



LUMA
Implementos Agrícolas

General
Equipaments
Catalog



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LUMA
Implementos Agrícolas

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LUMA-4000 / LUMA-5000

Small in size but giant in working capacity, the **LUMA-4000** and **LUMA-5000** trailers are versatile and robust, designed to offer maximum durability. Equipped with a tilting body with hydraulic drive, they discharge with maximum speed, saving time and manpower in day-to-day tasks. They have hinged, removable and modulated sides, as well as tilting back covers with self-locking system.

The **LUMA-4000** is available in single or double wheeled versions. The **LUMA-5000** can be purchased with a double wheel, tandem or two-axle wheel. Both the 4000 and 5000 have a brake option* and a special header for a stationary forage harvester*. **optional items*

Technical Characteristics

	LUMA-4000	LUMA-5000
Load capacity (kg)	4 ton	5 ton
Volumetric capacity (m ³)	4	5
Body length (mm)	2.900	3.000
Body width (mm)	1.510	1.830
Body height (mm)	900	1.000
Pistons	1	1
Tires	7.50 x 16 or 11L 15	7.50 x 16 or 11L 15
Rim	15 or 16	15 or 16
Approximate weight (kg)*	815	982

**Trailer weight may vary depending on the configuration chosen*
Choose the color of your trailer: green, black, red, blue or yellow



LUMA-4000



LUMA-5000

LUMA-6000 / LUMA-6700 / LUMA-9000

With excellent load capacity, **LUMA** trailers are sized for transportation and other operations in the culture of coffee, grains in general, fruits, forage and other products. They have a steel body and hinged sides, removable and a side and rear opening system. They have a super-reinforced chassis, with tubular stringers that make up a solid structure, more resistant and durable.

The tipper body, with hydraulic drive, discharges with maximum speed, saving time and manpower in day-to-day tasks. The **LUMA-6000**, **LUMA-6700** and **LUMA-9000** trailers are available with double wheel, tandem or two axles.

Características Técnicas

	LUMA 6000	LUMA 6700	LUMA 9000
Load capacity (kg)	5 ton	6 ton	8 ton
Volumetric capacity (m ³)	6	6,5	9
Body length (mm)	3.000	3.500	3.500
Body width (mm)	1.830	2.000	2.000
Body height (mm)	1.250	1.000	1.250
Pistons	1	1	1
Tires	7.50 x 16 ou 11L 15	7.50 x 16 ou 11L 15	7.50 x 16 ou 11L 15
Rim	15 ou 16	15 ou 16	15 ou 16
Approximate weight (kg)*	1.148	1.471	1.600

*Trailer weight may vary depending on the configuration chosen
Choose the color of your trailer: green, black, red, blue or yellow



LUMA-6700



LUMA-9000

LUMA-3000 / LUMA-5300

The **LUMA-3000** and **LUMA-5300** trailers are made up of the forage tipper line specially developed for silage storage and transport. With enormous agility and volumetric capacity, they operate in conjunction with the forage harvester, storing and transporting to the silo the harvested fodder. They are equipped with hydraulic drive tilting system. In this way, they quickly discharge directly into the silo, which represents time and labor savings. They have steel body with hinged sides, removable and modulated.

The back covers open sideways and upwards. The **LUMA-3000** trailer is available with double wheel or tandem while the **LUMA-5300** model offers dual wheel, tandem or two-axle options.

Características Técnicas

	LUMA 3000	LUMA 3000 Rodado 20	LUMA 5300
Load capacity (kg)	5 ton	6 ton	5 ton
Volumetric capacity (m ³)	3	6	5,3
Body length (mm)	3.000	3.000	3.000
Body width (mm)	2.000	2.000	2.000
Body height (mm)	750	750	1.000
Pistons	1	1	1
Tires	7.50 x 16 ou 11L 15	9.00 x 20/14	7.50 x 16 ou 11L 15
Rim	15 ou 16	20	15 ou 16
Approximate weight (kg)*	1.010	971	1.219

*Trailer weight may vary depending on the configuration chosen

Choose the color of your trailer: green, black, red, blue or yellow



LUMA-5300



LUMA-3000

LUMA-7500 / LUMA-10000

Much more robust, the **LUMA-7500** and **LUMA-10000** trailers have been sized to offer greater volumetric capacity in silage storage and transport operations. Like the other models of the line, they act with great agility in day-to-day tasks and also operate in conjunction with forage harvester. Among other features are the hydraulic drive tilting system - with 'lock-unlock' by springs - rear door with opening totally to the side or up and body with articulated sides, removable and modulated.

The monoblock bucket is structured with 'U' profile beams. Sized to provide maximum productivity and agility, the **LUMA-7500** and **LUMA-10000** are available in tandem, dual and two-axle versions.

Technical Characteristics

	LUMA-7500	LUMA-10000
Load capacity (kg)	6 ton	8 ton
Volumetric capacity (m ³)	7,5	10
Body length (mm)	3.000	3.600
Body width (mm)	2.000	2.000
Body height (mm)	1.360	1.360
Number of pistons	1	1
Tires	7.50 x 16 ou 11L 15	7.50 x 16 ou 11L 15
Rim	15 ou 16	15 ou 16
Approximate weight (kg)*	1.469	1.772

*Trailer weight may vary depending on the configuration chosen
Choose the color of your trailer: green, black, red, blue or yellow



LUMA-7500



LUMA-10000

LUMA-4.0

Robustness, agility and quality. The renowned **LUMA** line of trailers is ideal for handling and transporting fertilizers, grains, fruits, silage and various products – dry, wet, light or heavy.

The chassis is entirely metallic, composed of reinforced beams and a head with a swivel coupling, which represents maximum safety during operation. The body is detachable, with guards made of sheet metal with a folded profile.

The **LUMA 4.0** model is available in versions with a single two-axle wheelset or with leaf spring suspension (11 leaves).

The **LUMA 4.0 TIPPER** has a single wheelset.

Technical Characteristics

BODY DIMENSIONS	LUMA 4.0 TIPPER	LUMA 4.0
Length (mm)	3.000	3.000
Width (mm)	1.900	1.900
Height (mm)	1.800	1.800
Capacity (kg)	4 ton	4 ton
Tires	6.50 x 16	6.50 x 16
Rim	16	16
Approximate weight (kg)*	781	920

*Trailer weight may vary depending on the configuration chosen
Choose the color of your trailer: green, black, red, blue or yellow



LUMA-4.0 TIPPER



LUMA-4.0

LUMA-5.0

Robustness, agility and quality. The renowned **LUMA-5.0** line of trailers is ideal for handling and transporting fertilizers, grains, fruits, silage and various products – dry, wet, light or heavy. Available with tandem wheels. Load capacity of up to 5 tons. Metal chassis with reinforced beams. Hitch with height adjustment on the header. Equipped with a jack to facilitate hitching and unhitching from the tractor. Floor composed of bent steel plates reinforced with longitudinal members. Also available with checkered floor (floor).

Technical Characteristics

BODY DIMENSIONS	LUMA 5.0
Floor width (mm)	2.300
Floor length (mm)	5.000
Total length with header (mm)	6.500
Ground height to floor (mm)	950
Capacity (kg)	5 ton
Tires	7,5x16
Approximate weight (kg)*	1.055

**Trailer weight may vary depending on the configuration chosen*
Choose the color of your trailer: green, black, red, blue or yellow



LUMA-5.0

LUMA-6.0

The **LUMA-6.0 Trailer** is ideal for handling and transporting fertilizers, grains, fruits, silage and various products (dry, wet, light or heavy).

All-metal chassis, composed of reinforced beams and a head with a rotating hitch for maximum safety during operation. The **6.0 Trailer** line includes a version with leaf spring suspension and metal floor; a two-axle single-axle wheelset and metal floor and guard; leaf spring suspension and metal floor and guard, as well as a version with leaf spring suspension and metal floor and guard.

Technical Characteristics

BODY DIMENSIONS	LUMA 6.0 WITH OVERGUARD	LUMA 6.0
Length (mm)	5.700 mm	5.700 mm
Width (mm)	1.900 mm	1.900 mm
Height (mm)	1.950 mm	1.950 mm
Capacity (kg)	6 ton	6 ton
Tires	7.50 x 16	7.50 x 16
Rim	16	16
Approximate weight (kg)*	1.150	1.059

*Trailer weight may vary depending on the configuration chosen
Choose the color of your trailer: green, black, red, blue or yellow



LUMA-6.0
Metal spring beam and floor
suspension and overguard



LUMA-6.0

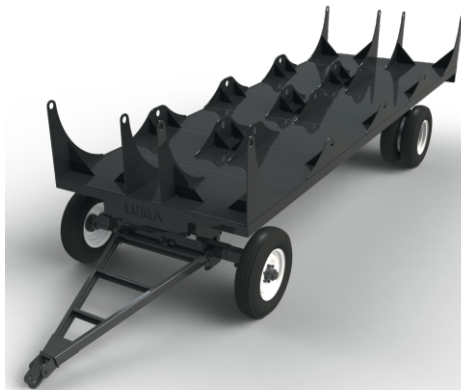
LUMA-36000

The **LUMA-36000** hay bale trailer is available in two models: round bales and rectangular bales. It features hinged front wheel and double rear for greater stability and ease of turning in any terrain condition. The platform is reinforced with metallic floor made with folded plates.

Technical Characteristics

	LUMA-36000
Load capacity:	- 400 bales rectangular (approximate) - 8 round bales
Platform length (mm)	6.000 mm
Platform width (mm)	2.000 mm or 2.500 mm
Rim	8 LB or 5.5 F16
Tires	7.50x16 or 11L15
Approximate weight (kg)*	1.544

*Trailer weight may vary depending on the configuration chosen
Choose the color of your trailer: green, black, red, blue or yellow



LUMA-36000



LUMA-36000

RAPTOR-3000

The **LUMA RAPTOR-3000 Front** has a hydraulic cutting unit with circular saws of 650 mm diameter. The implement was developed to perform side and top pruning. Thanks to the lightweight and articulated structure, driven by hydraulic pistons, it cuts in vertical, horizontal or inclined positions. The model is equipped with directional valve and cable control, allowing the operator to trigger and move the cutting units (saws or bars) directly from the tractor cab, providing greater ease of operation and safety in the use of the pruner.

The **RAPTOR 3000 Front** oil tank has a capacity of 200 liters. It is easily coupled to the tractor's three-point hydraulic lift system. It is also equipped with oil cooling changer and pressure regulator valve to regulate the speed of the cutting unit.

Technical Characteristics

RAPTOR-3000

Cutting diameter (mm)	3.000
Diameter of the saw (mm)	650
Maximum lateral cutting height (mm)	6.700
Maximum height - top cut 90° (mm)	3.700
Maximum height - top cut 30° (mm)	5.000
Approximate weight without oil (kg)	1.450
Power required (cv)	65
Number of saws	3



RAPTOR 3000
(movement optional)



RAPTOR-2500 TT RAPTOR-2500 DT

The Raptor-2500 line is perfect for top and side pruning of citrus and coffee plantation, shrubs, among others. It has versions with two or three saw discs with a diameter of 650 mm. The rear coupling to the tractor hydraulic system is simple and fast.

The models are equipped with easy-to-maintain oil tank and hydraulic-driven cutting units. The remote hydraulic control allows the operator to control the cutting unit directly from the tractor cab, providing greater safety and ease of operation.

All **Raptor TT** Pruners have optional support wheels and protective grid: models **2500 TT**, **3000 TT**, **3500 TT**.

Technical Characteristics

	RAPTOR 2500 TT	RAPTOR 2500 DT
Maximum top cutting height (mm)	3.000	3.000
Minimum top cutting height (mm)	1.000	1.000
Maximum side cutting height (mm)	5.000	5.000
Minimum side cutting height (mm)	400	400
Cutting diameter of saws (mm)	2.500	2.500
Minimum power required (cv)	65	65
Approximate weight with oil (kg)	1370	1330



RAPTOR-2500 TT



RAPTOR-2500 DT
(TWO OPTIONAL SAWS)

RAPTOR-3000 TT RAPTOR-3500 TT

The **Raptor-3000** and **Raptor-3500** line is perfect for top and side pruning of citrus orchards, coffee, shrubs, among others. It has versions with two or three saw blades with a diameter of 650 mm. The rear coupling to the tractor's hydraulic system is simple and fast.

The models are equipped with an easy-to-maintain oil tank and hydraulically driven cutting units. The remote hydraulic control allows the operator to control the cutting unit directly from the tractor cab, providing greater safety and ease of operation.

In the optional article it is possible to add a protective grid. We also have the version with tandem support wheels, which guarantee greater balance and precision during operation. All **Raptor TT** Pruners have optional support wheels and protective grid: models **2500 TT**, **3000 TT**, **3500 TT**.

Technical Characteristics

	RAPTOR 3000 TT	RAPTOR 3000 TT <i>Compact</i>	RAPTOR 3500 TT
Maximum top cutting height (mm)	4.000	3.000	4.000
Minimum top cutting height (mm)	1.000	1.000	1.000
Maximum side cutting height (mm)	6.800	6.000	7.000
Minimum side cutting height (mm)	400	400	400
Cutting diameter of saws (mm)	3.000	3.000	3.500
Minimum power required (cv)	90	70	90
Approximate weight with oil (kg)	1800	1650	1850



RAPTOR-3000 TT



RAPTOR-3000 TT
(VERSION WITH WHEELS
AND PROTECTION)

RAPTOR FT-3600

RAPTOR FF-3600

The **LUMA RAPTOR-3600** features a hydraulic cutting bar cutting unit with serrated knives in the front and rear options. All models are equipped with directional valve and cable control, which allow the operator to trigger and move the cutting units (saws or bars) directly from the tractor cab. This system provides greater ease of operation and safety in the use of the prumer.

Technical Characteristics

	Rear		Front
	Mobile Column	Fixed Column	Mobile Column
Bar type (mm)	3.600	3.600	3.600
Horizontal cutting height (mm)	4.000	-	4.600
Vertical cutting height (mm)	7.500	4.000	8.000
Vertical tilt angle	-	34	-
Cutting height at 30° top (mm)	5.800	-	6.500
Side shift (mm)	785	785	785
Minimum vertical cutting height (mm)	-	400	-
Number of cylinders	3	2	3
Approximate weight (kg)	870		700

*Weight without tractor kit



RAPTOR FT-3600



RAPTOR FF-3600

RAPTOR DUO SF-3600

RAPTOR DUO FF-3600

The **LUMA RAPTOR-3600 DUO** features dual hydraulic cutting unit, cutting bar with front and rear serrated knives or front cutting disc and rear bar. All models are equipped with directional valve and cable control, allowing the operator to trigger and move the cutting units (saws or bars) directly from the tractor cab. This system provides greater ease of operation and safety in the use of the trimmer.

Technical Characteristics

	Rear		Front
	Mobile Column	Fixed Column	Mobile Column
Bar type (mm)	3.600	3.600	3.600
Horizontal cutting height (mm)	4.000	-	4.600
Vertical cutting height (mm)	7.500	4.000	8.000
Vertical tilt angle	-	34	-
Cutting height at 30° top (mm)	5.800	-	6.500
Side shift (mm)	785	785	785
Minimum vertical cutting height	-	400	-
Number of cylinders	3	2	3
Approximate weight FF-3600 (kg)	1.373		
Approximate weight SF-3600 (kg)	1.840		

RAPTOR DUO FF-3600



RAPTOR DUO FS-3600

T-REX 3500

The **LUMA T-REX 3500** has a hydraulic cutting unit with four circular saws of 650 mm in diameter. The arm is fully articulated, driven by hydraulic cylinders. Prunes side and top in vertical, horizontal or sloping positions. It has an independent oil tank, with capacity for 400 liters. The LUMA T-REX 3500 is equipped as standard with heat exchanger for oil cooling. The cutting unit has oil flow regulator valve, which allows you to easily control the cutting speed according to the need of planting.

Technical Characteristics

	T-REX 3500
Cutting diameter (mm)	3.500 mm
Diameter of the saw (mm)	650 mm
Maximum lateral cutting height (mm)	8.050 mm
Maximum height - top cut 90° (mm)	5.050 mm
Maximum height - top cut 30° (mm)	6.450 mm
Approximate weight without oil (kg)	3.400 kg
Power required (cv)	75 cv
Number of saws	4



T-REX 3500



T-REX 3500

RAPTOR FF-2400 / FF-2800

The **LUMA RAPTOR FF-2400** and **FF-2800** front prumer, pruning side and top pruning. Cuts in vertical, horizontal or inclined positions, easily adapting to the most varied operating conditions, promoting a pruning of the highest quality in coffee plantation, hedges and orchards. It has a light and articulated structure, driven by hydraulic cylinders, a smooth and silent operation cutting bar, extraordinary stability, high efficiency and low power consumption, enabling use on smaller tractors.

Technical Characteristics

	RAPTOR FF-2400	RAPTOR FF-2800
Cutting range (mm)	2.400	2.800
Cutting diameter (mm)	35	35
Full width (mm)	1.000	1.000
Length (mm)	2.000	2.000
Total height (mm)	3.000	3.000
Approximate weight (kg)	470	508
Minimum power (cv)	40	40
Maximum horizontal cut height (mm)	3.100	3.100
Minimum horizontal cut height (mm)	1.600	1.600
Vertical cutting height (mm)	3.000	3.400
Minimum oil flow (l/min)	30	30
Valve command tractor	4-way	4-way



RAPTOR
FF-2400



RAPTOR
FF-2400

SD-280 / SD-280 II

The top pruners **SD-280** and **SD-280 II** provide excellent results in pruning the coffee pointer (canopy) and the like. They have a simple and robust saw drive system, which uses only the tractor's power outlet.

They have a ratchet cutting height adjustment system, which provides greater agility and ease of operation. The **SD-280** has a saw blade and the **SD-280 II** has two discs with diameters of 800 mm.

Technical Characteristics

	SD-280	SD-280 II
Number of cutting discs	1	2
Full width (mm)	2.210	2.210
Length (mm)	1.140	1.140
Height total (mm)	3.740	3.740
Approximate weight (kg)	510	630
Minimum cutting height (mm)	350	350
Maximum cutting height (mm)	2.850	2.850
Power required (cv)	35	40



SD-280 II
(two discs)



SD-280

PL-250

The **PL-250** pruner performs side pruning in coffee crops and the like. It promotes greater aecization and illumination between the lines of the crop, facilitating operational processes such as spraying, mowing and mechanized harvesting, among others.

Easy to engage to the tractor's three-point system, it adapts to the most varied crops. It is equipped with two or three circular saws with a diameter of 650 mm. The pruning angle is adjustable from -5° to 20° , using hydraulic piston.

Technical Characteristics

	PL-250
Number of cutting discs	2 or 3
Full width (mm)	1.720
Length (mm)	1.450
Total height (mm)	2.200
Approximate weight (kg)	580 / 620
Minimum cutting height (mm)	250
Maximum cutting height (mm)	2.900
Cutting diameter	2.400
Cutting angle	-5° to 20°
Power required (cv)	35



PL-250

RR-2300 / RR-2600

The **LUMA RR-2300** and **RR-2600** Brushcutters provide high performance in cleaning coffee plantations, citrus groves and similar areas. They are robust and easy-to-use brushcutters, equipped with a free-wheeling system that maintains the integrity of the equipment and also of the tractor in cases of overload. They help to preserve the environment, acting to reduce the application of herbicides.

REVERSIBLE BRUSHCUTTERS

Our brushcutters have an exclusive cutting reversal system that is done only by moving the tractor. This system ensures greater ease, speed and safety in operation. Less time wasted on coupling and uncoupling, greater agility and operational efficiency.

BRUSHCUTTERS EQUIPPED WITH 4 WHEELS*Technical Characteristics**

	RR-2300	RR-2600
Full width (mm)	2.450	2.750
Total length (mm)	2.100	2.100
Minimum cutting height (mm)	30 to 160	30 to 160
Approximate weight (kg)	750	791
Perimeter cutting (mm)	675	712
Power required (cv)	60	75
Cutting width (mm)	2.300	2.600



RR-2300



RR-2600

RR-2600 FLEX

The **LUMA RR-2600 Flex** Brushcutter model has an articulated cutting system to perfectly follow the uneven terrain. This robust and easy-to-use brushcutter is equipped with a free-wheeling system that maintains the integrity of the equipment and also of the tractor in cases of overload. It helps to preserve the environment, acting to reduce the application of herbicides.

REVERSIBLE BRUSHCUTTERS

Our brushcutter has an exclusive cutting reversal system that is done only by moving the tractor. This system ensures greater ease, speed and safety in operation. Less time wasted on coupling and uncoupling, more agility and operational efficiency.

***BRUSHCUTTER EQUIPPED WITH 8 WHEELS**

Technical Characteristics

	RR-2600 FLEX
Full width (mm)	2.780
Total height (mm)	2.470
Minimum cutting height (mm)	30 to 160
Approximate weight (kg)	1.095
Cutting perimeter (mm)	1.360
Power required (cv)	75
Cutting width (mm)	2.600



RR-2600 FLEX

ARRUADOR SIMPLE ARRUADOR DUO

LUMA sweepers provide complete cleaning of coffee trees, removing leaves and other organic waste. They have a sweeping system with an articulated structure, blowers with high-power turbines and sweepers driven by hydraulic motors.

They blow the coffee stalk area, throwing the 'hidden' beans to the area to be swept. Equipped with a flow control valve that allows you to control the speed of the sweepers.

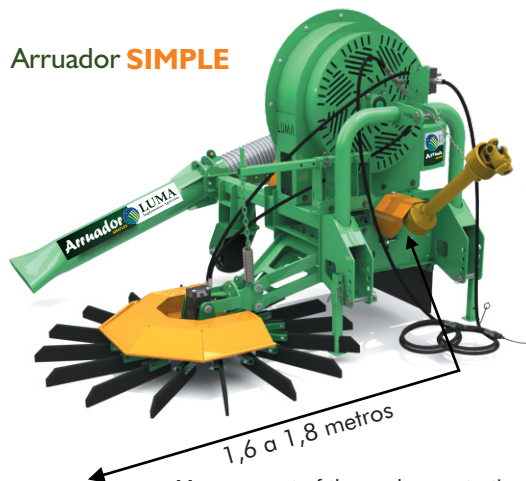
Available in two versions: Sweeper with one sweeper and Sweeper with two sweepers.

Technical Characteristics

	ARRUADOR SIMPLES	ARRUADOR DUPLIO
Number of sweepers	1	2
Overall width (mm)	2.345	3.700
Overall length (mm)	2.050	2.700
Overall height (mm)	1.700	1.700
Minimum power required	55	65
Weight	650	950
Valves required (tractor)	1	2
Minimum working width (mm)	1.600	3.100
Maximum working width (mm)	1.800	3.700

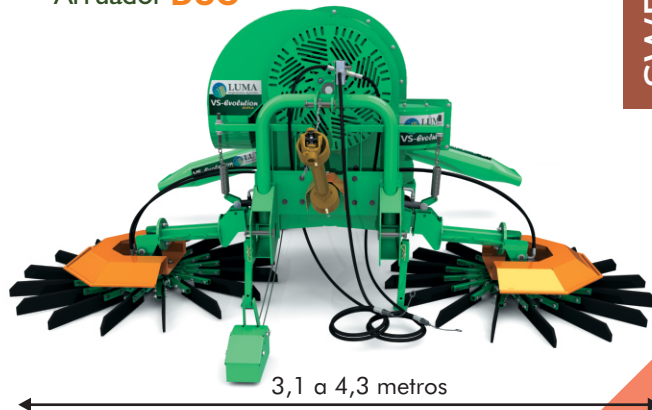
*Optional Double to increase working area to 4.3 meters

Arruador **SIMPLE**



Measurement of the work area starting from the center of the Simple Arruador

Arruador **DUO**



*Optional extension on the Double Scrubber for work with an area of 4.3 meters

TP-140 NG / TPH-140 NG / TP-160 NG TPH-160 NG / TP-200 NG

The **New Generation** of the **TP crusher line** is even more robust, developed to handle the heavy work in the field. Larger in size, the models are indicated for the crushing of pruning debris with branches up to 15 cm in diameter, preferably in a green state.

In addition to the mechanical version for the entire line, the **TP-140** and **TP-160** crushers are also produced in the hydraulic displacement version, equipped for work in the central position or shifted to the side - ideal in the side mowing in orchards, as well as fence eaves.

The 10 hammers incorporated in the **TP-140** and **TP-160** models, and the 16 in the **TP-200 line**, are larger, which allows you to grind large volumes of branches. They also have side shoes, which facilitate the adjustment of the height of the cut. Without opening in the back cover, the material resulting from the crushing is recycled evenly.

Technical Characteristics

	TP-140 NG	TP-160 NG	TP-200 NG
Total width (mm)	1.560	1.760	2.260
Length (mm)	1.500	1.500	1.500
Total height (mm)	950	950	950
Approximate weight (kg)	620	645	750
Cutting perimeter (mm)	1.400	1.600	2.200
Required power (hp)	60	60	75
Number of hammers	10	10	16
Number of knives (optional)	20	20	32



TPH-160 NG



TP-200 NG

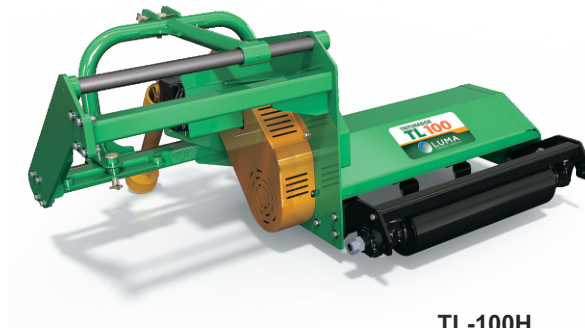
TL-100H / TR-2200

The **TL-100H** model is equipped for exclusively side jobs and with lateral hydraulic displacement. Ideal in side swiddens of orchards, as well as aceiros and fence eaves.

The **TR-2200** model has a smaller height and side baffles that allow the crusher to enter under the coffee skirt, promoting the cleaning of the streets without causing abrasions on branches or leaves.

Technical Characteristics

	TL-100H	TR-2200
Total width (mm)	1.300	1.500
Length (mm)	2.000	2.400
Total height (mm)	810	800
Approximate weight (kg)	556	785
Cutting perimeter (mm)	1.000	2.200
Required power (hp)	45	75
Number of hammers	12	24
Number of knives (optional)	24	48



TL-100H



TR-2200

TL-140 / 160 / 180 / 140H / 160H / 180H TL-200 / 220 / 240 / 260 / 280

LUMA Crushers are used in coffee crops, fruit crops, landscaping and road and highway conservation. Robust and efficient, they were developed to grind pruning remains of various crops, preferably in a still green state.

They have a powerful rotor that ensures a quick and uniform grinding, creating a vegetable protection bed that retains moisture and is easily incorporated into the soil. They are equipped with a compactor roller that realizes gradual leveling of the soil.

The **TL-140H**, **TL-160H** and **TL-180H** models are equipped with hydraulic piston for work in the central position or shifted to the side, ideal in side mowing in orchards, as well as acaches and fence eaves.

Technical Characteristics

	TL 140	TL 160	TL 180	TL 140H	TL 160H	TL 180H
Total width (mm)	1.560	1.760	1.960	1.560	1.760	1.960
Length (mm)	1.180	1.180	1.180	1.180	1.180	1.180
Total height (mm)	880	800	880	880	880	880
Approximate weight (kg)	637	677	736	678	719	753
Cutting perimeter (mm)	1.400	1.600	1.800	1.400	1.600	1.800
Required power (hp)	60	60	75	60	60	75
Number of hammers	16	16	20	16	16	20
Number of knives (optional)	32	32	40	32	32	40



TL-140



TL-160H



TL-280

Technical Characteristics

	TL 200	TL 220	TL 240	TL 260	TL 280
Total width (mm)	2.060	2.260	2.460	2.660	3.860
Length (mm)	1.180	1.180	1.180	1.180	1.180
Total height (mm)	880	880	880	880	880
Approximate weight (kg)	781	841	896	917	983
Cutting perimeter (mm)	2.000	2.200	2.400	2.600	2.800
Required power (hp)	75	75	80	80	80
Number of hammers	24	24	28	28	34
Number of knives (optional)	48	48	56	56	68

TP-300 / TP-400

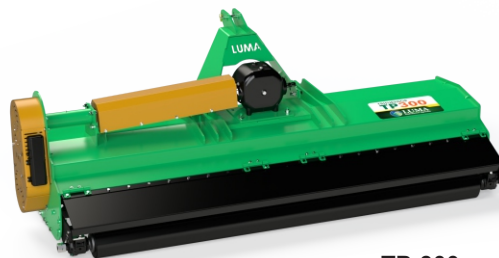
The heavy line of **LUMA Crushers** is composed of robust and efficient models, developed to grind pruning debris from various crops, preferably in a green state. They have a powerful rotor that ensures a fast, uniform and effective grinding, creating a good layer of plant protection that retains moisture and is easily incorporated into the soil.

They also have a compactor roller for the gradual leveling of the soil. LUMA crushers are applicable for crushing residues, such as maize straw, and also landscapes.

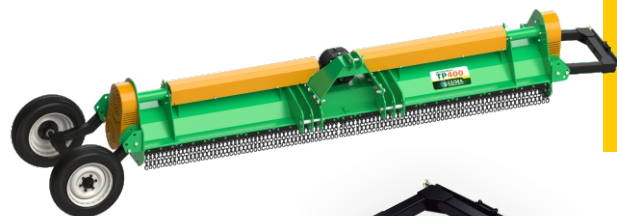
The **TP-400 line** is even more robust, composed of two interconnected rotors and consisting of hammers with teeth, which offer greater efficiency in the service performed. It also has an optional exclusive charging system in places with difficult access.

Technical Characteristics

	TP-300	TP-400 (no kit)	TP-400 (with kit)
Overall width (mm)	3.200	4.400	5.700
Working width (mm)	3.000	4.000	4.000
PTO speed (rpm)	540	540	540
Minimum power (hp)	90	120	120
Hitch category	II and III	II and III	II and III
Approximate weight (kg)	1.095	1.360	1.532
Number of hammers (standard)	36	32	32
Number of knives (optional)	72	64	64



TP-300



TP-400 WITH KIT



TP-600 / TP-800

The **heavy line of LUMA crushers** was developed to grind pruning debris from various crops, preferably in a green state. The **TP-600** and **TP-800** models feature a powerful rotor that ensures fast, uniform and effective grinding, creating a good layer of plant protection.

They also have a compactor roller for the gradual leveling of the soil. They are applicable for crushing waste in fruit crops - such as corn, cotton, wheat, pasture, among others - and also landscapes.

More robust and larger in size, the **TP-600** and **TP-800** models reach much wider areas during operation, with proven cost and time reduction. The line also has an optional system exclusive to loading locations with difficult access.

Also noteworthy is the single belt system formed by five conjugated channels, which provides greater performance and durability.

Technical Characteristics

	TP-600	TP-800 (no kit)	TP-800 (with kit)
Total width (mm)	6.400	8.400	8.400
Working width (mm)	6.000	8.000	8.000
PTO speed (rpm)	1.000	1.000	1.000
Minimum power (hp)	140	160	160
Hitch type	Drag	Drag	Drag
Approximate weight (kg)	3.179	4.775	4.992
Number of knives (standard)	194	258	258
Number of rollers	2	2	2
Cutting height (mm)	25-450	25-450	25-450



TP-600



TP-800

MSR-30 / MSR-40 MSR-50 / MSC-50 / MC-50

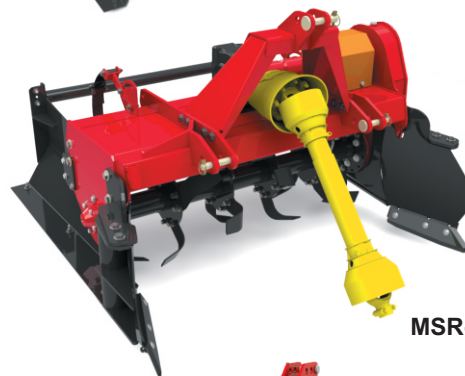
The **LUMA ROTARY TILLER** is used in the formation of intensive horticulture, floriculture and fruit growing beds. Leaves the bed level and ready for planting. Its structure is reinforced and independent of the Rotavator. The blades work at the full width of the bed, eliminating the proliferation of bush on the sides. LUMA rotary tiller feature a rotor with three blades pairs per flange, cardan with disc clutch and easy-to-adjust rear skirt.

Technical Characteristics

	MSR-30	MSR-40	MSR-50	MSC-50	MC-50
Max. top bed width (mm)	700	900	1.100	1.100	1.100
Base bed width (mm)	900	1200	1.500	1.500	1.500
Max. bed height (mm)	350	350	350	350	350
Number of blades	18	24	30	30	30
Approx. weight (kg)	382	567	586	576	635
Required power (hp)	30	50	55	55	55
Number of flanges	2	3	4	4	4



MC-50



MSR-50



MSR-30

MC-60 / MSR-60 / MSC-60

The **LUMA ROTARY TILLER** is used in the formation of intensive horticulture, floriculture and fruit growing beds. Leaves the bed level and ready for planting. Leaves the bed level and ready for planting. Its structure is reinforced and independent of the Rotavator. Its blades work at the full width of the bed, eliminating the proliferation of bush on the sides. LUMA rotary tiller feature a rotor with three blades pairs per flange, cardan with disc clutch and easy-to-adjust rear skirt.

Technical Characteristics

	MC-60	MSR-60	MSC-60
Max. top bed width (mm)	1.350	1.350	1.350
Base bed width (mm)	1.750	1.750	1.750
Max. bed height (mm)	350	350	350
Number of blades	36	36	36
Approx. weight (kg)	684	621	608
Required power (hp)	65	65	65
Number of flanges	5	5	5



MC-60



MSR-60

MC-70 / MSR-70 / MSC-70

The **LUMA ROTARY TILLER** is used in the formation of intensive horticulture, floriculture and fruit growing beds. Leaves the bed level and ready for planting.

Its structure is reinforced and independent of the Rotavator. Its blades work at the full width of the bed, eliminating the proliferation of bush on the sides.

LUMA rotary tiller feature a rotor with three blades pairs per flange, cardan with disc clutch and easy-to-adjust rear skirt.

Technical Characteristics

	MC-70	MSR-70	MSC-70
Max. top bed width (mm)	1.600	1.600	1.600
Base bed width (mm)	2.000	2.000	2.000
Max. bed height (mm)	350	350	350
Number of blades	42	42	42
Approx. weight (kg)	635	658	650
Required power (hp)	75	75	75
Number of flanges	6	6	6



MC-70



MSR-70

MSP-3500

The **LUMA MSP-3500 ROTOCANTEIRADOR** is used to form seedbeds for the production of crops such as potatoes, cassava, etc. The blades work across the entire width of the seedbed, eliminating the proliferation of weeds on the sides.

LUMA rotocanteiradores have a rotor with three pairs of blades per flange, a cardan shaft with a disc clutch and an easily adjustable rear skirt. The front furrowers are adjustable, while the rear cover has adjustable guides for the formation of two, three or four seedbeds.

The **ROTAVATOR LUMA MSP-3500** Rotary Hoe version works to prepare the soil for sowing. With numerous applications, it has an exclusive rotor equipped with blades designed with special angles to destroy clods without compacting the soil and provide better germination and plant development.

Technical Characteristics

	MSP-3500 Rotocanteirador			MSP-3500 Rotavator
	2 beds	4 beds	6 beds	
Width of the top bed max. (mm)	1.400	600	300	-
Width of the base bed max. (mm)	1.750	870	580	
Number of blades	78			78
Approximate weight (kg)	1.750			1.470
Minimum power (cv) 540 RPM	200			140
Full width (mm)	3.800			3.800
Cutting width (mm)	3.500			3.500
Number of subsolators	5			Optional
Number of flanges	12			12



**MSP-3500
ROTAVATOR**



**MSP-3500
ROTOCANTEIRADOR**

MS-40 / MS-50 / MS-60 / MS-70

LUMA ROTARY TILLER was specially developed to work in soil preparation for sowing. It has an exclusive rotor equipped with blades designed with special angles to destroy the roasts without compacting the soil and provide better germination and plant development.

With numerous applications, it can be used to incorporate remains of various crops, straws, organic matter, limestone and fertilizers, in the preparation of floodplains under water slide, in the renewal of pastures, to lower vegetation in the control of the bush and weeds, etc.

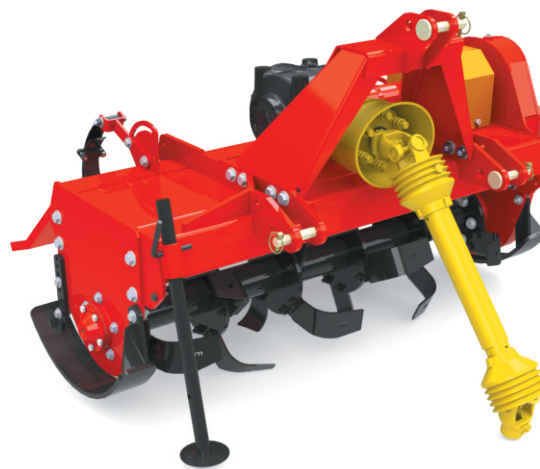
Equipped with side skates to support the machine on the ground, with height adjustment that allows the control of the working depth up to 20 cm on soils previously mobilized with phigh, grill or subsolator.

Technical Characteristics

	MS-40	MS-50	MS-60	MS-70
Total width (mm)	1.370	1.570	1.830	2.080
Cutting width (mm)	1.100	1.220	1.470	1.730
Cutting depth (cm)	0 a 20	0 a 20	0 a 20	0 a 20
Number of blades	24	30	36	42
Approximate weight (kg)	448	470	504	540
Required power (hp)	35	35	45	60
Number of flanges	3	4	5	6



MS-50



MS-50

MS-80 / MS-90

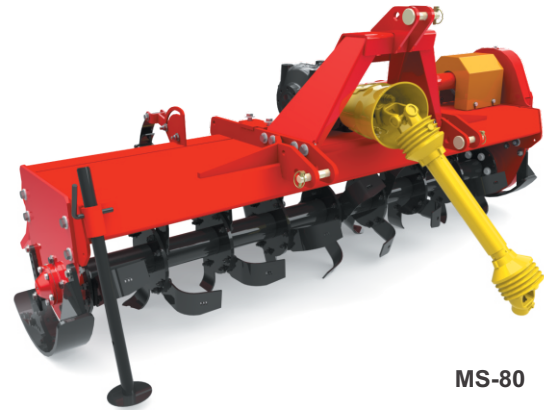
LUMA ROTARY TILLER was specially developed to work in soil preparation for sowing. It has an exclusive rotor equipped with blades designed with special angles to destroy the roasts without compacting the soil and provide better germination and plant development.

With numerous applications, it can be used to incorporate remains of various crops, straws, organic matter, limestone and fertilizers, in the preparation of floodplains under water slide, in the renewal of pastures, to lower vegetation in the control of the bush and weeds, etc.

Equipped with side skates to support the machine on the ground, with height adjustment that allows the control of the working depth up to 20 cm on soils previously mobilized with phigh, grill or subsolator.

Technical Characteristics

	MS-80	MS-90
Total width (mm)	2.330	2.690
Cutting width (mm)	1.980	2.250
Cutting depth (cm)	0 a 20	0 a 20
Number of blades	48	54
Approximate weight (kg)	564	630
Required power (hp)	70	85
Number of flanges	7	8



MS-80



MS-80

MS-100 / MS-120 / MS-140 / MS-160

ROTAVATOR LUMA was specially developed to work in soil preparation for sowing. It has an exclusive rotor equipped with blades designed with special angles to destroy the roasts without compacting the soil and provide better germination and plant development.

With numerous applications, it can be used to incorporate remains of various crops, straws, organic matter, limestone and fertilizers, in the preparation of floodplains under water slide, in the renewal of pastures, to lower vegetation in the control of the bush and weeds, etc.

Equipped with side skates to support the machine on the ground, with height adjustment that allows the control of the working depth up to 20 cm on soils previously mobilized with phigh, grill or subsolator.

Technical Characteristics

	MS-100	MS-120	MS-140	MS-160
Total width (mm)	2.840	3.340	3.840	4.340
Cutting width (mm)	2.500	3.000	3.500	4.000
Cutting depth (cm)	0 a 20	0 a 20	0 a 20	0 a 20
Number of blades	60	78	78	90
Approximate weight (kg)	668	815	857	955
Required power (hp)	95	100	110	120
Number of flanges	9	10	12	14



MS-100



MS-100

BCA-1200 / BCA-1500

Models **LUMA BCA-1200** and **BCA-1500** revolve and hit the aviary bed. They provide greater comfort and sanity for birds, ensuring lots with high performance and excellent cost benefit.

The excellent crushing increases the life of the bed, allowing its use in a larger number of lots, besides producing a composting with high organic value, ideal for later use in the crop.

The **BCA-1200** and **BCA-1500** are factory equipped with a back cover with adjustable opening; rubber parades; dual current transmission; and ultra resistant gearbox, which ensures continuous work without the need for followed stops for maintenance.

The rotor mounted with 30 hammers, in the **BCA-1500**, and 24 hammers, in the **BCA-1200**, beats and grinds, accelerating the drying of the aviary bed, avoiding diseases of birds such as calluses in the breasts and feet (pododermatites), common in situations of high humidity of the bed.

Technical Characteristics

	BCA-1200	BCA-1500
Working width (mm)	1.20	1.50
PTO speed (rpm)	540	540
Number of hammers	24	30
Working depth (cm)	25	25
Approximate weight (kg)	310	340
Required power (hp)	40	45



BCA-1200



BCA-1500

COMPOST BARN ROTARY TILLER

ROTOPEC-2000

Only the **ROTOPEC-2000** provides complete revolving of the composting bed in the **COMPOST BARN** system. Scarifies and grind in a single operation, ensuring better composting, greater comfort for animals and greater gains with increased milk production.

It has 4 or 6 front groovers with height adjustment, to reach the ideal depth and promote the afforeb of the bed. It also has a rotor roller equipped with 32 curved blades arranged in the roller in helical shape.

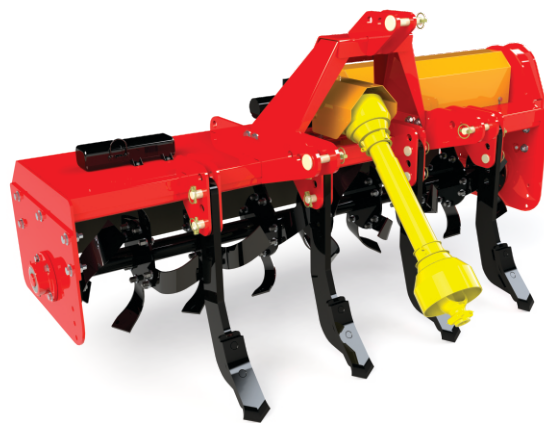
The blades of the efficient destroyer roller break the lumps leaving them in ideal sizes for oxygen infiltration into the bed. The **ROTOPEC-2000** is equipped with a cardan factory; rubber back sider; scarifiers with replaceable tips; and dual current transmission.

Technical Characteristics

	ROTOPEC-2000 4 SULCERS	ROTOPEC-2000 6 SULCERS
Working width	2.000	2.000
Number of scarifiers	4	6
Number of knives	32	32
Number of flanges	9	9
Depth	10 to 45	10 to 45
Power required (cv)	65	70
Approximate weight (kg)	570	630



ROTOPEC-2000
(6 SULCERS)



ROTOPEC-2000
(4 SULCERS)

BC-30

LUMA CEREAL THRESHER were developed to beat, shake and bag cereals, such as: dry corn with straw and cob, beans, soybeans, rice and the like.

All versions are equipped with double bagger, for greater agility and ease of operation; air suction system with high capacity fan, for cereal cleaning and total straw disposal; automatic feeder with roller equipped with retractable pins, which provide uniform and constant feeding.

The **BC-30** has versions for electric engine, diesel/gasoline or tractor power outlet. It is available in models with shaft; with engine accessory; with platform; with platform and elevator; universal; animal traction; and based on diesel or gasoline.

NOTE: The machine comes with **ONLY ONE SIEVE**, which must be chosen at the time of purchase, according to the cereal that the machine will be used for. ****Separate sieves can be purchased, but they are optional.*

Technical Characteristics

	Models	Driven By	Power Required	Production (bag 60 Kg)			
				Bean	Corn	Rice	Soybean
BC-30	ENGINE	ELECTRIC ENGINE	10 to 12 cv	16 to 22	25 to 45	15 to 20	15 to 20
		GASOLINE/DIESEL	15 cv	16 to 22	25 to 45	15 to 20	15 to 20
	UNIVERSAL	Tractor PTO 540 RPM	From in 35 cv	15 to 35	60 to 80	15 to 25	15 to 35

**The weight of the BC-30 varies from 460kg to 700kg depending on the version chosen.*

**Variations may occur depending on the type of product, grain moisture, degree of impurities and machine settings.*

***To beat rice, cut the stalks to a length of approximately 40 cm.*



BC-30 UNIVERSAL



BC-30 WITH PLATFORM AND LIFT



BC-30 BASED ON DIESEL OR GASOLINE

BC-80

LUMA CEREAL THRESHER were developed to beat, shake and bag cereals, such as: dry corn with straw and cob, beans, soybeans, rice and the like.

All versions are equipped with double bagger, for greater agility and ease of operation; air suction system with high capacity fan, for cereal cleaning and total straw disposal; automatic feeder with roller equipped with retractable pins, which provide uniform and constant feeding.

The **BC-80** has versions for electric engine, diesel/gasoline or tractor power outlet. It is available in diesel or gasoline-based models; with electric base and elevator; with standard platform; with platform and elevator; and universal.

NOTE: The machine comes with **ONLY ONE SIEVE**, which must be chosen at the time of purchase, according to the cereal that the machine will be used for. ****Separate sieves can be purchased, but they are optional.*

Technical Characteristics

Models	Driven By	Power Required	Production (bag 60 Kg)				
			Bean	Corn	Rice	Soybean	
BC-80	UNIVERSAL	Tractor PTO 540 RPM	From in 35 cv	15 to 35	60 to 80	15 to 25	15 to 35
	PLATFORM STANDARD						
	PLATFORM ELEVATOR						
	ENGINE	ELECTRIC ENGINE	15 cv				
	GASOLINE/DIESEL	15 cv					

**The weight of the BC-30 varies from 470kg to 694kg depending on the version chosen.*

**Variations may occur depending on the type of product, grain moisture, degree of impurities and machine settings.*

***To beat rice, cut the stalks to a length of approximately 40 cm.*



BC-80 UNIVERSAL



BC-80 WITH PLATFORM AND LIFT



BC-80 WITH ELECTRICAL BASE AND ELEVATOR

B7 MAXI

The **B7 MAXI RICE MILL** is a machine specially designed and developed for small and medium producers. It has a compact unit, which presents all the processing operations of rice husk in a single machine: sorting, peeling, polishing and selection.

The **LUMA B7 MAXI** is a rice processor that in addition to polishing and classifying, also has an output of by-products such as bran, a very rich component for animal feed. Compact and modern machine, which has its own support for electric engine assembly or base for placement of diesel or gasoline engine.

Technical Characteristics

	B7 MAXI
Electric engine power (cv)	7,5
Diesel/gasoline engine power (cv)	8
Production (kg/hour)	200 to 270
Rotation on the steering wheel	760
Weight (kg)	220
Length (mm)	1.600
Width (mm)	950
Height (mm)	1.800



B7 MAXI



B7 MAXI

LUMA-1200

Indispensable in its property, **Crane LUMA-1200** faces any task with agility: it loads and unloads machines and implements, supplies fertilizer distributors and planters, moves and transports cargo in general safely. Ideal for use with big-bag in coffee, fruit, cereals, potatoes, cassava, etc. It has two double-action hydraulic pistons and retractable arm. In the extended position, his arm reaches the length of 3.50 meters. Standing, it reaches 4.50 meters high.

Optional system: The **Luma-1200** Winch can be used for multiple work operations, as it has an extra coupling system that allows equipment to be coupled for joint use.

Technical Characteristics

	LUMA-1200
Maximum load indented arm	1.200
Maximum extended arm load	800 kg
Maximum arm length (mm)	3.500
Maximum lifting height (mm)	4.500
Pressure required (bar)	170 to 190
Weight (kg)	486
Power required (cv)	45



Optional system

LUMA-1200



LUMA-1200



LUMA

Implementos Agrícolas

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*Luma reserves the right to modify or improve
his products without prior announcement.*