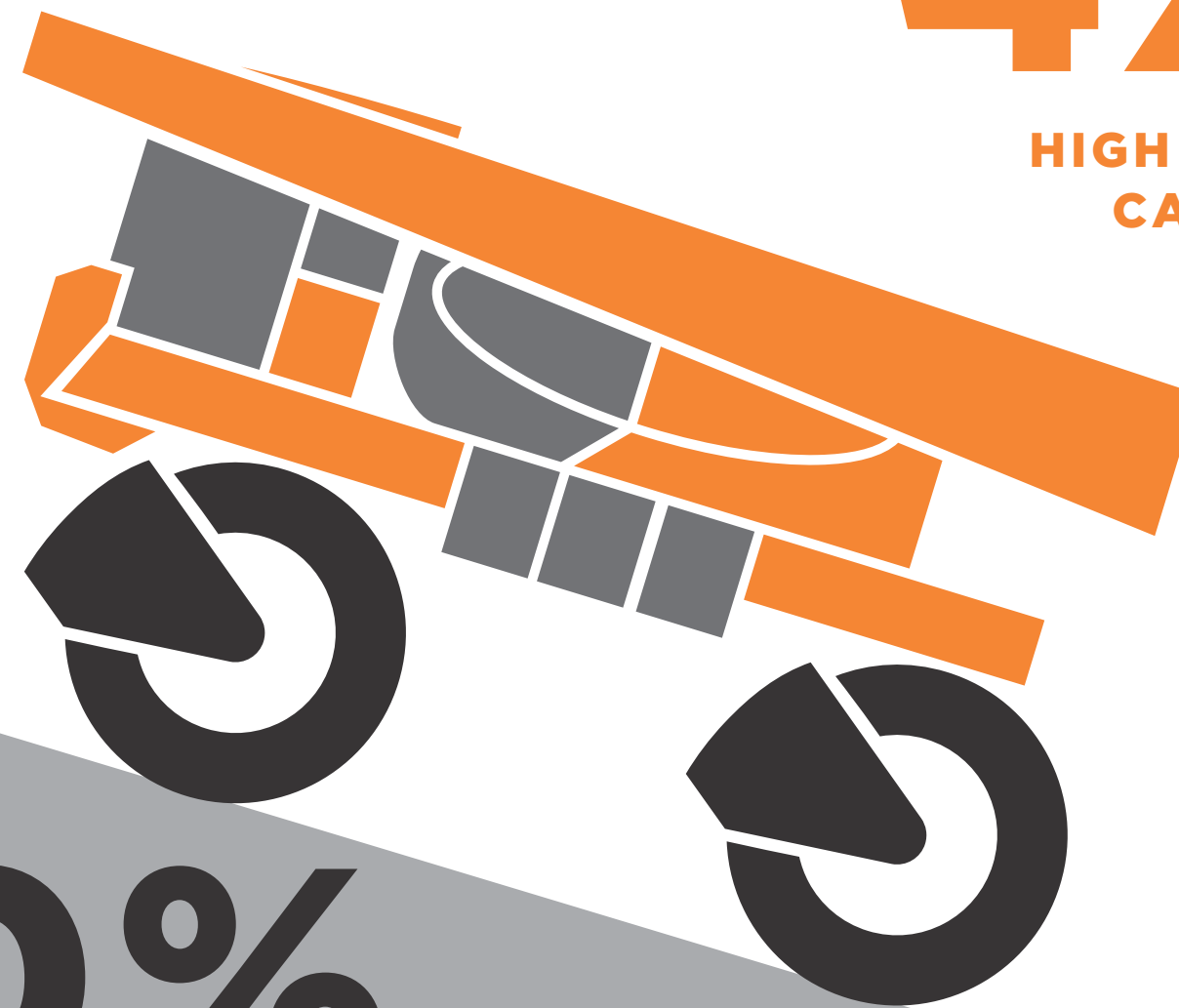
* Ramp capacity may vary according to type of soil, humidity, type of tire, sprayer loading capacity among other factors.

HYDROSTATIC TRANSMISSION

WITH AUTOMATIC
TRACTION CONTROL

**SPRAYS
IN UP TO
TILTED TERRAINS**

30%



TRANSMISSION
4x4
HIGH TRACTION
CAPACITY

It is the set of intelligent and innovative solutions developed for the spray system which are integrated and provide application precision and quality.

EXPERT IN SPRAYING

Uniport 2030 spray system was designed with **exclusive components** and the **full expertise of who has worked with spraying for decades**. Most components are **designed and assembled at Jacto** ensuring the quality and robustness required by the hard work in the fields.

HIGH PRODUCTIVITY AND SAVINGS

With 30-METER BOOMS, **Uniport 2030 increases operational productivity in up to 5% and reduces crop damage in up to 7%** when compared to 28-meter boom equipment.



30-METER BOOMS



NOZZLES

It has 2 or 4 nozzle sets that can be configured according to farmers' different needs such as the type of agrochemical, application volume, speed and weather conditions.



BOOM STABILITY

The 24- and 30-meter booms have a damping system in the central frame with shock absorbers and nitrogen accumulators that improve stability during work.



JACTO
QUALITY SPRAY



SPRAY
PUMP

Uniport 2030 uses the JP 150 piston pump with electronic flow rate control and a 190-L/min maximum capacity. It **provides much faster responses and greater dosage control precision** for better agrochemical application quality.



SPRAY
CONTROL

Equipped **with 4- or 8-way spray control**, it provides sensitivity and adjustment precision ensuring **flow rate** is **proportional to the work speed** and keeping the same **pressure** in the nozzles regardless of the number of segments working.



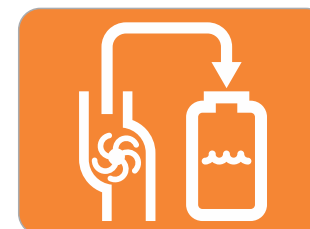
SPRAY
CIRCUIT

Weld-free branches, bijet nozzles and stainless-steel connections that allow agrochemical application and withstand up to 200 psi of working pressure.



MECHANICAL
AGITATOR

The main tank with 2,000-liter capacity is equipped with a **mechanical agitator featuring rotation control** that provides **less foam formation and more homogeneous chemical solution from beginning to end of the application.**



MORE TIME APPLYING
AND LESS TIME
FILLING UP

It can be equipped with a centrifugal pump to fill the main tank with capacity 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 SIGNAL CORRECTION
GPS signal correction system that improves precision between passes.



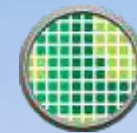
HUMIDITY AND TEMPERATURE SENSOR
Temperature and air humidity monitoring. Limit values for alarms can be configured on the display.



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.



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.

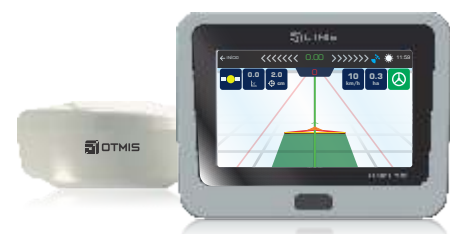


AUTOMÁTIC PILOT
It steers Uniport 2030 automatically, assists application, minimizes failures, overlaps and allows the operator to pay more attention to the equipment's other functions.



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

Omni 700



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



Uniport 2030

TECHNICAL SPECIFICATIONS



SPRAYING

BOOMS

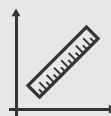
Length.....	24 and 30 meters
Working height.....	0,70 to 2,30 m
Nozzle spacing.....	35 or 50 cm
Nozzle-holders	bijet (standard) quadrijet (opcional item)
Nozzles.....	2 sets (bijet) or 4 sets (quadrijet) supplied with the machine according to customers' needs.

MAIN TANK

Capacity	2,000 Liters
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SPRAY PUMP

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



DIMENSIONS / WEIGHT

WEIGHT

Empty machine.....	7,580 kg (with booms the 24 meters)
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DIMENSIONS

Length.....	7.90 m
Maximun width	3.20 m
Heght.....	3.95 m
Axle spacing.....	3.80 m
Ground clearance.....	1.60 m
Manual track width adjustment	2.60 a 3.15 m



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
automatic traction control

SUSPENSION

Independent with pneumatic springs
and hydraulic shock absorbers

TIRES

13.6 x 38" (standard) - 340/85 R38 (optional item)

FUEL TANK

Capacity.....	275 Liters
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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)
4 or 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.