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## Uniport 2030



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# 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**.



## JACTO SMART VEHICLE

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 hydrostatic 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 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.



JACTO  
SMART VEHICLE



## COMPLETE VISIBILITY

The cab features **excellent visibility** to better view the crops making it easier for the operator to manoeuvre 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 boom) 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 3.1 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.

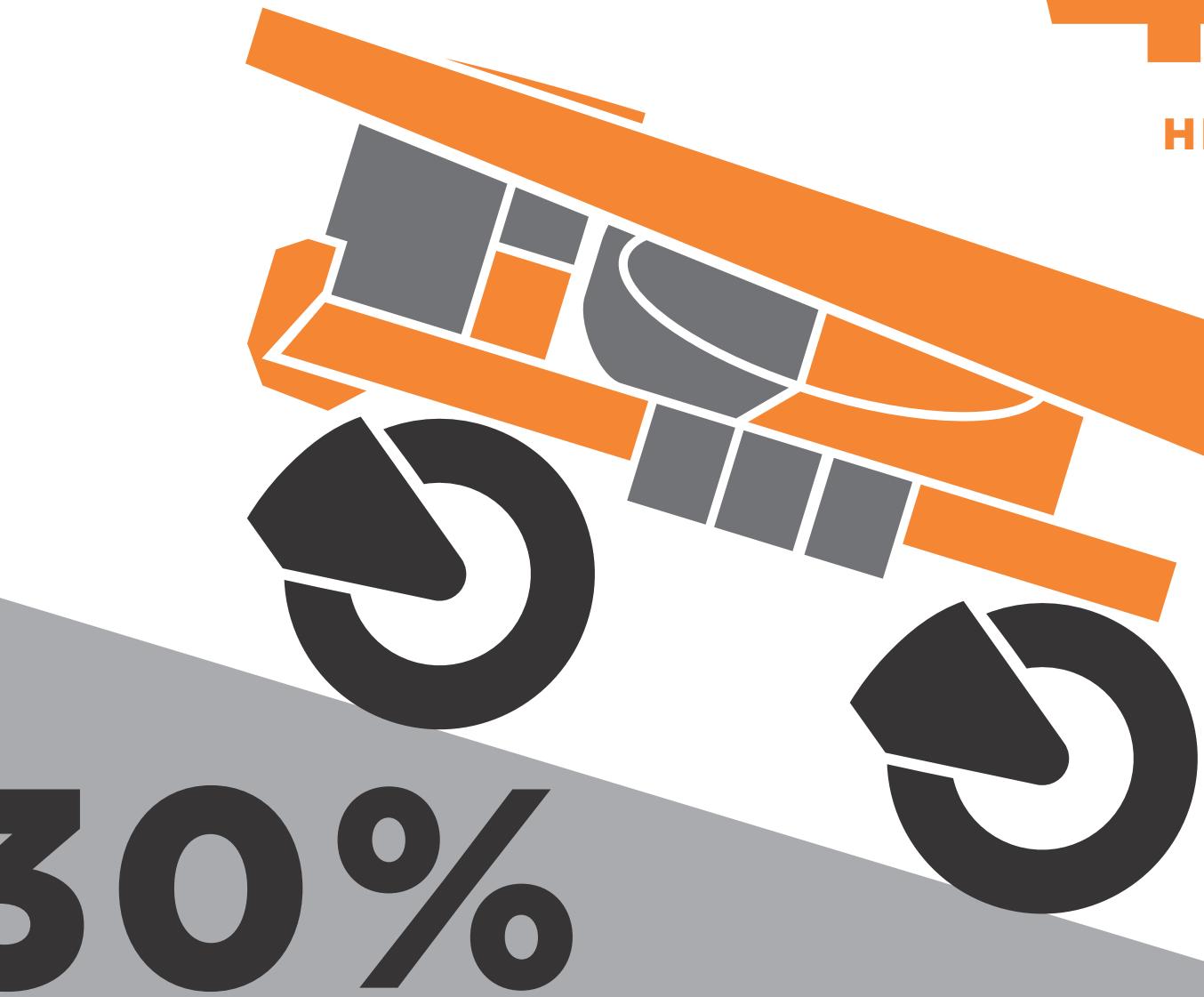
# HYDROSTATIC TRANSMISSION

## WITH AUTOMATIC TRACTION CONTROL

SPRAYS  
IN UP TO  
TILTED TERRAINS

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.



TRANSMISSION  
**4x4**  
HIGH TRACTION  
CAPACITY



## JACTO QUALITY SPRAY

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



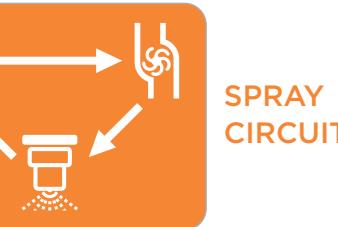
#### SPRAY PUMP

**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.



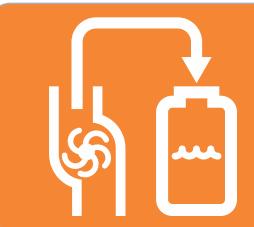
#### SPRAY CIRCUIT

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

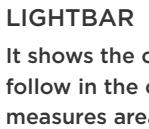
**OTMIS** is Jacto's technology solution brand. It was designed to improve Uniport 2030 precision operation, manage application quality and operational productivity. In the end, costs are lower, environmental impact is reduced and profits are higher.



### 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

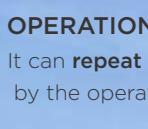
Automatic opening and closing of spray boom sections. It minimizes failures and overlaps, saves inputs and reduces environmental impact.



**TerraStar SIGNAL CORRECTION**  
GPS signal correction system that improves precision between passes.



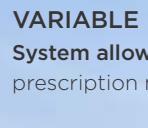
**HUMIDITY AND TEMPERATURE SENSOR**  
Temperature and air humidity monitoring. Limit values or alarms can be configured on the display.



**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.

# TECHNICAL SPECIFICATIONS



## Uniport 2030



### 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
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



### VEHICLE

#### MOTOR

Model	Cummins QSB4.5
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	25 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 RTK or RTK H 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.