



# FEEDING BELTS

Enhancing Productivity with automated Feeding Belts .

High Quality Conveyor Belts for streamlining feeding processes .

[www.agromasters.gr](http://www.agromasters.gr)



# The company

Agromasters is a leading Manufacturer & Exporter of innovative & high quality **Milking parlours, Milking automations , Feeding equipment & Manure handling systems.**

Since 1978 Agromasters has been significantly contributing worldwide in the dairy farming sector by offering custom made & technologically advanced products for cows , calfs , sheep , goats ,lams & buffaloes.

Thus Agromasters via its outstanding know - how supports daily, thousands of dairy farmers worldwide that desire to grow their business by achieving optimum milk yields & simultaneously ensuring animal welfare .

Our products' design & manufacturing take place in our facilities, thus ensuring the highest quality of our equipment.

Agromasters manufactures a comprehensive range of feeding belts designed specifically to meet the requirements of dairy farming for both sheep and goats.



# Installation

## Benefits

- **Time Savings:** Agromasters' feeding belts not only eliminate the need for manual feed distribution but also dramatically reduce feeding time, resulting in significant time savings.
- **Labor Efficiency:** Automating the feeding process eradicates the need for manual intervention, allowing to allocate farm workers to other critical tasks , such animal care , health monitoring and farm maintenance.
- **Space savings.** Designed to maximize the efficient use of available space by moving feed vertically , optimizing barn layout.
- **Cost savings & Reduced waste:** Feeding belt minimizes feed wastage by controlling the portion sizes and preventing spillage, ultimately saving on feed costs.
- **Customization:** Designed to accommodate different types of feed and adjust feeding quantities based on the specific nutritional needs of your animals.
- **Increased productivity:** When goats are well fed and their nutrition needs are met, they are more likely to exhibit good growth rates and reproductive performance, potentially increasing farm productivity.
- **Health Management:** Consistent and controlled feeding can contribute to better overall health in sheep and goats, reducing the risk of over-eating or under-feeding which can lead to various health issues.
- **Enhanced Work Comfort:** Feeding takes place at a fixed position, offering greater comfort for farm workers.
- **Easy Barn Configuration:** Feeding belts allow for convenient grouping of animals in batches, simplifying barn configuration and management.



# Feed Distribution Process

- 1 Securing Access:** Before initiating the loading operation, it's essential to ensure that the movable frames are securely closed. This restriction prevents animals from accessing the feed prematurely.
- 2 Loading Food:** The feeding belt system begins by loading animal feed onto the belt. This can be done manually , through a Feed Mixer Wagon or Feed Conveying System, depending on the specific design of the system.
- 3 Adjusting Belt Speed:** The speed of the belt can be adjusted using an inverter. This adjustment is typically based on the amount of food required for the animals. Slower speeds may be used for more precise or measured feeding, while faster speeds can be employed for larger quantities.
- 4 Uniform Distribution:** As the conveyor belt moves, it efficiently conveys the feed from the loading point to the designated feeding area within the barn. The continuous motion of the belt guarantees the uniform distribution of the feed. Furthermore, the system automatically ceases operation upon reaching the opposite end
- 5 Feeding Time:** When it's time to feed the animals, the movable frames within the stall open, allowing access to the feeding belt. Animals can then approach and consume the feed.
- 6 Closing Access:** Once the designated feeding time elapses, the movable frames within the stall manually close, effectively preventing any further access to the feeding belt. This deliberate action serves as a safeguard, preventing animals from overeating or accessing the feed at unauthorized times, thus promoting their dietary control.
- 7 Return to Initial Position:** Subsequently, the conveyor belt returns to its initial position, ready to be reloaded for the next feeding cycle.



# Feeding Belt Main Components

- **Column Supports** - 1 support every 3 meters.
- **Intermediate Supports** - 2 supports every 3 meters.
- **Stall Varieties** - A selection of five distinct stall types.
- **Feed Receiver** - Equipped with a craft for residue collection.
- **Drive Unit** - 1,1 kW worm gear unit.
- **Chain** - Made of 8 mm metal
- **Belt** - Made of PVC & special frabric
- **Side cover** - Made of OSB
- **Flooring** - Made of 2 mm PVC
- **Control System** - Electrical control panel with inverter for belt speed adjustment.

Example:

## Nemesis Feeding Belt Main Components



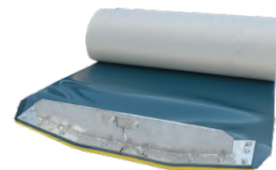
Columns  
Supports



Intermediate  
Supports



Feed Receiver

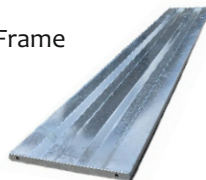


Belt



Electrical  
Panel

Barrier Frame



Flooring



Drive Unit



Chain



Barrier  
Mechanism



SS Wire Rope



Side Cover

# Stall Variety & Key Features



Rectangular-shaped frames with mass head locking mechanism



Internal Circular-shaped frames with mass head locking mechanism



Single open-access frames



Movable Barriers driven by stainless steel wire rope



Circular-shaped frames with Individual Head locks

**Stall Variety:** We provide five distinct feeding belt varieties, primarily differentiated by their stall designs. Each one is meticulously designed to cater specifically to the needs of sheep, goats or the specific operations within the barn.

**Robust Build:** Our feeding belts are engineered with an unwavering dedication to durability. They are crafted using Square Hollow Sections **SHS** for effortless dismantling and reassembly complemented with premium quality components.

**Length Options:** Available in lengths ranging from 20 to 100 meters.

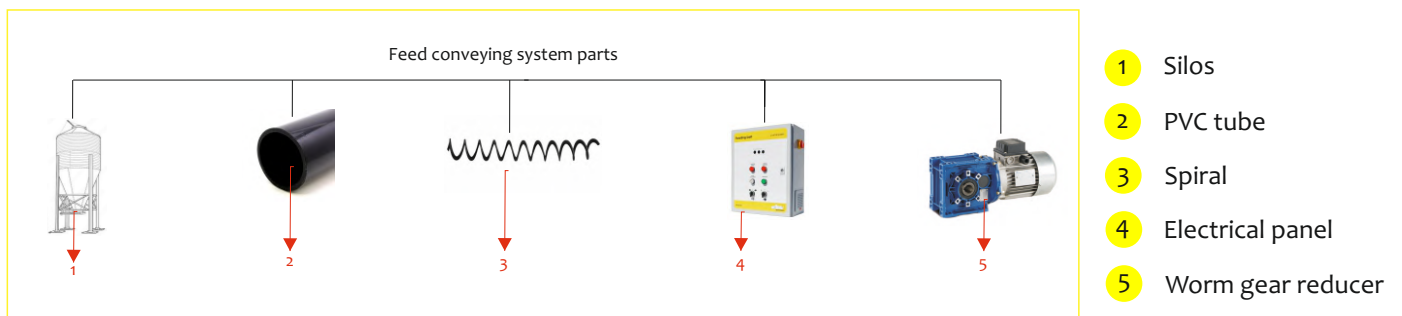
**Width:** 0.8 meters

**Capacity:** Each meter accommodates 6 animals.

# Feed Conveying System



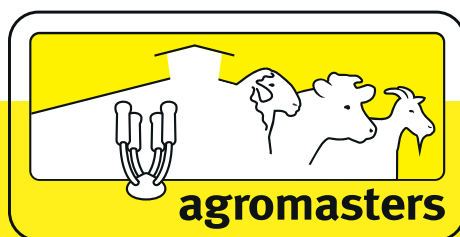
Agromasters manufactures feed conveying systems designed to optimize the management of loading/unloading operations & transport of various types of feed to the feeding belt.



# Pictures







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