

Pendolare

Suitable anywhere. Always safe.
Precise in every cut.



MOWERS

SIDE DISC

marangon

AGRICULTURAL MACHINERY



Perfect grip, flawless cutting. The pendulum side mower that combines lightness, adaptability, and always clean cutting.

PENDULUM SYSTEM WITH DEDICATED SUSPENSION FOR MAXIMUM GROUND ADHERENCE AND “NON STOP” SAFETY.

High-quality forage requires a clean cut: beyond the bar construction type, it is the **suspension** that makes the difference. The **Pendulum** mower is named after the attachment of the machine body to the **suspension system**, which ensures **excellent lightness performance and adaptability on any terrain**. The primary transmission is via an oil-bath gearbox located under the drawbar attachment, while the double-spring shock absorber

allows optimal ground pressure adjustment, **letting the mower follow the terrain profile and achieve a clean cut**.

An optional nitrogen accumulator shock absorber is available, making machine setup even simpler and more intuitive. **Available working widths range from 2.45 m to 4.04 m**.

1

VERTICAL AND REAR TRANSPORT POSITION

SAFE ON THE ROAD

The **Pendulum** model, in the spring and Soft Active versions, allows **hydraulic lifting and retraction of the mower**.

Shifting the weight toward the center results in more even stress on the axles and the lift. **The tractor benefits from better on-road behavior**. It also ensures a clear view from the rearview mirrors.



1

WIDE OSCILLATION RANGE

Up to 29° upwards and 20° downwards.

Ideal for working on slopes, field edges, and along ditches. A ground clearance of 50 cm at the end of the field ensures passage over windrows without damage and **increases maneuverability** around obstacles, such as fence posts.



“RAZOR CUT” MOWER GROUP AND CLEAN CUT TECHNOLOGY, MARANGON QUALITY

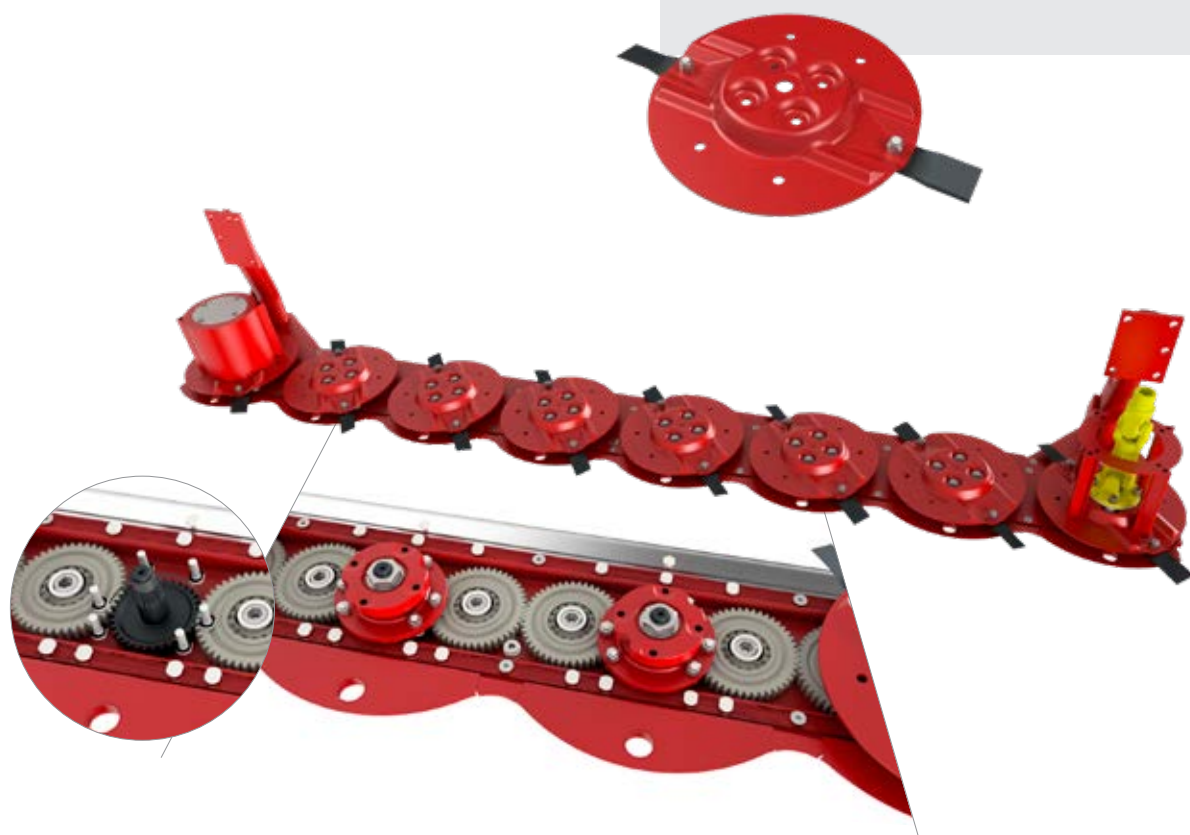
The high-performance **Razor Cut** mower group is designed with a compact, wedge-shaped profile to offer wide cutting height adjustment and optimal penetration even in tough forage, always ensuring a clean and perfect cut.

In models with **counter-rotating discs**, the product is spread and widened, thanks to discs rotating toward each other in pairs.

ROUND DISC

Reduces impact area and better disperses shocks, preserving the mechanics of the entire mower group and **ensuring high cutting quality**.

The **129 mm knives provide perfect overlap and longer durability**: they do not work through the full disc rotation, but enter protection under the adjacent disc once cutting is complete, avoiding unnecessary work and keeping the cut product intact. The system requires less power and allows disc replacement when worn.



CLEAN CUT TECHNOLOGY

Stripe-free cutting thanks to optimal overlapping of blade trajectories.

MAIN SUPPORT “FIRST AID KIT”

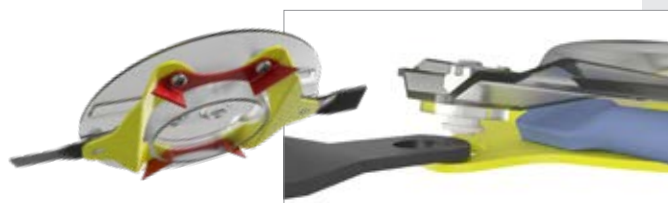
Single-block support secured with six bolts for quick inspection of the gearbox.

“C” REINFORCED COVER

Robust structure that eliminates flexing of the cutting group and prevents twisting of moving components.

WEAR PLATES

Anti-wear boron steel slides with rounded reinforcements and lower profiling to prevent material accumulation.



OPTIONAL “SAFE CUT” SAFETY SYSTEM

Protected transmission components, no wear, and quick replacement of pins. Protects discs from impacts with foreign objects, reducing downtime and repair costs.

OPTIONAL QUICK-CHANGE KNIVES

Fast knife replacement system with dedicated key, including two anti-wear scrapers for disc cleaning. Can also be installed after market.

3

EXCELLENT LIGHTNESS, STRENGTH, AND ADAPTABILITY ON ANY TERRAIN

The mower bar is connected to the arm end via a pin, ensuring **wide oscillation and exemplary terrain adaptation**. Impact protection is included as standard.

IMPACT PROTECTION

Integrated into the bar suspension and supplied as standard, it acts via a cylinder, allowing the mower to move in case of sudden obstacles.

During impacts, the machine retracts up to 1.2 meters and rises up to 40 cm, safely clearing the obstacle. Afterward, the mower automatically returns to the working position, enabling safe operation near fences and field edges.



GUARANTEED COMFORT

The new three-point frame with adjustable ground pressure, optional in hydraulic version, ensures **high comfort and attention to work**.



4

PLUS

ROBUST OIL-BATH TRANSMISSION AND PENDULUM CENTER OF GRAVITY ATTACHMENT

The primary oil-bath transmission provides reliability and continuous operation. The pendulum center-of-gravity attachment maintains constant ground pressure across the working width. **The result is a homogeneous cut, effortless operation, and precise lateral guidance in all conditions.**



SOFT ACTIVE HYDRAULIC SUSPENSION

Allows precise adjustment of ground pressure via a single cylinder, without springs. A clearly visible pressure gauge from the cabin indicates the set pressure, ensuring optimal setup, reduced lateral drift, and lower power requirement. Impact safety is guaranteed by a hydraulic cylinder on the drawbar that automatically opens the mower.





The Marangon conditioner line: efficiency, gentleness, and total control of the product.

THREE CONDITIONING SYSTEMS TO SUIT EVERY TYPE OF
FORAGE: ROLLERS, NYLON FLAILS, STEEL FLAILS.

Marangon conditioners are designed to optimize drying time while preserving forage quality, adapting to different crops and the operational needs of the user. Each model – rollers, nylon flails, or steel flails – ensures uniform conditioning, a consistent product flow, and precise control of working intensity.

Efficient transmission, intuitive adjustments, and robust construction guarantee reliable performance even under demanding conditions, improving yield, uniformity, and final crop quality.

RCG

ROLLER CONDITIONER

Thanks to its gentle conditioning, the roller conditioner is **particularly suitable for leafy forage, such as alfalfa and clover**. The sharp, spiral-grooved profile bends and crushes the stems, ensuring perfect collection of the forage from the mower bar.

GENTLE, EFFECTIVE, AND UNIFORM

The interlocking profile rollers crush the forage stems evenly, creating a soft and light windrow. The distance between the rollers is easily adjustable thanks to the upper roller with variable height and the pressure adjustable via crank on both sides; in case of foreign objects, they can deflect up to 120 mm.

The flow generated by the discs distributes the product across the entire width of the rollers, ensuring uniform conditioning. Guide plates and adjustable windrow formers allow both wide spreading and uniform windrow formation.



INTENSITY ADJUSTMENT

Conditioning intensity is **easily regulated** via the pushers on the hood. When conditioning is not required, the rollers can be fully separated. The product is then gently discharged by the drive rollers, promoting faster drying thanks to improved air passage.

RELIABLE AND LIGHTWEIGHT

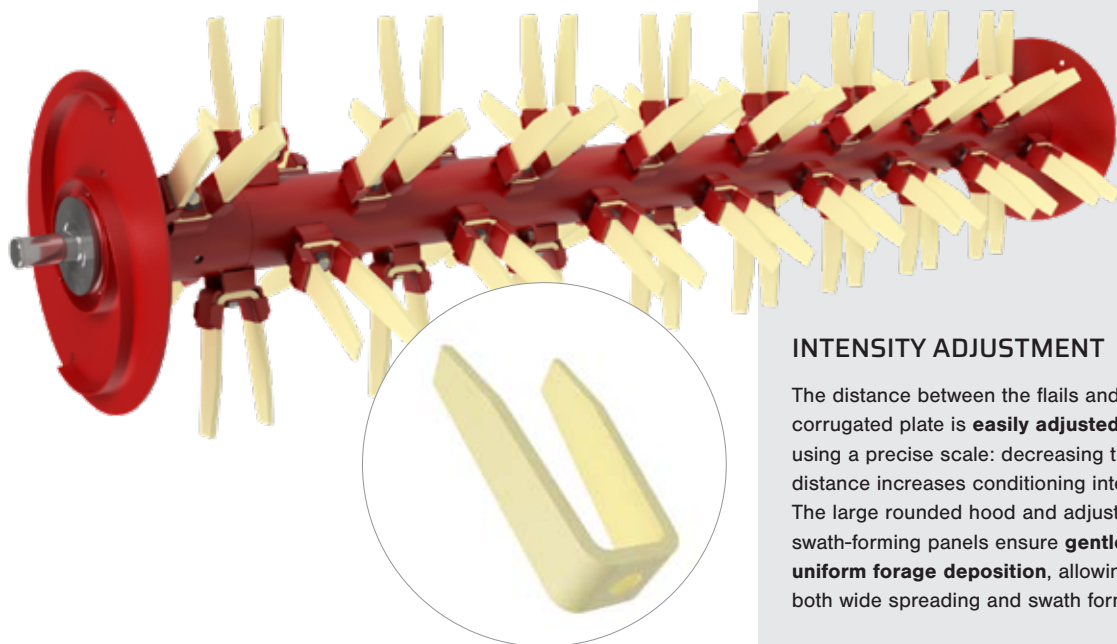
The polyurethane rollers, with an external diameter of **200 mm**, are made of sectors mounted on robust central tubes: they resist abrasion and can be individually replaced in case of wear. Power is transmitted to the lower roller via **trapezoidal belts**, while both rollers are synchronized by a **gearbox designed to work even in demanding conditions**. Centralized lubrication simplifies maintenance operations.



RCF

NYLON FLAIL CONDITIONER - RCF

V-SHAPED TEETH IN POLYURETHANE



FAST AND UNIFORM DRYING

The flails bend the forage stems, ensuring a continuous and consistent flow, ideal for speeding up drying time.

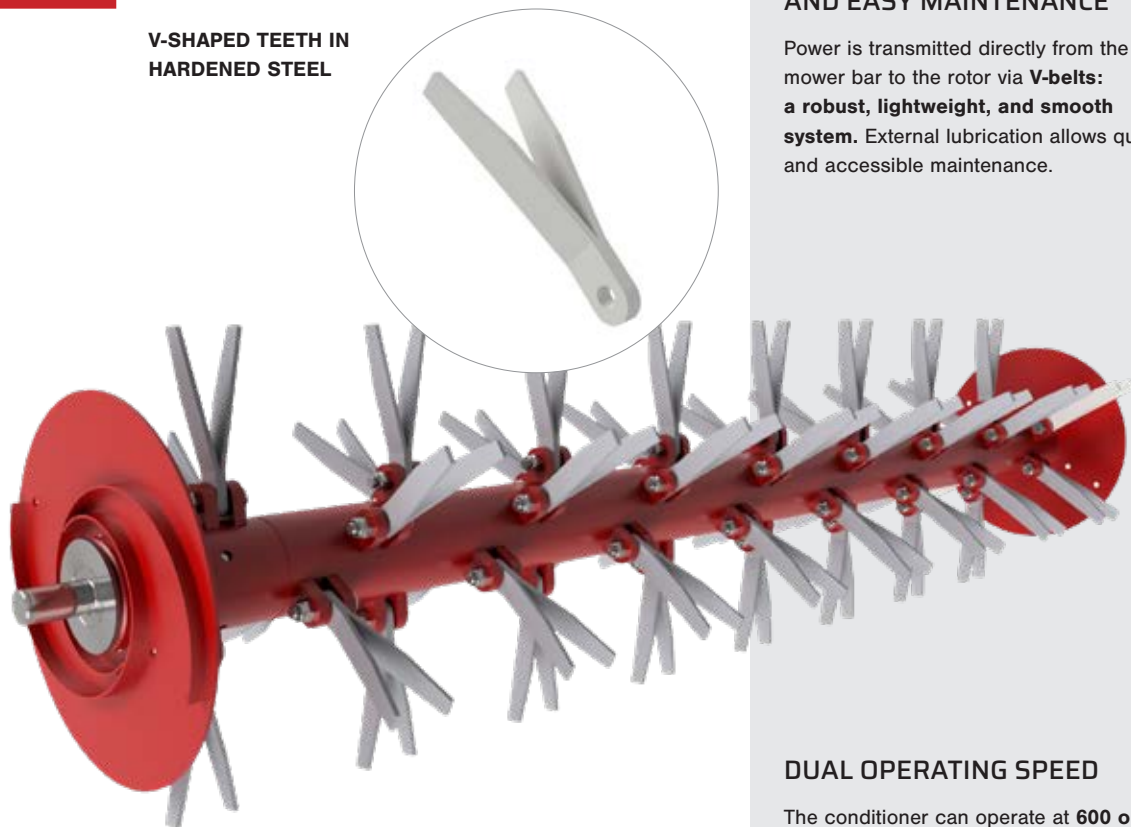
INTENSITY ADJUSTMENT

The distance between the flails and the corrugated plate is **easily adjusted** using a precise scale: decreasing the distance increases conditioning intensity. The large rounded hood and adjustable swath-forming panels ensure **gentle and uniform forage deposition**, allowing both wide spreading and swath formation.

RCFS

STEEL FLAIL CONDITIONER - RCFS

V-SHAPED TEETH IN HARDENED STEEL



EFFICIENT TRANSMISSION AND EASY MAINTENANCE

Power is transmitted directly from the mower bar to the rotor via **V-belts: a robust, lightweight, and smooth system**. External lubrication allows quick and accessible maintenance.

DUAL OPERATING SPEED

The conditioner can operate at **600 or 900 rpm**: the four belts ensure powerful drive, and by changing the pulley, it is possible to easily choose the speed most suitable for forage conditions.

MOWERS

SIDE DISC



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TECHNICAL DATA

	PENDOLARE 245	PENDOLARE 285	PENDOLARE 320
CUTTING WIDTH FT	8.04	9.30	10.50
NUMBER OF KNIVES	12	14	16
NUMBER OF DISCS	6	7	8
PTO SPEED G/'	1000 rpm std / 540 rpm on request		
CONDITIONER	rubber rollers or nylon/steel flails		
REQUIRED POWER HP/KW	65/48	75/56	80/60
REQUIRED POWER RCG HP/KW	75/56	85/64	95/71
REQUIRED POWER RCF HP/KW	70/53	80/60	90/65
REQUIRED POWER RCS HP/KW	75/56	85/64	95/71
WEIGHT LB	1.455	1.587	1.719
WEIGHT RCG LB	2.160	2.403	2.557
WEIGHT RCF LB	1.895	2.160	2.337
WEIGHT RCS LB	2.160	2.403	2.557
REAR FOLD	standard		
VERTICAL FOLD	optional		
NITROGEN SUSPENSION	optional		
"NON STOP" SAFETY	standard		

IN SUMMARY

- ✓ EXCELLENT ADAPTABILITY ON ANY TERRAIN
- ✓ PENDULUM SUSPENSION FOLLOWING TERRAIN PROFILE
- ✓ CLEAN CUT
- ✓ TOTAL VERSATILITY WITH WIDTHS FROM 2.45 TO 4.04 M
- ✓ ROBUST OIL-BATH TRANSMISSION FOR MAXIMUM RELIABILITY
- ✓ SPRING OR SOFT ACTIVE HYDRAULIC SUSPENSION
- ✓ "NON STOP" SAFETY IN CASE OF IMPACTS OR UNEXPECTED OBSTACLES

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AGRICULTURAL MACHINERY

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