



### TECHNOLOGY FOR HIGH YIELD





Always a differential



### About TMA Máquinas

In 2025, Tracan Group accounts for **over 700 employees** and **thousands of customers worldwide.** And TMA Máquinas is part of this family.

Founded in **2007**, it produces equipment for sugarcane **tillage and haulage**, **grain** production chains, **planted forests**, **coffee and orange**, **besides power generators.** In 2020, it incorporated the DRIA brand, known nationwide for small farming implements such as furrowers, coverers, cultivators, and others, **considerably expanding its product portfolio.** 

Currently, TMA Máquinas is a **global reference**, with products that are in tune with the era of technology and connectivity in agribusiness, exporting to all continents.

If you are looking for **robustness, technology, and high performance,** then you are very welcome: you have just found the perfect partner for your business.



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### SELF-PROPELLED AGRICULTURAL WAGON STARK \_\_\_\_\_\_ 47

## SUGAR CANE LINE



Implement used to cover the sugar cane stalks in the planting rows, with 2 rows working simultaneously. Defensive application in the furrow prior to covering. It has a set of concave discs with adjustable spacing and working angle. It also has compaction rollers for better contact between the soil and the stalks, avoiding air pockets and helping the efficient growth of the sugar cane.

SPACING	900 to 1.100 mm	
NUMBER OF ROWS	2 or 3	
COVER DISCS DIAMETER	18"	
COMPACTION ROLLERS	2 or 3	
CYLINDRICAL POLYETHYLENE TANK	410 L	
TOTAL HEIGHT	1.650 mm	
TOTAL WIDTH	2.000 mm	
TOTAL LENGTH	2Rows = 2.650 mm & 3Rows = 3.000 mm	
MINIMUM POWER	75 hp	
WEIGHT	950 kg (2 rows) & 965 Kg (3 rows)	
COUPLING	3 Point Coupling	
DRIVE SYSTEM	Mechanical	
CHASSI	3x3	



### SUGAR CANE LINE STRAW RAKE EQUIPMENT

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This implement removes the straw from the raw sugar cane, which has been harvested mechanically from the rows, with the objective of favoring the sprouting of the ratoons (roots) and avoiding pests that come from the straw. It works with 4 lines of 1.5m simultaneously, with adjustable arms and working height.

TECHN	ICAL SPECIFICATIONS
SPACING	1,5 m
NUMBER OF ROWS	3 or 4
NUMBER OF RAKE WHEELS	8
NUMBER OF TINES PER WHEEL	36
RAKE WHEEL DIAMETER	40"
HEIGHT	1,2 m
WIDTH	2,35 m
LENGHT	5,2 m
MINIMUM POWER	50 hp
APPROXIMATE WEIGHT	750 kg



### SUGAR CANE LINE RIDGER AND FERTILIZER SPREADER (2 OR 3 ROWS)



Implement for furrow opening and simultaneous fertilizing in the sugar cane rows. It has fertilizer spreaders options, with fertilizer deposit capacities of 1250 kg (Single Box) or 720 kg (02 individual 360 kg boxes). It is also available (only for furrowers with individual boxes) an additional third 360 Kg fertilizer spreader with independent system, for incorporation of another product other than the conventional fertilizer. Tool holder bar 6x4 and hoe-type furrower rods, with automatic disarming.

#### TECHNICAL SPECIFICATIONS (2 ROWS / 3 ROWS)

SPACING	2 Rows 1.100 to 1.500 mm / 3 Rows 900 to 1.100m
NUMBER OF ROWS	2 or 3
WORKING DEPTH	2 and 3 Rows: 400 mm
FERTILIZER SPREADER	2 Rows: 1X 1.250 kg or 2X 360 kg / 3 Rows: 3X 360 kg
FURROWER RODS	2 Rows: 2 x Hoe-type auto disarming / 3 Rows: 3 x Hoe-type auto disarming
TOTAL HEIGHT	2 and 3 Rows: 2.100 mm
TOTAL WIDTH	2 and 3 Rows: 2.000 mm
TOTAL LENGHT	2 Rows: 2.500 mm / 3 Rows: 2.800 mm
MINIMUM POWER	2 Rows: 100 hp / 3 Rows: 130 hp
APPROXIMATE WEIGHT	2 Rows: 1.250 kg / 3 Rows: 1.400 kg
COUPLING	3 Point coupling
DRIVE SYSTEM	Hydraulic
CHASSI	6X4

### **OPTIONALS:**

- 360 kg Extra Fertilizer spreader with Independent system (available only for 360 Kg Individual Box Furrower).
- KIT 2 boxes 360 kg (2 Rows).
- KIT 2 boxes 360 kg with furrow marker (2 Rows).
- KIT 1 box 1.250 kg (2 Rows).
- KIT 3 boxes 360 kg (3 Rows).
- KIT 3 boxes 360 kg with furrow marker (3 Rows).





# SUGAR CANE LINE



This equipment was developed to apply fertilizer in the rows of sugarcane ratoon, aimed at controlling pests. Ratoon cutting is mainly carried out in sugarcane fields, which have a high incidence of soil pests and increases efficiency in managing them. Equipped with a 6x4 double toolbar, the implement works with 3 rows simultaneously. It features a disc for cutting straw and applying the crop protection product beneath the soil. The implement offers the optional 70/30 KIT, which allows simultaneous application of the product both below and on the soil surface, with independent adjustment. Another optional accessory includes the row cleaner arms attached to the rear of the implement directly on the toolbar for cleaning the sugarcane ratoon.

#### **TECHNICAL SPECIFICATIONS**

SPACING			1.000 to 1.500 mm
NUMBER OF ROWS			3
FURROWER RODS			3
SPRING-LOADED CUT OFF WHEELS DIA	METER		26"
CYLINDRICAL POLYETHYLENE TANK			600 L
TOTAL HEIGHT			2.250 mm
TOTAL WIDTH			1.250 mm
TOTAL LENGHT			3.400 mm
WORKING DEPTH	12.5	12 B	50 to 100 mm
MINIMUM POWER			110 hp
APPROXIMATE WEIGHT			1.100 kg
COUPLING			3 point coupling
DRIVING SYSTEM			Hydraulic
DOUBLE CHASSIS			6 x 4
EXTENSION PIECE			Standard

### **OPTIONALS:**

- Kit-70/30: it applies the product under the ground and superficially at the same time with independent regulation.
   Remover: Scraper arms attached at the rear directly on the tool
- holder bar for cleaning the rations.
- NOTE: the options must be worked alternately.



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### SUGAR CANE LINE DISC FERTILIZER APPLICATOR



It carries out the fertilization of sugarcane stalks, mainly when harvested raw and mechanically. It has four applicator sets composed of one 26-inch straw cutting disc, two 18-inch mismatched flat discs with a deep fertilizer applicator, and two rubber wheels that close the straw cutting.

#### **TECHNICAL SPECIFICATIONS**

SPACING OF CENTRAL DISC SETS	495 to 675 mm
FURROWER RODS	4
SPRING-LOADED CUT OFF WHEELS DIAMETER	26
NUMBER OF TANKS	1
TANK CAPACITY (SINGLE)	1.250 kg
TOTAL HEIGHT	2.200 mm
TOTAL LENGHT	2.900 mm
TOTAL WIDTH	2.200 mm
WORKING DEPTH	80 to 120 mm
MINIMUM POWER	140 hp
COUPLING	Hydraulic
APPROXIMATE WEIGHT	1.450 kg
CHASSI	6 x 4

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### SUGAR CANE LINE LAND LEVELLING MACHINE

### Land Levelling Machine:

Implement for cultivation and leveling of the plant cane along with fertilizer application. Composed of 6 scraper nozzles, 2 oscillating harrow-type sets with 8 cut disks each, 2 rear levelers for incorporating the fertilizer through 2 polyethylene fertilizers of 360 L each, driven by a hydraulic system. The implement carries out a scarification process that promotes the leveling of the soil between the rows of plant cane and applies the fertilizer incorporated into the soil. It is possible to add an independent 300 L tank for applying insecticide simultaneously on the soil, by acquiring the optional kit.

### Land Levelling Machine with Applicator:

Implement for plant or ratoon cane cultivation along with the application of herbicides between the rows. Composed of 6 scraper nozzles, 2 oscillating harrow-type sets with 8 cut disks each, 2 rear levelers and herbicide applicator set with 600 L tank through a polyethylene cylindrical tank. Hydraulic drive with piston pump 40L/min for fan spray. The implement carries out a scarification on the soil surface and cultivates it, leaving the soil crushed and leveled, followed by application of insecticide.

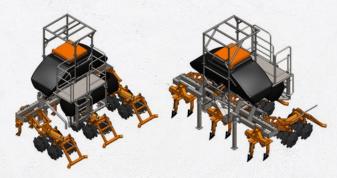
#### TECHNICAL SPECIFICATIONS

NUMBER OF SCRAPER NOZZLES	3 per row
SPACING	1.400 to 1.600 mm
POLYETHYLENE DEFENSIVE TANK	310 L
FERTILIZER TANK	02 x 360 kg
NUMBER OF CUT DISCS	16
CUT DISCS DIAMETER	18″
TOTAL HEIGHT	1.900 mm
TOTAL WIDTH	2.450 mm
TOTAL LENGHT	3.100 mm
SUGGESTED MINIMUM POWER	160 hp
COUPLING	Hydraulic
APPROXIMATE WEIGHT	1.800 kg
CHASSI	6 x 4



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### SUGAR CANE LINE THREE-ROW LAND LEVELLING MACHINE



The TMA Land Levelling Machine and Fertilizer Applicator is designed to level the inter-row areas where ridges are formed during sugarcane planting. It breaks down the ridges, crushes clods, and moves soil toward the base of the tillering plants. This multi-purpose implement is equipped with a 600-liter tank featuring a thermally insulated spray solution system. It can be used to apply biological inputs directly to the growing cane or to use herbicides between the rows, preventing weeds from competing with the plant's growth. It is equipped with a fertilizer spreader with a capacity of 1,250kg, guaranteeing a better yield per hectare.

### TECHNICAL SPECIFICATIONS

SPACING	1.500 mm
NUMBER OF ROWS	2
NUMBER OF INTER-ROWS	3
COVERING DISC DIAMETER	18″
LEVELERS	3
CYLINDRICAL POLYETHYLENE TANK	1250 kg
TOTAL HEIGHT	3.350 mm
TOTAL WIDTH	2.800 mm
TOTAL LENGTH	3.800 mm
MINIMUM REQUIRED POWER	140 hp
APPROXIMATE WEIGHT	3.350 kg
COUPLING	3 point
DRIVE SYSTEM	Hydraulic
SPRAY PUMP	Diaphragm



# RATOON INSECTICIDE



This equipment was developed to apply fertilizer in the rows of sugarcane ratoon, aimed at controlling pests. Ratoon cutting is mainly carried out in sugarcane fields, which have a high incidence of soil pests, and increases efficiency in managing them. Equipped with a 6x4 toolbar, the implement works with 3 rows simultaneously. It has discs for straw cutting and a device for injecting crop protection products beneath the soil.

#### **TECHNICAL SPECIFICATIONS**

SPAC	NG			1000 to 1500 mm
NUM	BER OF ROWS			3 or 4
NUM	BER OF CUT DISCS			3 or 4
SPRIN	IG-LOADED CUT OFF WHEELS DIAI	METER		26″
CYLIN	IDRICAL POLYETHYLENE TANK			600 L
тота	L WIDTH			2.250 mm
тота	L HEIGHT			1.250 mm
тота	L LENGHT			2.900 mm
WOR	KING DEPTH	12.5.	10	50 a 100 mm
MINI	MUM POWER			90 hp
APPR	OX WEIGHT			780 kg
COUP	LING DRIVE			3 Points
SYSTE	M			Hydraulic
SIMP	LE CHASSIS			6 x 4
EXTER	NSION PIECE			Standard

### SUGAR CANE LINE ULTRA 507 BURNT CANE CULTIVATOR



A versatile, multi-action implement for subsoiling, fertilizing, and cultivating sugarcane cultivation. It has discs for cutting straw, a subsoiling rod and an incorporating harrow. The implement also acts as a furrower/fertilizer, removing the harrow kit and screwing the handles on the rods that come with the equipment.

#### TECHNICAL SPECIFICATIONS

SPACING	1.300 to 1.500 mm (2 rows) 900 to 1.100 mm (3 rows)
NUMBER OF ROWS	2 or 3
NUMBER OF DISCS	8 (2 rows) or 12 (3 rows)
CUT DISCS DIAMETER	18" 1/18"
WORKING DEPTH	150 to 250 mm
CONCAVE CUT-OUT DISC HARROV	<b>V SET</b> 5 × Ø18"
FERTILIZER TANK	360 kg or optional of 1.250 kg
TOTAL HEIGHT	1.650 mm
TOTAL WIDTH	2.050 mm
TOTAL LENGHT	3.200 mm
MINIMUM POWER	85 hp (2 rows) or 100 hp (3 rows)
APPROXIMATE WEIGHT	1.300 kg
COUPLING	3 Points coupling
DRIVE SYSTEM	Hydraulic
CHASSI	6 x 4

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### SUGAR CANE LINE HARD DOUBLE ACTION CULTIVATOR



A versatile multi-action implement for subsoiling, fertilizing, and cultivating sugarcane cultivations. It has discs for cutting straw, a subsoiling rod, covering discs with working angle adjustment, and a crushing roller. The implement also acts as a furrower/fertilizer.

SPACING	1.500 mm
NUMBER OF ROWS	2
WORKING DEPTH	150 to 250 mm
FERTILIZER TANK	360 kg or optional of 1.250 kg
TOTAL HEIGHT	1.650 mm
TOTAL WIDTH	2.050 mm
TOTAL LENGHT	2.600 mm
MINIMUM POWER	130 hp
APPROXIMATE WEIGHT	1.900 kg
COUPLING	3 Points
DRIVE SYSTEM	Hydraulic
CHASSI	6 x 4



### SUGAR CANE LINE 2 OR 3 ROWS HARROW CULTIVATOR

Harrow-type cultivator, with 2 or 3 rows, designed to level the soil between the rows of sugarcane plants, leaving the area prepared for mechanized harvesting.

#### **TECHNICAL SPECIFICATIONS**

HARROW TYPE CULTIVATOR 2 OR 3 ROWS, WITH 16 OR 24 18" DISCS IN 4 OR 6 SECTIONS OF 4 DISCS EACH WITH OIL-COATED BEARINGS

MINIMUM POWER	2 rows: 75 hp / 3 rows: 85 hp
COUPLING	Hydraulic
APPROXIMATE WEIGHT	2 rows: 480 kg / 3 rows: 648 kg
WIDTH	950 mm
HEIGHT	1.260 mm
LENGHT	2.900 mm

## DRIATON 1600 LBDM AND 1600 LBDH

Compact Series Equipment designed for shredding pruning leftovers, and cleaning land in different cultures, mainly coffee. The header offset is available in manual and hydraulic.

1.570 mm
65 HP
540 RPM
550 kg
Squeeze cone
4
12
Oil-coated
2.260 RPM
250 mm Mechanical
250 mm Hydraulic
80 mm
Leveling Axle
0 to 150 mm
1,90 kg



# DRIATON DM 1600



\*Illustrative purposes only

Powerful equipment, suitable for shredding pruning leftovers, and cleaning land in different cultures, especially coffee. The header offset is available in manual and hydraulic.

Height adjustment via side skid shoes.

	1.570 mm
	0 to 150 mm
	Mechanical – 250 mm
	10
	140 mm
	1.850 RPM
12.	Gel 🤌 Oil
	5B
	Cardan at 540 RPM
	75 hp
	1,85 m
	590 kg



# DRIATON DH 1600



Powerful equipment, suitable for shredding pruning leftovers, and cleaning land in different cultures, especially coffee. The header offset is available in manual and hydraulic.

Height adjustment via side skid shoes.

CUTTING WIDTH	1.570 mm
CUTTING HEIGHT	0 to 150 mm
DISPLACEMENT	Hydraulic – 300 mm
NUMBER OF HAMMERS	10
MAXIMUM SCHREDDING DIMATER	140 mm
ROTOR AXLE SPIN	1.850 RPM
TRANSMISSION	oil
BELTS	5B
DRIVE SYSTEM	Cardan at 540 RPM + Hydraulic for Cylinder Displacement
MINIMUM POWER	75 hp
TOTAL WIDTH	1,85 m
APPROXIMATE WEIGHT	650 kg





# FERTMAX DCA 5.8



Equipment for distributing limestone and dry organic fertilizer, hydraulically driven, with belt system and centrifugal distribution. Easy coupling and tandem axle for stability on uneven ground.

TECHNICAL SPECIFI	CATIONS
LOAD VOLUME CAPACITY	2,6 m³
LOAD CAPACITY	5.800 kg
CONVEYOR BELT	Steel belts (800 mm)
SPREADING DISCS	2
FREE APPLICATION RANGE	8 a 16 m
GUIDED APPLICATION RANGE	6 a 14m
TOTAL HEIGHT	1,7 m
TOTAL WIDTH	1,8 m
TOTAL LENGHT	4,7 mm
MINIMUM POWER	85 hp
APPROXIMATE WEIGHT	1.180 kg
DRIVE SYSTEM	Hydraulic
GAUGE	1,6 m
AXLE	Tandem
TIRE	7.50/16
WORKING SPEED	10 km/h

OIL FLOW

FLOW RATE 60L/min

### **OPTIONAL:**

Tires 11L/15.Header/Damper.



# **FERTMAX DCA 7.8**



Equipment for distributing limestone and dry organic fertilizer, hydraulically driven, with belt system and centrifugal distribution. Easy coupling and tandem axle for stability on uneven ground.

TECHNICAL SPECI	FICATIONS
LOAD VOLUME CAPACITY	3,7 m <sup>3</sup>
LOAD CAPACITY	7.800 kg
CONVEYOR BELT	Steel belts – 800 mm
SPREADING DISCS	2
FREE APPLICATION RANGE	8 to 16 m
GUIDED APPLICATION RANGE	6 to 14 m
TOTAL HEIGHT	1,92 m
TOTAL WIDTH	1,8 m
TOTAL LENGHT	4,7 mm
MINIMUM POWER	90 hp
APPROXIMATE WEIGHT	1.300 kg
DRIVE SYSTEM	Hydraulic
GAUGE	1,6 m
AXLE	Tandem
TIRES	7.50/16
WORKING SPEED	10 km/h

OIL FLOW

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FLOW RATE 60L/min

### **OPTIONAL:**

Tire 11L/15.Header/Damper.

# REBOKE 4000



Grain cart with hydraulic drive, ideal for transportation of the harvested coffee. Easy to handle, the body is articulated, and it is possible to connect and remove the modules that make up the equipment.

TECHNIC	CAL SPECIFICATIONS
WIDTH	1,7 m
HEIGHT	1,9 m
LENGHT	4 m
LIFTING DRIVE	Hydraulic cylinder
VOLUMETRIC CAPACITY	3,7 m³
LOAD CAPACITY	4.000 kg
TIRE	Wheel rim 16 / Grooved tires
PNEUMATIC TIRE	Not included
GAUGE	1,3 m
APPROXIMATE WEIGHT	840 kg

# \*Illustrative purposes only

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# REBOKE 5000



Grain cart with hydraulic drive, ideal for transportation of the harvested coffee. Easy to handle, the body is articulated, and it is possible to connect and remove the modules that make up the equipment.

TECH	NICAL SPECIFICATIONS
WIDTH	1,9 m
HEIGHT	1,9 m
LENGHT	4 m
LIFTING DRIVE	Hidraulic Cylinder
VOLUMETRIC CAPACITY	4,7 m <sup>3</sup>
LOAD CAPACITY	5.000 kg
TIRES	Wheel rim 16 / Grooved tires
PNEUMATIC TIRES	Not included
GAUGE	1,5 m
APPROXIMATE WEIGHT	960 kg



## GRAIN PRODUCT RANGE

Equipment for hauling a 25ft soybean harvester platform. Easy coupling, arms with distance and angle adjustment, and a tandem axle for stability on uneven ground.

### TECHNICAL SPECIFICATIONS

TOTAL LEN	GHT	1.000 mm
LOADING	ENGHT	7.800 mm
HEIGHT		1.200 mm
WIDTH		2.200 mm
LOADING O	APACITY	2.200 kg
WEIGHT		970 kg
SUSPENSIC	N	Tandem
TIRES		6-50/10 NHS
NUMBER C	FARMS	5

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# GRAIN PRODUCT RANGE



Equipment for hauling 30ft soybean harvester platform. Easy coupling, arms with distance and angle adjustment and tandem axle for stability or uneven ground.

#### TECHNICAL SPECIFICATIONS

TOTAL LENGHT	12,5 m	
LOADING LENGHT	9,3 m	
HEIGHT	1,2 m	
WIDTH	2,2 m	
LOADING CAPACITY	2.800 kg	
WEIGHT	1.110 kg	
SUSPENSION	Tandem Axle	
TIRES	6-50/10 NHS	
NUMBER OF ARMS	7	



# GRAIN PRODUCT RANGE

Equipment for hauling 35ft soybean harvester platforms.

Easy coupling, arms with distance and angle adjustment and tandem axle for stability on uneven ground. Front axle with spring and slack system, providing easier maneuvers.

TECH	NICAL	CDECI	FIC AT	ONC
TECH	NICAL	SPECI	FICAL	UNS

TOTAL LENGHT	15 m
LOADING LENGHT	10,8 m
HEIGHT	1,2 m
WIDTH	2,2 m
LOADING CAPACITY	3.500 kg
WEIGHT	1.340 kg
SUSPENSION	Front Axle with spring and slack system and Rear Axle Tandem Type
TIRES	6-50/10 NHS
NUMBER OF ARMS	7



## OTHER IMPLEMENTS HOOK BAG

Versatile equipment that can be used to move numerous loads, especially bags. It is appropriate to different environments such as farms, ranches, as well as to help supply cultivators and distributors. It has an adjustable gauge and comes with a Bag holder and a multifunctional hook.

### TECHNICAL SPECIFICATIONS

HEIGHT "A"		3,5 m
HEIGHT "B" (L	LIFTING)	6 m
TOTAL WIDTH	4	2,9 m
ADJUSTABLE	GAUGE	Min. 2,1 m / Máx. 2,4 m
ROTATING W	HEEL SET 360°	11L/15
MAX. CAPACI	тү	2.000 kg
LATERAL TUR	NING ANGLE	45° (Both sides)
MINIMUM PC	OWER	60 hp
APPROXIMAT	'E WEIGHT	850 kg
COUPLING		3 Points
DRIVE SYSTEM	A	Hydraulic



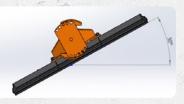
# OTHER IMPLEMENTS **REAR PLOUGH**



Suitable for terrace maintenance, contour farming, and opening irrigation canals, among others. The adjustments for blade angle and displacement provide functionality and versatility to the equipment.

TECHNICAL SPECIFIC	ATIONS
BLADE WIDTH	1.900 mm
BLADE HEIGHT	400 mm
LATERAL DISPLACEMENT (A)	until 30°
VERTICAL ANGLE (B)	until 20°
MINIMUM POWER	60 hp
APPROXIMATE WEIGHT	270 kg
COUPLING	3 Points







### **OTHER IMPLEMENTS 2 ROW FURROWER**



Implement for opening furrows in small areas. It has options for adjustable rod models. The equipment is available in 2- and 3-row configurations.

### TECHNICAL SPECIFICATIONS

SPACING 2 ROWS	1.100 to 1.500 mm
SPACING 3 ROWS	900 to 1.500 mm
NUMBER OF ROWS	2 and 3
WORKING DEPTH	400 mm
TOTAL HEIGHT	2 rows 1.400 mm / 3 rows 1.400 mm
TOTAL WIDTH	2 rows 1.050 mm / 3 rows 1.050 mm
TOTAL LENGHT	2 rows 2.500 mm / 3 rows 3.300 mm
MINIMUM POWER	2 rows 70 hp / 3 rows 80 hp
APPROXIMATE WEIGHT	2 rows 380 kg / 3rowsL 550 kg
COUPLING	3 Points
CHASSI	4 x 4

4 x 4

### **OPTIONALS:**

Straight Wing Rod. Beija-Flor rod. ▶ NE Light Rod.



## "DUCK SHAPE" FURROWER

17

Implement for opening furrows in small areas of various crops, such as pineapple, onion, melon, among others. Adjustable spacing, available in 3 and 4 rows.

WORKING DEPTH	200 mm
MINIMUM POWER	50 HP
APPROXIMATE WEIGHT	4 Rows = 330 kg / 3 Rows = 280 kg



## **CTX 19000** Fiilter cake cart

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Watch for more info:

Pulled by tractors with high-flotation tires, it performs two planting rows simultaneously, furrowing operations and filter cake distribution.

### TECHNICAL SPECIFICATIONS

VOLUMETRIC CAPACITY	19 m <sup>3</sup>
LOADING CAPACITY	20.000 kg
LOADING HEIGHT	3.200 mm
TIRES OUTER WIDTH	3.600 mm
EQUIPMENT'S LENGHT	9.200 mm
HIGH FLOTATION TIRES	600 / 50 - 22.5"
SUSPENSION	TANDEM
GAUGE	2.400 / 2.800 / 3.000 mm
POWER PLANTING ROW APPLICATION	230 HP
POWER FILTER CAKE APPLICATION	290 HP

### **OPTIONALS:**

- Moldboard plow.
  Fertilizer deposit capacity of 700 kg.
  Worm thread in surface application in 4 or 6 simultaneously.
  WHEEL CALIBRATION SYSTEM®.
  Oxide box with conveyor belt.
  Load and reverse monitoring kit.
  Stainless steel-coated tank.
- AMT

### CVX 22500 VINASSE CART

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Watch for more info:

Developed as fertigation equipment, the CVX 22500 aims for an accurate application over the sugarcane row, avoiding waste and improving the productivity of the sugarcane fields. It can be applied to the straw, the plant itself, or the ratoon. Its high-performance supply system consists of a supply set with a hose and a rotating winch.

#### TECHNICAL SPECIFICATIONS

#### CAPACITY PUMP FLOW

MIN / MAX APPLICATION RATE MIN REQ POWER

COUPLING

SUSPENSION

BRAKE SYSTEM GAUGE HIGH-FLOTATION AND LOW COMPACTION TIRES

SPACING

HYDRAULIC SYSTEM

AUTOMATION SYSTEM

AVERAGE LOADING TIME

### **OPTIONALS:**

- Application kit for biological products.
- Insecticide application kit nozzle to nozzle.
- Kit for application of insecticide incorporated in the vinasse.
  - Insecticide application and biological components kit.
    - Liquid fertilizer application kit.
      - Insecticide incorporation kit.
        - Nozzle-to-nozzle control.

\* Scan the QR code above to explore additional options.

300 m³/H and 5000 L/MIN

15.000 / 70.000 L/Ha

200 HP

22,5001

PINBALL Ø 100 mm

STANDARD – TRIDEM 1ST DIRECTIONAL AXLE 30° OPTIONAL – TRIDEM 1ST AND 3RD DIRECTIONAL AXLE 30°

BRAKE ON 2 AXLES

3.000 mm / 2.400 mm

600/50-22.5 OPTIONAL - 600/50R22.5

Conventional: 1,5 x 1,5 m Double Alternating: 0,9 x 1,5 Or ask for more options°

MIN REQ FLOW 100L/min RECOMMENDED 130L/min

> INDEPENDENT AND ISOBUS AUTOMATION

> > 5 minutes



## CVX 35000 **VINASSE CART**

Watch for more info:

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Developed as fertigation equipment, the CVX 35000 aims for an accurate application over the sugarcane row, avoiding waste and improving the productivity of the sugarcane fields. It can be applied to the straw, the plant itself, or the ratoon. Its high-performance supply system consists of a supply set with a hose and a rotating winch.

#### **TECHNICAL SPECIFICATIONS**

CAPACITY	35.000 L
PUMP FLOW	300 m³/Ha
MIN / MAX APPLICATION RATE	15.000 / 70.000 L/Ha
MIN REQ POWER	230 HP
COUPLING	PINBALL Ø 100 mm
SUSPENSION	QUADREM 1ST E 4TH DIRECTIONAL AXLE 30°
BRAKE SYSTEM	BRAKE ON 2 AXLES
GAUGE	3.000 mm / 2.400 mm
HIGH-FLOTATION AND LOW COMPACTION TIRES	600/50-26.5 OPTIONAL – 600/50R26.5

LOW COMPACTION TIRES

#### SPACING

HYDRALLIC SYSTEM

AUTOMATION SYSTEM

Conventional: 1,5 x 1,5 m Double Alternating 0,9 x 1,5 or ask for more options

MIN REO FLOW 100 L/min **RECOMMENDED HIGH** 

> FULL INDEPENDENT FULL ISOBUS

### **OPTIONALS:**

Application kit for biological products. Insecticide application kit - nozzle to nozzle. Kit for application of insecticide incorporated in the vinasse. Insecticide application and biological components kit.

## **PTX 7010** SUGAR CANE PLANTER

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Watch for more info:

It stands out for its functionality and operational performance. Pulled by tractors with power above 200 hp, it simultaneously performs two rows (attending all row spacing), furrowing operations, fertilization, seedling distribution, insecticide and fungicide application, and furrow's covering by adjustable discs to eliminate the air around the sugarcane stalks.

#### **TECHNICAL SPECIFICATIONS**

VOLUMETRIC CAPACITY	18 m³
EQUIPMENT WIDTH	3.800 mm
LOADING HEIGHT	3.800 mm
HIGH-FLOTATION TYRE	600/50-22.5" or 500/60-22.5"
SUSPENSION	TANDEM
ADJUSTABLE AXLE GAUGE	2.400 to 3.000 mm
ROW SPACING	900 to 1.500 mm
EQUIPMENT WEIGHT	11.500 kg
TOTAL LENGHT	9.600 mm
RECOMMENDED POWER	200 HP a 260 HP
FURROW DEPTH	250 mm à 400 mm
REQUIRED FLOW	135 L/min

### **OPTIONALS:**

- Constant Automation rate.
- Variable Automation rate.
- Liquid fertilizer: 2 tanks of 1.200L.
- Calcium oxide box: 2 boxes 300 kg
  - each in 304 stainless steel.
    - Radial tires.
- 23" straw cuting disc with spring system.



## VTG 2420 Grain Wagon

STMA

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Developed to meet the most severe working conditions in the intermediate transport and transshipment of grains (soybean, corn, etc.) during the harvest period and the supply of bulk fertilizers and seeds, through an optional adapter during the planting period. The VTG2420 wagon was designed with structural beams dimensioned to safely support up to 20.000 kg of liquid load, which is equivalent to two bulk tanks of the grain harvesters in the market, and offers several advantages over its competitors.

### TECHNICAL SPECIFICATIONS

NOMINAL/TESTED LOAD CAPACITY	20.000 / 20.000 kg
VOLUMETRIC CAPACITY	24 m³ (Actual)
BASKET LENGHT	4.400 mm
TOTAL LENGHT	7.620 mm
EQUIPMENT WIDTH (TRANSPORT / PROTECTION)	3.200 mm / 4.000 mm
TRANSSHIPMENT / TURNING HEIGHT	4.700 mm
LOADING HEIGHT	3.540 mm
HIGH-FLOTATION TIRES	800 / 45 - 26,5
SUSPENSION	Tandem
GAUGE	3.200 mm
EQUIPMENT WEIGHT	10.500 kg
HYDRAULIC SYSTEM	85 L
LOADING HEIGHT HIGH-FLOTATION TIRES SUSPENSION GAUGE EQUIPMENT WEIGHT	3.540 mm 800 / 45 - 26,5 Tandem 3.200 mm 10.500 kg



## VTL 2515 Orange Wagon





TMA orange wagon stands out for its robustness and operational performance. Its structure is designed to support the most severe working conditions.

TECHNICAL SPECIFIC	CATIONS
TOTAL WIDTH	3.000 mm
TOTAL LENGHT	7.361 mm
TOTAL HEIGHT	4.365 mm
LOADING HIGH	4.400 mm
TRANSSHIPMENT HEIGHT	4.600 mm
GAUGE	2.000 mm
VOLUMETRIC CAPACITY	25 m <sup>3</sup>
LOADING CAPACITY (TON)	15 Ton
TOTAL WEIGHT	11.500 kg
HIGH-FLOTATION TIRES	600/50-22.5

### **OPTIONALS:**

 6 load cells ensuring precise control with digital load indicator and printer (optional).
 Radial tires.

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### VTC 2410 SUGAR CANE WAGON





TMA sugar cane wagon stands out for its robustness and operational performance. Its structure is designed to support the most severe working conditions.

#### **TECHNICAL SPECIFICATIONS**

VOLUMETRIC CAPACITY	24 m³
LOADING CAPACITY	10.000 kg
GAUGE	1.900 mm high-flotation tire -600/50-22,5" (Optional)
APPROXIMATE RATE	4.800 kg
WORKING PRESSURE	125 bar / 1.800 psi
OIL FLOW RATE	100 L
OIL RESERVOIR	150 L
POWER TAKE-OFF DRIVE	Electro-pneumatic
POWER TAKE-OFF	Depending on truck model*
INMETRO BUMPER	According to regulation*
CHASSIS ADJUSTMENT	On behalf of the customer

**\*ON BEHALF OF THE CUSTOMER** 





## VTC 2814 SUGAR CANE WAGON





The sugar cane wagon vehicle mounted on a TMA truck stands out for its robustness and operational performance. Its structure is designed to withstand the harshest operating conditions.

#### **TECHNICAL SPECIFICATIONS**

VOLUMETRIC CAPACITY	28 m³ (Agricultural)
LOAD CAPACITY	14.000 kg
APPROXIMATE WAGON WEIGHT	8.200kg
WAGON + TRUCK WEIGHT	18.300kg
HYDRAULIC SYSTEM:	
UNIT, SAFETY VALVES ON HYDRAULIC CYLINDERS	TRO-HYDRAULIC CONTROL, HYDRAULIC
UNIT, SAFETY VALVES ON HYDRAULIC CYLINDERS TRUCK	Volvo FMX440
UNIT, SAFETY VALVES ON HYDRAULIC CYLINDERS	
UNIT, SAFETY VALVES ON HYDRÄULIC CYLINDERS TRUCK TRANSMISSION	Volvo FMX440 Automático
UNIT, SAFETY VALVES ON HYDRAULIC CYLINDERS TRUCK TRANSMISSION EURO	Volvo FMX440 Automático S



# **VTX 2410** SUGAR CANE WAGON

Watch for more info:

VTX 2410



TMA sugar cane wagon stands out for its robustness and operational performance. Its structure is designed to support the most severe working conditions.

TECHNICAL S	PECIFICATIONS
LOADING CAPACITY	10.000 kg / 11.000 kg
VOLUMETRIC CAPACITY	24 m³
HIGH-FLOTATION TIRES	600/50 - 22,5"
SUSPENSION	Tandem
GAUGE	3.000 mm (Factory Default)
EQUIPMENT WEIGHT	8.500 kg
HYDRAULIC SYSTEM	85 L
TOTAL LENGHT	7.560 mm
TOTAL WIDTH	3.770 mm
BASKET HEIGHT	3.600 mm
TOTAL HEIGHT	3.900 mm
TRANSSHIPMENT HEIGHT	4.700 mm
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**OPTIONALS:** Different gauge. Load weighing system - load cell with load indicator.

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# VTX 3213 SUGAR CANE WAGON

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TMA sugar cane wagon stands out for its robustness and operational performance. Its structure is designed to support the most severe working conditions.

#### **TECHNICAL SPECIFICATIONS**

APROX VOLUMETRIC CAPACITY		32 m <sup>3</sup>
APROX LOADING CAPACITY		13.000 kg
SUSPENSION		Tandem
GAUGE		2.000 mm
TIRES		600/50-22.5
BRAKES		Brake on 2 axles
COUPLING		PIN BALL Ø 100 mm
REQUIRED HYDRAULIC FLOW		100 L/min
APROXIMATE WEIGHT	And the second second	8.500 kg
	and the second se	

#### **OPTIONALS:**

WHEEL CALIBRATION SYSTEM®.
 Tires 600/50-22.5 (radial).



# VTX 3515 SUGAR CANE WAGON

Watch for more info:



TMA sugar cane wagon stands out for its robustness and operational performance. Its structure is designed to support the most severe working conditions.

TEC	HNICAL SPECIFICATIONS
LOADING CAPACITY	Until 15.000 kg
VOLUMETRIC CAPACITY	35 m <sup>3</sup>
BASKET LENGTH	5.090 mm
TOTAL LENGHT	8.670 mm
EQUIPMENT WIDTH	3.700 mm
TRANSSHIPMENT HEIGHT	4.700 mm
LOADING HEIGHT	3.900 mm
HIGH-FLOTATION TIRES	600/50-22.5"
SUSPENSION	Tridem
GAUGE	2.400 mm / 2.800 mm / 3.000 mm
EQUIPMENT WEIGHT	11.000 kg
HYDRAULIC SYSTEM	120 L
REQUIRED POWER	140 hp

### **OPTIONALS:**

WHEEL CALIBRATION SYSTEM®.
 Adjustable header.
 Radial tires.







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TMA sugar cane wagon stands out for its robustness and operational performance. Its structure is designed to support the most severe working conditions.

TECHNIC	AL SPECIFICATIONS
TOTAL WIDTH	3.740 mm
TOTAL LENGHT WITH HEADER	9.810 mm
TOTAL HEIGHT	3.965 mm
SWING HEIGHT	5.510 mm
LOADING HEIGHT	4.800 mm
GAUGE	2.400 mm / 2.800 mm / 3.000 mm
HIGH-FLOTATION TIRES	600/50-22.5 DIAGONAL
HEAPED VOLUMETRIC CAPACITY	50 m <sup>2</sup>
LOADING CAPACITY	21.000 kg to 23.000 kg
TOTAL WEIGHT	13.800 kg
REQUIRED POWER	150 HP
HYDRAULIC FLOW	120 L/mir

#### **OPTIONALS:**

WHEEL CALIBRATION SYSTEM®.
 Adjustable header.
 Planter loading kit.





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TMA sugar cane wagon stands out for its robustness and operational performance. Its structure is designed to support the most severe working conditions.

VTX 58225

#### **TECHNICAL SPECIFICATIONS**

TOTAL WIDTH	4.000 mm
TOTAL LENGHT WITH HEADER	9.200 mm
TOTAL HEIGHT	3.965 mm
SWING HEIGHT	5.150 mm
LOADING HEIGHT	4.800 mm
GAUGE	2.800 mm / 3.000 mm
HIGH-FLOTATION TIRE	600/50R-22.5 RADIAL
VOLUMETRIC CAPACITY	46 m <sup>3</sup>
HEAPED VOLUMETRIC CAPACITY	48 m <sup>3</sup>
LOADING CAPACITY	20.000 kg to 22.000 kg
TOTAL WEIGHT	12.600 kg
REQUIRED POWER	180 HP
HYDRAULIC FLOW	120 L/min

#### **OPTIONALS:**

WHEEL CALIBRATION SYSTEM®.
 Adjustable header.



# **VTX 6030** SUGAR CANE WAGON

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TMA sugar cane wagon stands out for its robustness and operational performance. Its structure is designed to support the most severe working conditions.

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#### **TECHNICAL SPECIFICATIONS**

TOTAL WIDTH	4.120 mm
TOTAL LENGTH WITH REAR HITCH	11.050 mm
TOTAL HEIGHT	3.980 mm
LOADING HEIGHT	3.600 mm
TRANSSHIPMENT HEIGHT	4.700 mm
GAUGE	2,8 m and 3,0 m
VOLUMETRIC CAPACITY	60 m³ (actual)
HEAPED VOLUMETRIC CAPACITY	63 m³ (estimated)
LOADING CAPACITY APROX	30.000 kg *varies according to sugar cane density
TOTAL WEIGHT	16.900 kg
REQUIRED POWER	235 HP
HIGH-FLOTATION TIRES	600/50-22,5
HYDRAULIC FLOW	120 L/min

### **OPTIONALS:**

Radial tires 600/50-22.5.
 WHEEL CALIBRATION SYSTEM®.
 Adjustable header.



## VTX 8032 SUGAR CANE WAGON

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The TMA sugarcane wagon stands out for its robustness and operational performance. Its structure is designed to support the most severe working conditions. Designed for 91-ton GVW road trains, enabling single-maneuver trailer loading and faster field operations.

Watch for more info:

### SAFE AND EFFECTIVE Safety valve on the lift and rotation.

TECHNICAL SPECIFICATIONS		
то	TAL WIDTH	4.300 mm
то	TAL LENGHT WITH HEADER	12.800 mm
то	TAL HEIGHT	4.100 mm
GA	UGE	3.000 mm
vo	LUMETRIC CAPACITY	80 m³
LO	ADING CAPACITY	Aprox 32.000 kg
HI	SH-FLOTATION TIRES	600/55-26.5 diagonal
то	TAL WEIGHT	24.500 kg
RE	QUIRED POWER	260 hp
HY	DRAULIC FLOW	110 L/min

## **OPTIONALS:**

▶ WHEEL CALIBRATION SYSTEM®.

Monitoring system with rear camera and pneumatic lens cleaning system.

 Electronic sensor system for the identification of directional axle block.

Radial tires.

Position and proximity sensor.





# VTX 9040 SUGAR CANE WAGON

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Watch for more info:

TMA sugar cane wagon stands out for its robustness and operational performance. Its structure is designed to support the most severe working conditions.

#### **TECHNICAL SPECIFICATIONS**

TOTAL WIDTH	4.240 mm
TOTAL LENGTH WITH REAR HITCH	14.140 mm
TOTAL HEIGHT	3.980 mm
LOADING HEIGHT	3.600 mm
TRANSSHIPMENT HEIGHT	4.700 mm
GAUGE	3.000 mm
VOLUMETRIC CAPACITY	90 m³
HEAPED VOLUMETRIC CAPACITY	90 m³ (estimated)
LOADING CAPACITY APROX.	30.000 kg * varies according to sugar cane density
EQUIPMENT TARE WEIGHT	20 t.
MINIMUM REQUIRED POWER	260 HP
HIGH-FLOTATION TIRES	600/55-26.5

### **OPTIONALS:**

▶ WHEEL CALIBRATION SYSTEM®.

Monitoring system with rear camera and pneumatic lens cleaning system.

Electronic sensor system for the identification of directional axle block.

Radial tires.

Position and proximity sensor.



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### VTX 9040 S Watch for more info: SUGAR CANE WAGON

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TMA sugar cane wagon stands out for its robustness and operational performance. Its structure is designed to support the most severe working conditions

	TECHNICAL SPECIFICATION	S
TOTAL WIDTH		4.240 mm
TOTAL LENGTH WITH R	EAR HITCH	14.140 mm
TOTAL HEIGHT		3.980 mm
LOADING HEIGHT		3.600 mm
TRANSSHIPMENT HEIGI	нт	4.700 mm
GAUGE		3.000 mm
VOLUMETRIC CAPACITY		90 m <sup>i</sup>
HEAPED VOLUMETRIC	CAPACITY	90 m <sup>3</sup> (estimated
LOADING CAPACITY		45 t
EQUIPMENT TARE WEIG	інт	20 t
MINIMUM REQUIRED P	OWER	230 hp
HIGH-FLOTATION TIRES		600/55-26.5

### **OPTIONALS:**

▶ WHEEL CALIBRATION SYSTEM®.

Monitoring system with rear camera and pneumatic lens cleaning system.

Electronic sensor system for identification of directional axle block.

Radial Tires.

Position and proximity sensors.





Developed in partnership with TMA and Volvo, the Stark is the largest in its category on the market. It boasts 380 horsepower, Euro 6 compliance, high-speed tires, autopilot, and increased load capacity.

TECHNICAL SPECIFICATIONS	
VOLUMETRIC CAPACITY	50m <sup>3</sup>
LOAD CAPACITY	22.000kg
GAUGE	3000mm
TIRES	525/65R-20.5
WORKING PRESSURE	125 BAR / 1800 PSI
REQUIRED HYDRAULIC FLOW	100LPM
HYDRAULIC OIL TANK	200L
HYDRAULIC DRIVE LOAD	Sense Pump
POWER TAKE-OFF	REPTO
APPROXIMATE TOTAL TARE WEIGHT	22.500kg
APPROXIMATE TRANSSHIPMENT WEIGHT	8.000kg
WEIGHT TRANSSHIPMENT + TRUCK	19.500kg
TURNING RADIUS	Consult the factory
APPROX. TRANSSHIPMENT OPERATING CYCLE	1M 375

### TRUCK:

Volvo FMX380 Truck.Automatic transmission.

► Euro 6.

► Approximate fuel consumption - 6.4L/H.

#### **OPTIONALS:**

- Trimble RTX or RTK Autopilot.
- ▶ Topcon RTX or RTK Autopilot.
  - ▶ Planter Loading Kit.
- Synchronized Lift System.
  - ▶ Box Angle Sensor.
  - Proximity Sensor.

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