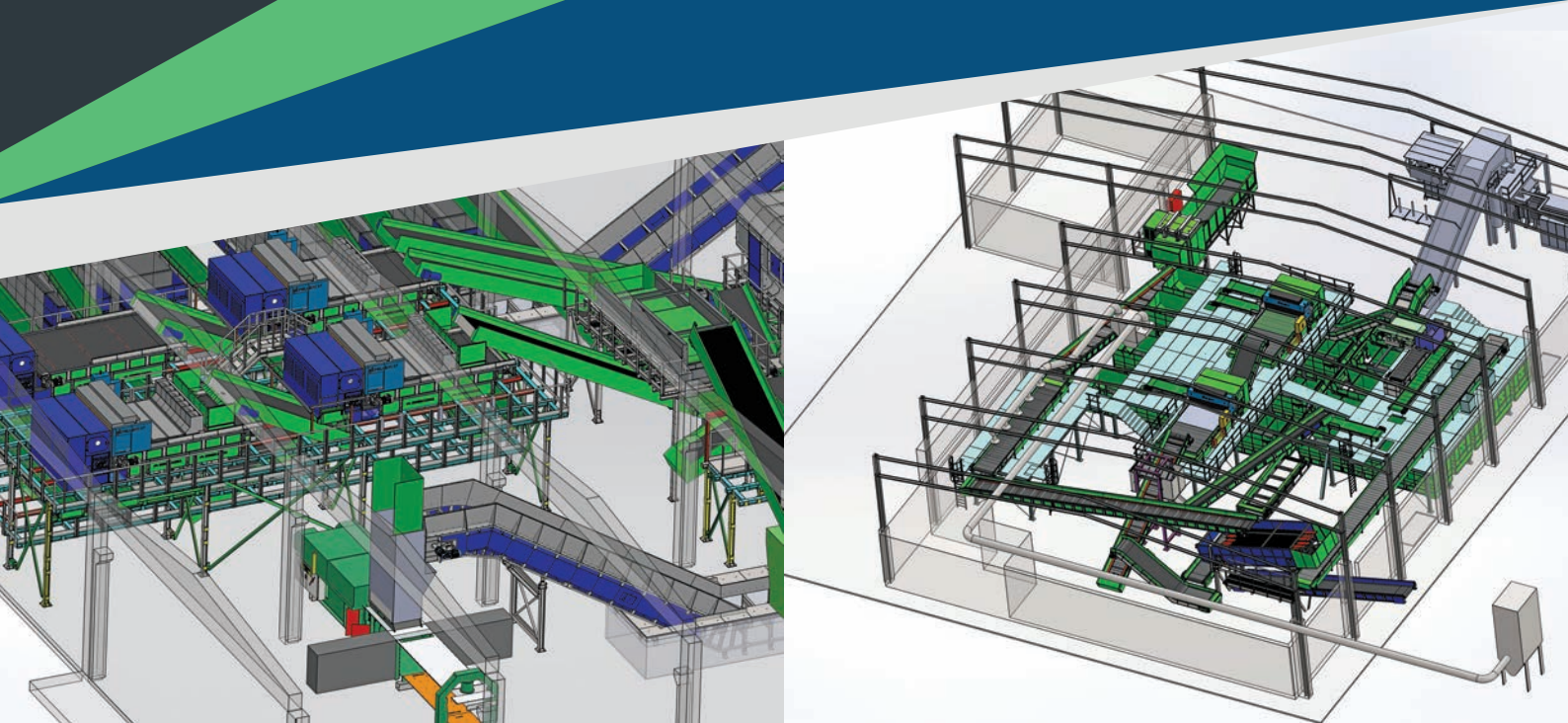


Waste Sorting Plants



 **SIDERCAMMA**



OUR PLANTS



Sorting Plants for Packagin

RDF Production Plants

Municipal Solid Waste

CC and CSS COREPLA Plants

Composting Plants

Waste Transfer Stations

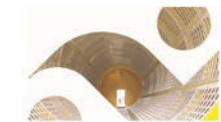
Volumetric Reduction Plants

Air Treatment Plants

OUR PRODUCTS



Bag Opener



Trommel Screen



Ballistic separator



Disc Screen



Rubber Conveyor Belts



Chain Conveyor



Bag Opener: Standard Technical Features

		APM1300E	APM1300I	APM1700E	APM1700I
Number of rollers	n°	1	1	1	1
Loading belt width	mm	1.500	1.500	1.900	1.900
Loading belt length	mm	variable	variable	variable	variable
Volume with 7m buffer	m ³	15	15	20	20
Hourly throughput with material 100 kg/m ³	t/h	5	5	8/9	8/9
Roller width	mm	1.300	1.300	1.700	1.700
Roller diameter	mm	800	800	800	800
Max roller speed	rpm	30	30	30	30
Installed power	kW	18,5	18,5	30	30
Transmission		elettric	hydraulic	elettric	hydraulic
Approximate weight	kg	approx. 15.000	approx. 15.000	approx. 18.000	approx. 18.000

The bag opener is an innovative and specific machine that allows the opening and emptying of bags containing material, avoiding the shredding of the introduced waste and keeping the content intact, in order to facilitate the subsequent sorting phases. Moreover, it is designed to dose the material consistently.

How it works

The bag opening action occurs thanks to the interaction generated between the teeth of the roller and a comb. A hydraulic anti-jamming system is provided, consisting of a comb lifting system that automatically intervenes in case of tough material that might get stuck in the mechanism, preventing the correct opening of the bags.

There is also a cleaner which, automatically through programming with the onboard PLC, lowers until it is close to the roller and starts cleaning the roller.

Structure

The bag opener unit consists of a central body made of steel profiles, closed on three sides, inside which the toothed roller is positioned.

The toothed roller is directly driven by a hydraulic or electric motor.

The hydraulic unit is controlled by a touchscreen PLC.

The machine features an accumulation buffer, fed by a grab crane, mechanical shovel, or similar machines. The material is pushed towards the bag opener roller thanks to the action of a rubber-coated slat conveyor belt.





Trommel Screen

The screening drum is made of steel beams welded together to form a robust basket. The screening surface is made of perforated galvanized steel plates, bolted to allow easy replacement.

The drum is mounted on a reinforced steel structure designed to withstand stresses caused by the load.

The drum rotates on wheels coated with high-resistance plastic. Two electric motors drive it through an epicyclic gearbox.

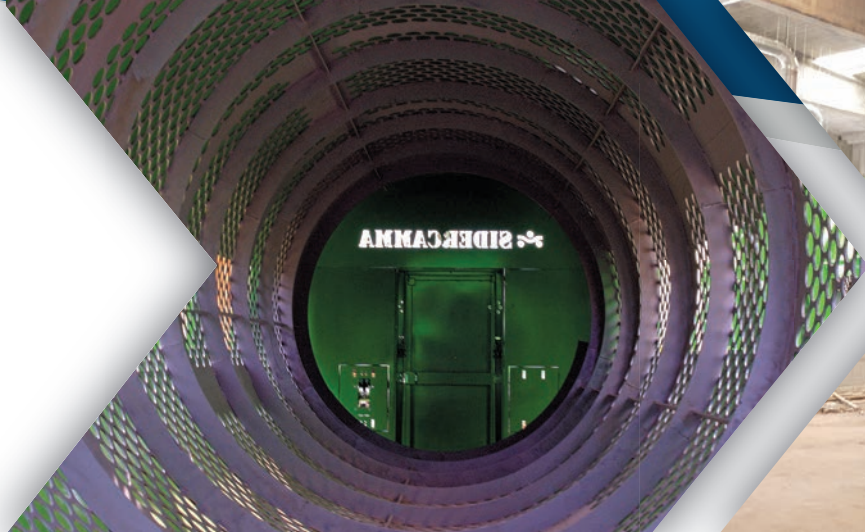
The transmission components are protected by a safety enclosure made of perforated sheets.

The rotation speed is adjustable via an inverter.

Main Applications:

- Separation of organic fraction from mixed municipal solid waste (MSW)
- Removal of fine particles from separately collected waste
- Compost refining
- Separation of fine fractions from special waste
- Classification of materials based on size





Versioni standard

	3100 x 15500	2000 x 12000	2900 x 10000	2500 x 10000	2500 x 8000	2500 x 6000	2000 x 6000	2000 x 4000
Useful length (mm)	15500	12000	10000	10000	8000	6000	6000	4000
Total length (mm)	19500	16000	5000	14000	12000	10000	8500	6500
Internal diameter (mm)	3100	2900	2900	2500	2500	2500	2000	2000
Overall width (mm)	4100	3900	3900	3500	3500	3500	3000	3000
Number of wheels	6	4	4	4	4	4	4	4

Other versions are available upon request.

Optional Equipment:

- Inclination adjustment system
- Stairs and walkways
- Multiple screening stages
- Internal paddles, spirals or lifters inside the drum





Rubber Conveyor Belts

Versatility and Reliability

Rubber conveyor belts are designed for handling heterogeneous materials, including wet materials. They offer excellent grip and ensure continuous operation in a wide range of operating conditions.

Modular Structure

The robust frame, with integrated side walls, ensures stability and structural strength. The modular configuration allows the conveyor to be easily adapted to new layout requirements or different lengths.

Simplified Maintenance

Designed to facilitate cleaning and maintenance operations, they help reduce downtime and ensure higher operational efficiency.

High-Quality Materials

The rubber belt, available in different types, is durable and suitable for various material types, ensuring long service life and reliable performance over time.





Temporary Storage

Used as true material accumulation buffers, they allow optimal management of feeding flows. Thanks to automation, they supply the conveyors feeding the baler, ensuring steady operation and maximum efficiency of the working cycle. Ideal for storage and internal logistics.





Chain Conveyors

Strength and Reliability

Chain conveyors are the ideal solution for handling very heavy, rigid or sharp waste materials. Thanks to their high tensile strength, they do not risk breakage or dangerous elongation during operation. They are particularly suitable for handling heavy loads and inclines greater than 25°.

Versatility of Coverings

The material is conveyed on robust steel plates which, depending on operational requirements and the type of waste, can be covered with a rubber belt to increase grip and protection.

Modular Structure

The frame, made of electro-welded and bolted carbon steel profiles, forms a stable and durable self-supporting structure. The modular configuration allows the conveyor length to be easily adapted, both increased and reduced, according to new plant requirements.





High-Resistance Components

Sliding guides: made of Hardox 400, interchangeable and bolted to ensure long service life and ease of replacement.

Drive chain: made of hardened steel, sized to withstand high loads and pressures, with automatic lubrication via nozzles connected to tanks on both sides.

Easy maintenance: access to the chain is facilitated by the quick removal of protective guards, available along the entire length of the conveyor.

Available Widths (mm)	800	1000	1200	1400	1600	1800	2000
Chain Pitch (mm) 63	800	1000	1200				
Chain Pitch (mm) 100		1000	1200	1400			
Chain Pitch (mm) 125		1000	1200	1400	1600		
Chain Pitch (mm) 200			1200	1400	1600	1800	2000





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