



PRODUCTS CATALOGUE

ENGLISH
VERSION

Balistic separator
Trommel screen
Conveyor belt
Dosing system
Vibrating feeders
Bag-opener
Induced current

TABLE OF CONTENTS

Philosophy	p. 3
Balistic separator	p. 4
Balistic separator AQ-SB	p. 6
Trommel screens	p. 8
Conveyor belts	p. 12
Rubber conveyor belts AQ-G	p. 16
Slat conveyor belts AQ-T	p. 18
PVC conveyor belts AQ-P	p. 20
Redler conveyor belts AQ-T	p. 22
Dosing system	p. 24
Vibrating feeders	p. 26
Vibrating feeders AQ-AV	p. 28
Bag-opener	p. 30
Bag-opener AQ-APR	p. 32
Induced currents	p. 34
Induced currents AQ-SMNF	p. 36
Contacts	p. 38

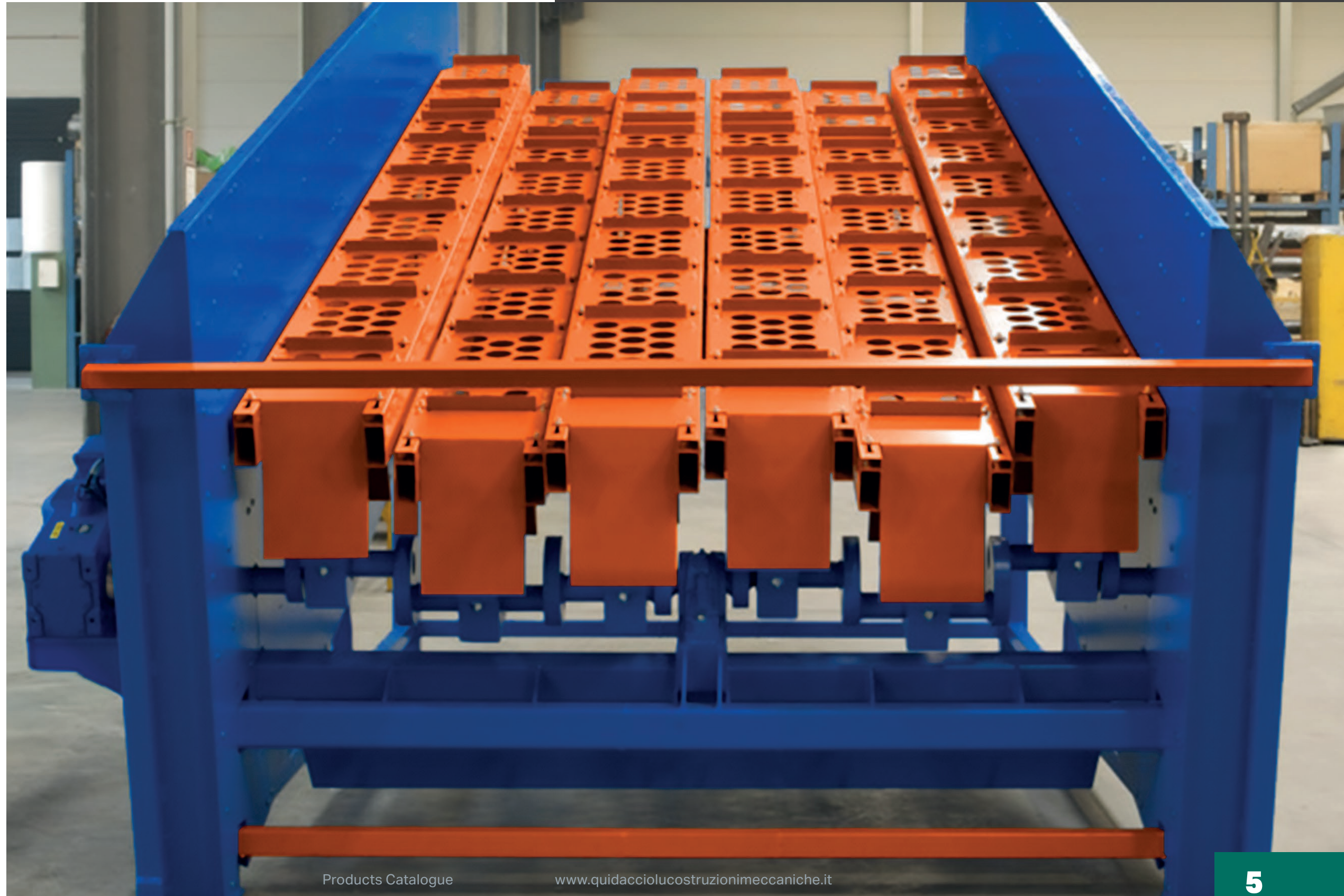
PHILOSOPHY

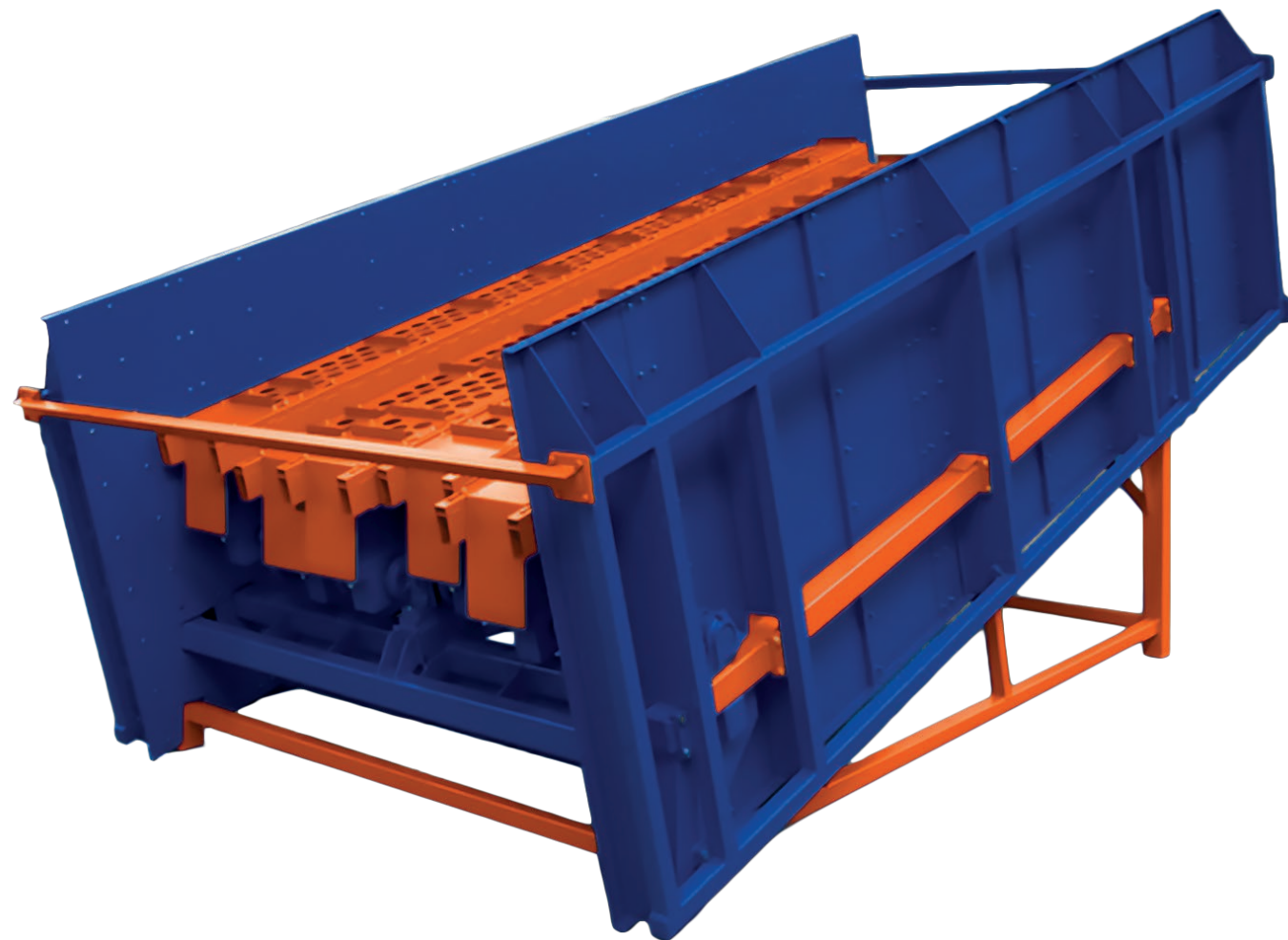
Founded in 1989 by Angelo Quidacciolu, the company was set up to offer technological solutions in the cork processing sector, enhancing the excellence of the Sardinian territory. As the market changed, the company successfully reconverted, specialising in the design and production of conveyor belts and plants for the automated selection and recycling of materials.

Internationally recognised, the company stands out for its "Made in Italy" quality and high level of applied engineering, offering tailor-made, customer-oriented solutions. Continuity is guaranteed by the second generation, which today actively contributes to the company's growth, with an eye on innovation and sustainability.

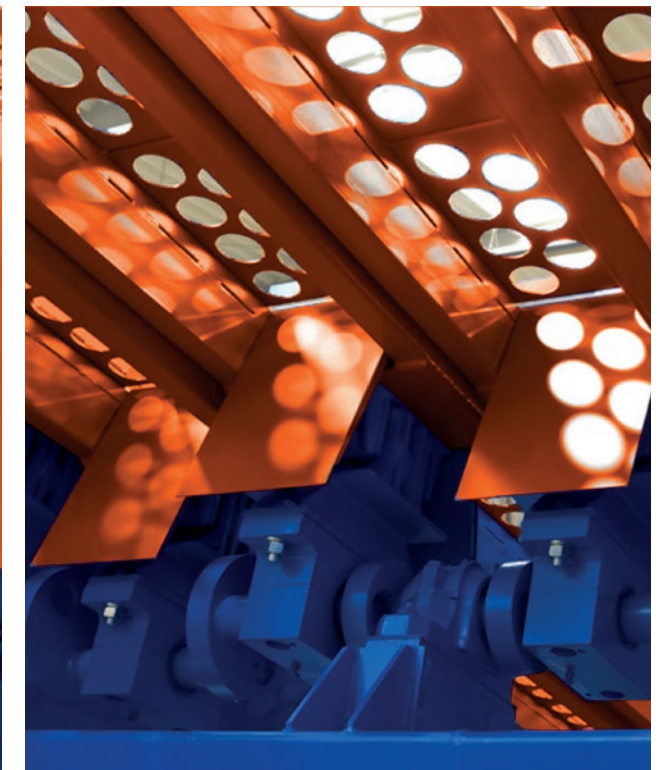
BALISTIC SEPARATOR

The ballistic separator is equipped with a tilting frame with an adjustable angle to avoid tilting the entire machine and adjusting the conveyor belt, thus reducing time and costs. The frame is extremely robust and dirt-resistant, with screw-on grids that can be easily replaced in the event of wear. It also guarantees high energy efficiency and offers ample and accessible space for easy maintenance, both above and below the work surface.





Balistic Separator AQ-SB



Tilting frame

Equipped with mechanical tilt adjustment from 7.5° to 25°, the frame allows for simple and effective optimisation of separation quality

Screening surface

Screw-on screens available in different sizes and surfaces, designed for easy adjustment and maintenance. Particularly robustly designed frame, ideal for processing medium and heavy material flows.

Easy maintenance and adjustments

Easy access to all operating areas of the machine, guaranteed by special maintenance doors.

Shaft quality

Highly robust shafts, also suitable for handling wet waste. Optimum stroke and speed design to ensure maximum productivity and minimum vibration.

Adjustable external surface

Designed to optimise the feeding system and ensure perfect integration within the plant.

Models

AQ-SB

Length x Width x Height ¹

6,0 x 3,0 x 2,8 m

Motor power

2 x 18,5 kW

Number of blades

6

Screen area

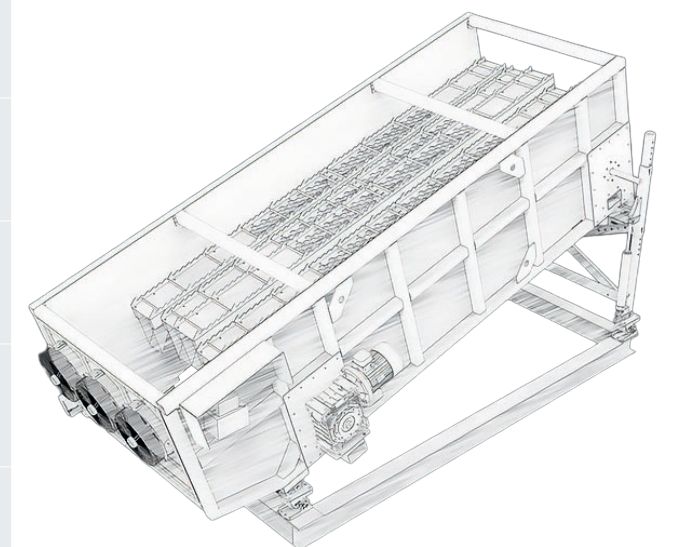
14,2 m²

Weight

15 t

Capacity ²

200 to 240 m³/h depending on the screening hole and type of material

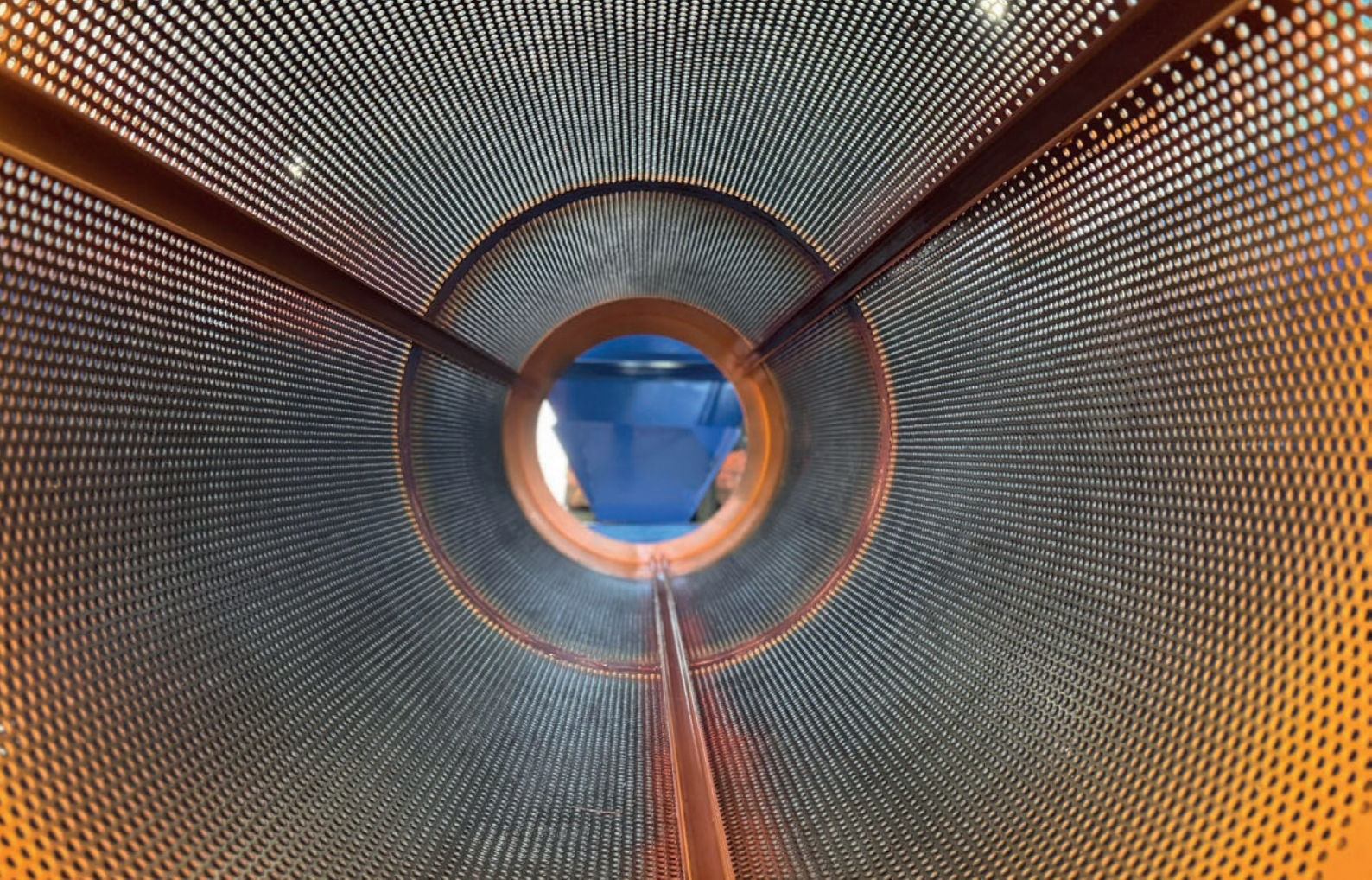


¹ Configurations with customisable dimensions are available to suit specific operational requirements.
² The values given represent reference data, which may vary depending on the size distribution of the material, the characteristics of the screening apertures and the overall composition of the material itself. The actual performance can be determined precisely through specific tests.

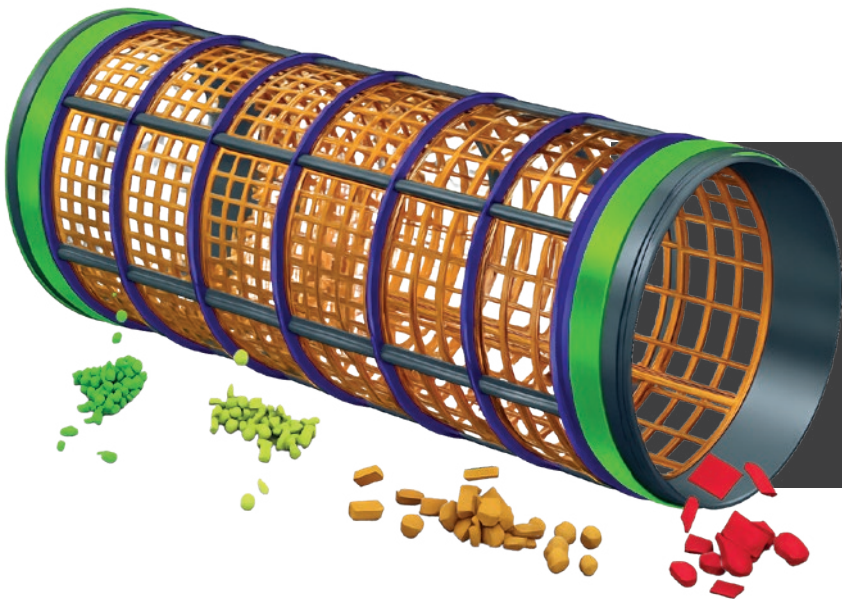
TROMMEL SCREENS

*Quidacciolu Costruzioni
Meccaniche's trommel screens*
are the result of decades
of experience in designing
and implementing advanced
mechanical solutions.





Trommel screens



Separation of material according to size and removal of agglomerates.

The ideal solution for precise sorting

Designed to meet the demands of increasingly precise and efficient sorting, the trommel screens of *Quidacciolu Costruzioni Meccaniche* allow the fine fraction (under screen) to be separated from the large fraction (over screen), thus facilitating all subsequent material processing steps. Thanks to their robust construction and attention to every technical detail, the screens guarantee accurate separation of the material in different grain sizes, optimising the subsequent processing steps. The high reliability and construction quality, combined with the continuous research and innovation that characterise the company, make these plants a strategic choice for those seeking high performance and operational continuity.

Base frame	Robust design for quiet operation and durability of critical components.
Drive	The drive, support and guide wheels are polyurethane-coated, ensuring quiet, low-vibration operation even when operating at high speeds.
Separation	Grids with holes of different shapes and sizes are available, equipped with special anti-wrap guards.
Serviceability	Trommel screens are equipped with wide walkways, plenty of access for maintenance, large monitored safety doors and internal lighting.
Transport	Trommel screens are also available in a bolt-on version, designed to facilitate transport and assembly of large models.

Trommel screens consist of modular sections, which can be assembled into more than 30 different configurations. The screening length can be extended up to 25 metres by directly combining two units. The table below provides an overview of the most commonly used lengths and diameters.

Trommel screen cylinder	3.000 x 12.000	3.000 x 10.000	2.500 x 14.000	2.500 x 12.000	2.500 x 10.000	2.500 x 8.000	2.500 x 6.000	1.800 x 5.000
Overall length (mm)	16.450	14.345	19.740	16.893	14.893	12.570	10.492	9.144
Screen length (mm)	12.005	10.000	6.992 + 6.992	12.000	10.000	8.000	6.000	5.000
Screen diameter (mm)	3.000	3.000	2.500	2.500	2.500	2.500	2.500	1.800
Overall width (mm)	4.350	4.350	3.800	3.750	3.750	3.750	3.400	2.450
Overall height (mm)	3.727	3.727	3.661	3.663	3.663	3.664	3.640	2.790
Weight (t)	35	33	18 + 18,5	27	24	21,7	16,2	10,3
Tilt (°)	3°	3°	3°	3°	3°	3°	3°	3°
Capacity (m³/h)	161	135	161	135	112	90	67	56



CONVEYOR BELTS

Designed with the utmost attention to detail to offer maximum flexibility. These systems feature a high-quality, torsion-resistant, heavy-gauge press-folded sheet metal frame construction. The modular design ensures maximum freedom in configuration and integration within separation systems.

Overview

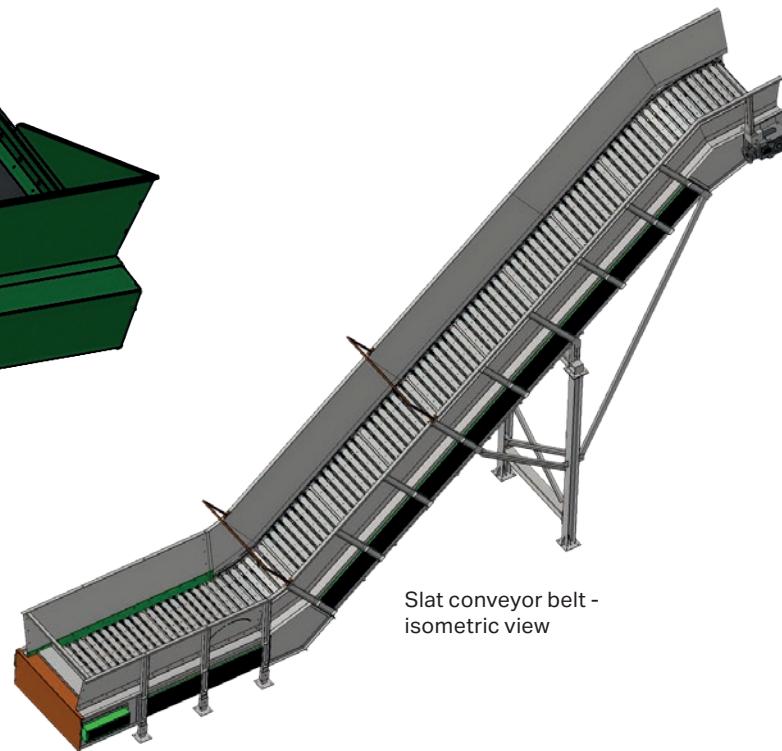
Conveyor Belts

Pioneering, in the truest sense of the word

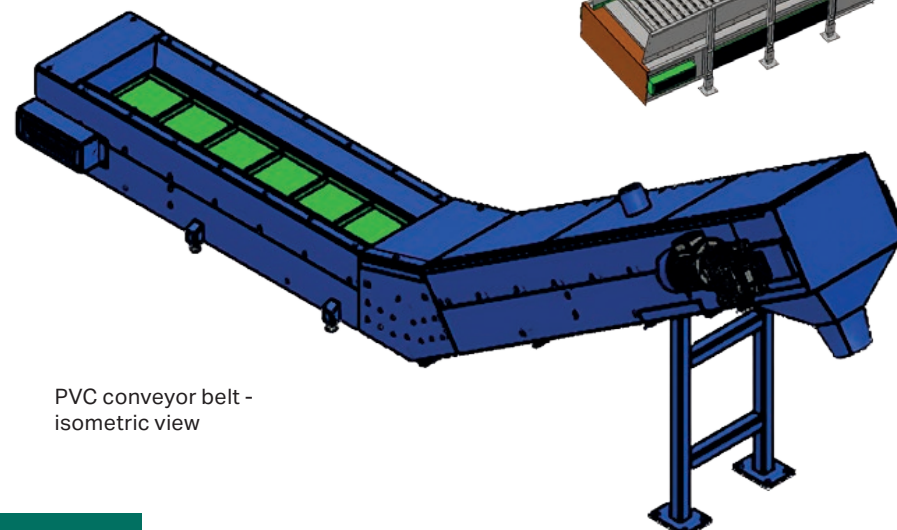
Conveyor belts from Quidacciolu Costruzioni Meccaniche are distinguished by their versatility and ability to adapt to any application and conditions, thanks to a highly flexible modular design.



Rubber conveyor belt - isometric view



Slat conveyor belt - isometric view



PVC conveyor belt - isometric view



This modular solution offers numerous advantages: quick assembly directly on site, reduced transport costs and a small footprint due to compact packaging dimensions. The belts are available with different belt widths and side rails in different heights. The length is customisable, allowing for a tailor-made configuration.

The conveyor technology is designed to maximise efficiency and optimise overall plant operation. The integration of special components, such as separating drums, mobile structures and diverting flaps, allows for maximum plant flexibility. These elements are ideal for splitting material flows over several processing lines and facilitating their distribution to subsequent machines or belts.



Rubber conveyor belts from *Quidacciolu Costruzioni Meccaniche* are the ideal solution for transporting different types of materials and products.

Modular

Allows the conveyor belt frame to be easily lengthened or shortened, adapting it to different operational requirements.

Easy maintenance

The entire conveyor belt is made with special bolts, which can be easily dismantled, allowing for quick and easy maintenance, thus guaranteeing maximum efficiency.

Energy efficiency

Quidacciolu Costruzioni Meccaniche has developed conveyor belts with motors ranging from 0.75 to 30 kW, combining high performance with optimised consumption. Thanks to the Plug & Play system (connect and use), installation and start-up are simple and immediate.

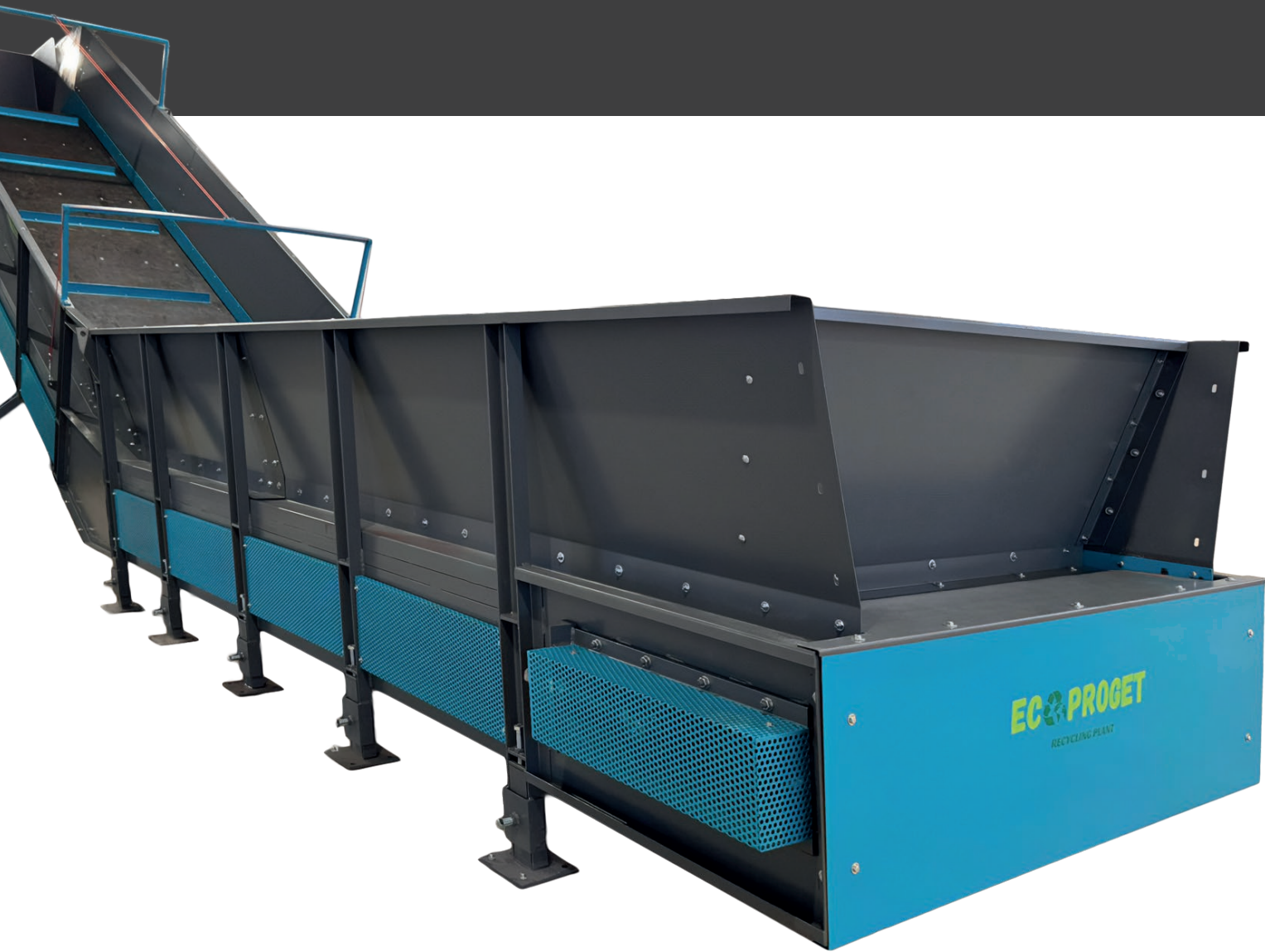
Rubber conveyor belts AQ-G



Rubber type	Resistance type
Smooth	Flame Resistant
Striped	Oil Resistant
Fishbone	Cut Resistant
Striped + Spondaflex	Sliding



Interaxis	up to 250 m with a mat width of 400 / 600 / 800 / 1000 mm, up to 25 / 30 m with a mat width of 2400 mm
Carpet widths (mm)	400, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000, 2400
Drum diameter (mm)	220, 240, 260, 300, 320, 340, 360
Carpet model	AQ-G / AQ-GL / AQ-GSP
Material transported	Plastic, glass, paper/cardboard, MSW, compost, tyres, aggregates/construction, aluminium/cans, steel, sand, clay, wood



The slat solutions of *Quidacciolu Costruzioni Meccaniche* are distinguished by their ability to adapt to the transport of various products, guaranteeing efficiency and reliability.

Resistance

Frame completely made of thick "U" iron, this allows for a very long life span and greater resistance.

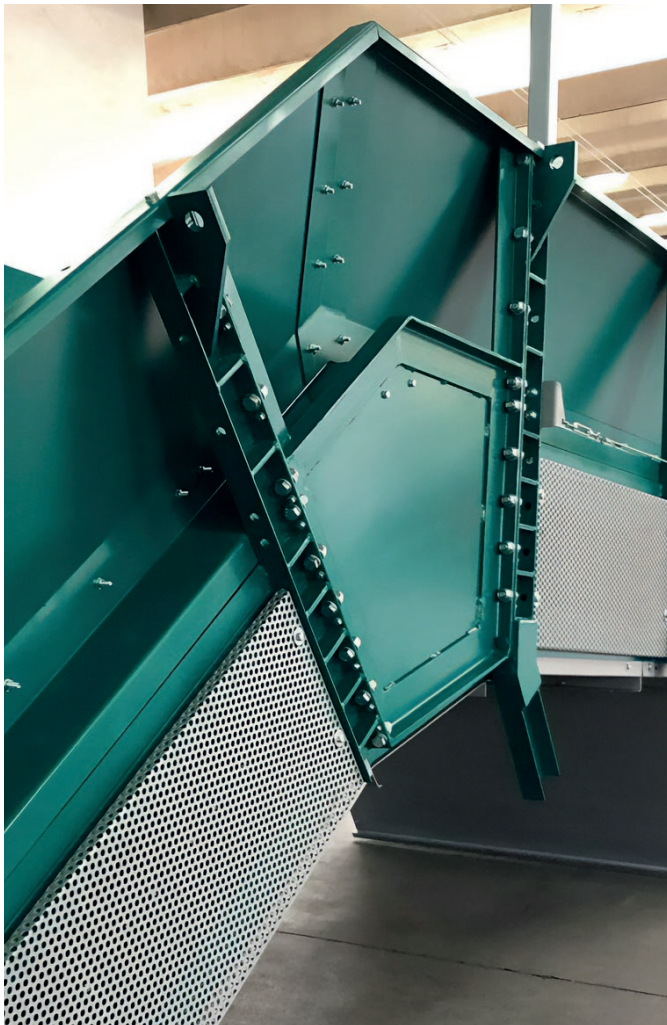
Easy maintenance

All slat conveyor belts are made with robust carpentry, designed to be easily disassembled and facilitate any maintenance work.

Production efficiency

Quidacciolu Costruzioni Meccaniche has designed slat conveyors specifically for transporting bulky and heavy products, guaranteeing high performance and reliability over time.

Slat conveyor belts AQ-T



Slat type	Resistance type
Iron slat	PS 100
Stainless steel slat	PS 125
Slat + rubber	PS 200



Interaxis

up to 140 m with a mat width of 400 / 600 / 800 / 1000 / 1200 / 1400 mm, up to 75 m with a mat width of 2200 mm

Chain pitch (m)

75, 125, 160, 200, 250, 300

Carpet width (mm)

400, 600, 800, 1000, 1200, 1400, 1500, 1600, 1800, 2000, 2200

Carpet model

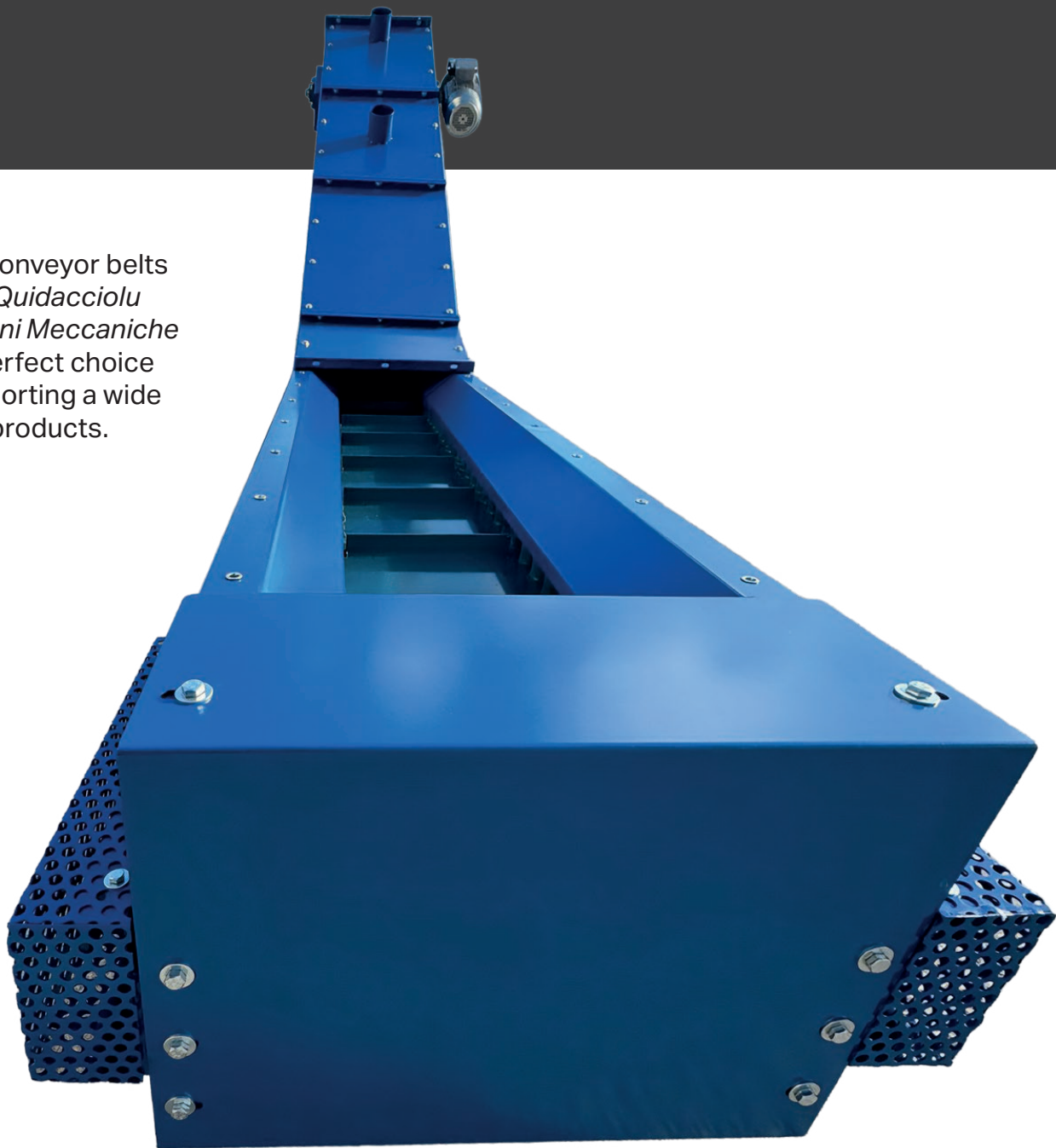
AQ-T / AQ-TG

Material transported

Plastic, wood, paper/cardboard, MSW, aluminium/cans, tyres, steel mills, multi-material

PVC Conveyor Belts AQ-P

PVC/PU conveyor belts made by *Quidacciolu Costruzioni Meccaniche* are the perfect choice for transporting a wide range of products.



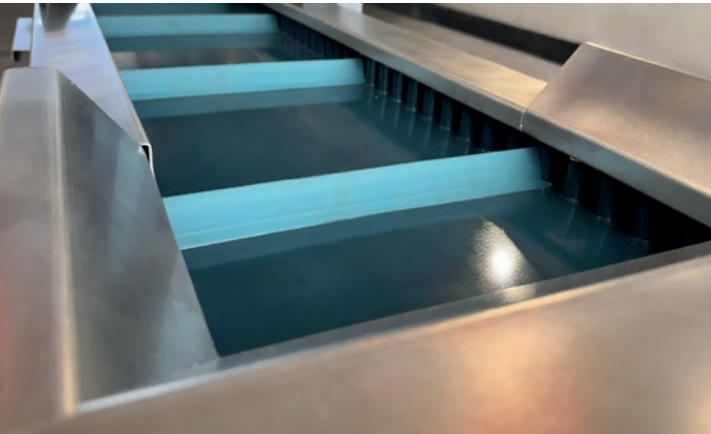
Modular It allows the conveyor belt structure to be extended or reduced as required.

Easy maintenance The conveyor belt is constructed with a specific bolting that facilitates its disassembly for any maintenance operation.

Production efficiency Quidacciolu Costruzioni Meccaniche has developed both double inclined and linear conveyors, improving production capacity and integrating an easy-to-use system called Plug & Play.



PVC/PU type	Resistance type
Smooth	Flame Resistant
Striped	Oil Resistant
Fishbone	Honeycomb
Striped + Spondaflex	Sliding



Interaxis up to 250 m with a mat width of 400 / 600 / 800 / 1000 mm, up to 25 / 30 m with a mat width of 2400 mm

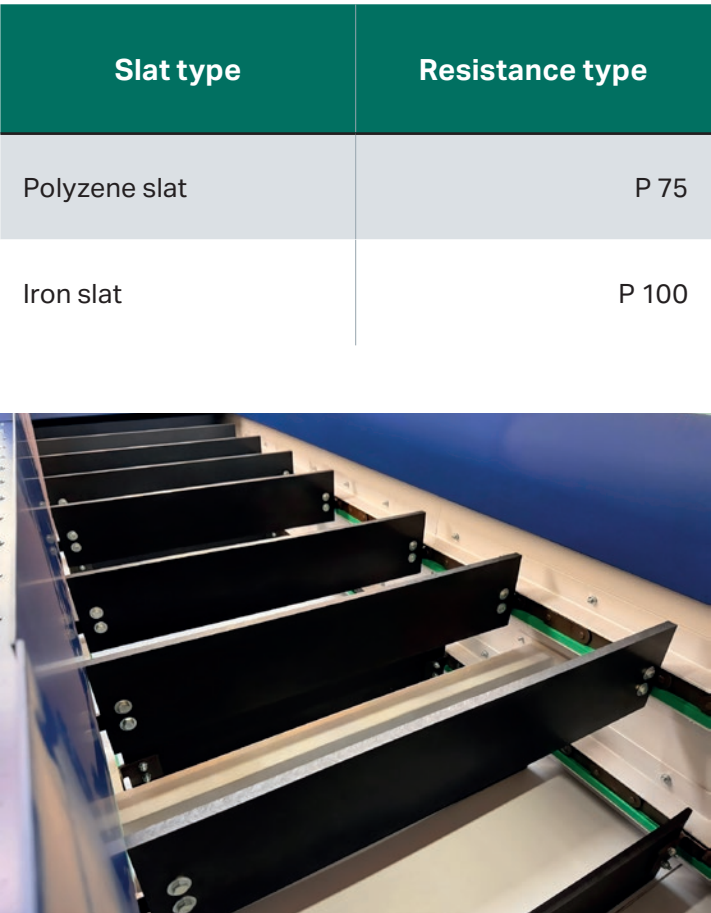
Carpet widths (mm) 400, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000

Drum diameter (mm) 100, 120, 140, 160

Carpet model AQ-P / AQ-PL / AQ-PSP

Material transported Plastic, wood, paper/cardboard, cork, compost, tyres, steel mills, aluminium/cans, food, pellets

Redler conveyor belts made by *Quidacciolu Costruzioni Meccaniche* are ideal for transporting a wide range of products.



Slat type	Resistance type
Polyzene slat	P 75
Iron slat	P 100

Interaxis	Up to 200 m
Carpet widths (mm)	400, 600, 800, 1000, 1200, 1400
Chain pitch (m)	75, 100, 125, 150
Carpet model	AQ-TR
Material transported	Plastic, wood, MSW, CSS, compost, pellets, multimaterial
Type of tape background	HARDOX or Anti-Wear

- Modular

It allows the conveyor belt structure to be extended or reduced as required.
- Easy maintenance

The conveyor belt is constructed with a specific bolting that facilitates its disassembly for any maintenance operation.
- Production efficiency

Quidacciolu Costruzioni Meccaniche has developed both double inclined and linear conveyors, improving production capacity and integrating an easy-to-use system called Plug & Play.



The material is mixed and dosed evenly, ensuring a continuous and regular supply to the system.

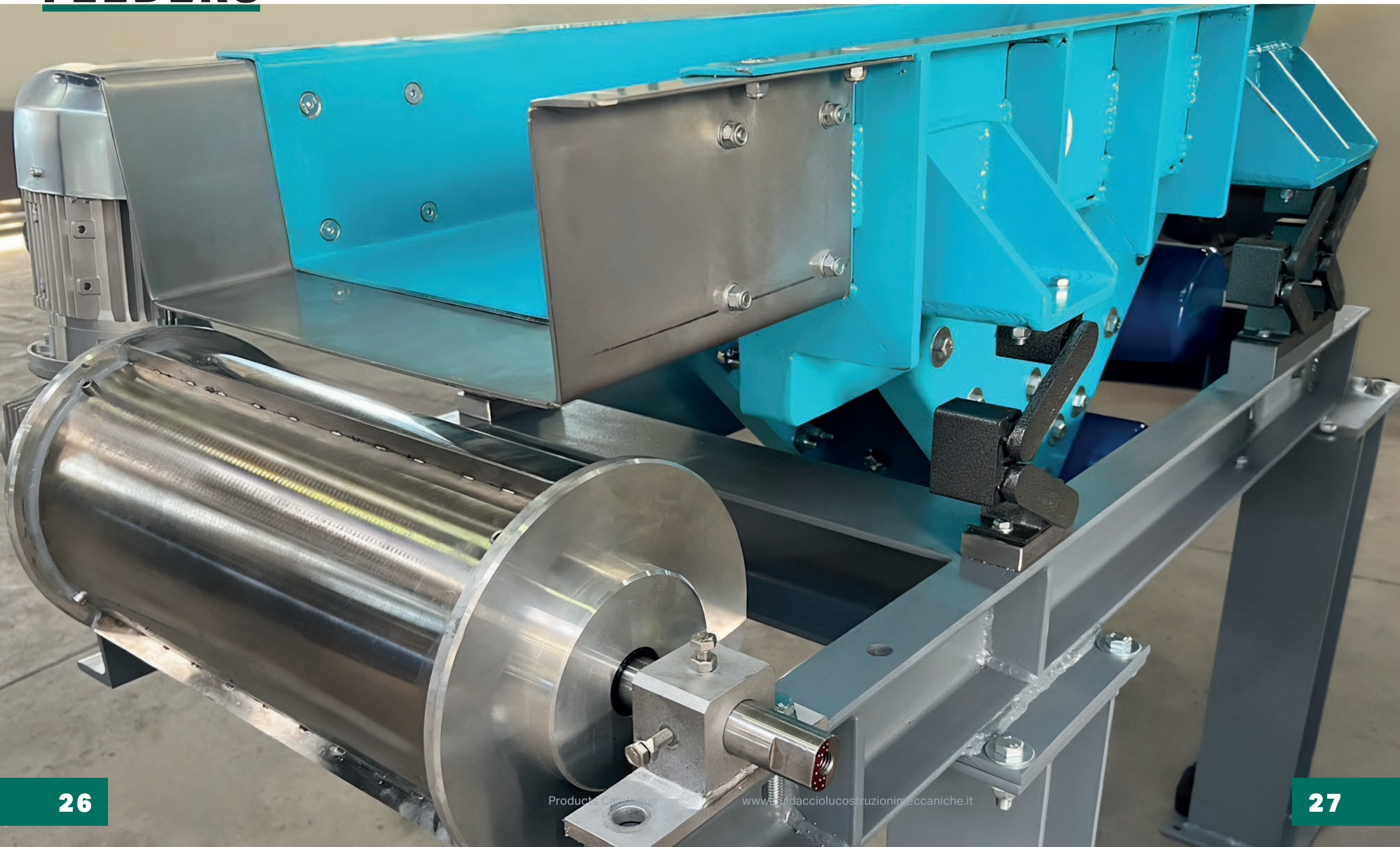
Main features:

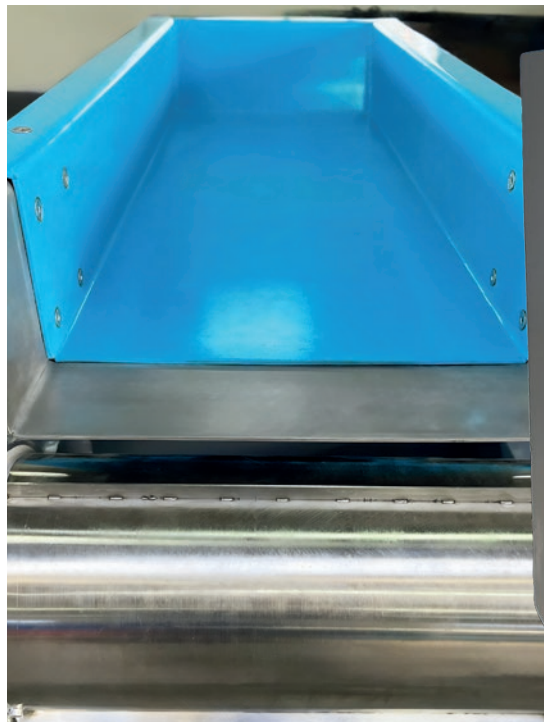
- The system consists of the dosing drum, combined with the chain conveyor, to ensure precise dosing and optimal material storage
- Excellent mixing and homogenisation capacity of the processed material
- Large maintenance opening, which allows removal of residual material even when the machine is full
- Drum with adjustable working height on three different levels, to adapt to specific operational requirements
- Drum can be removed from the side to facilitate maintenance or replacement



Drum width	1200 - 2400 mm
Diameter of drum	1400 mm
Tooth	Length 140 Length 190
Capacity	60 m³/hour per linear metre
Length	up to 40 m
Lateral height of bunker	2300 mm

VIBRATING **FEEDERS**





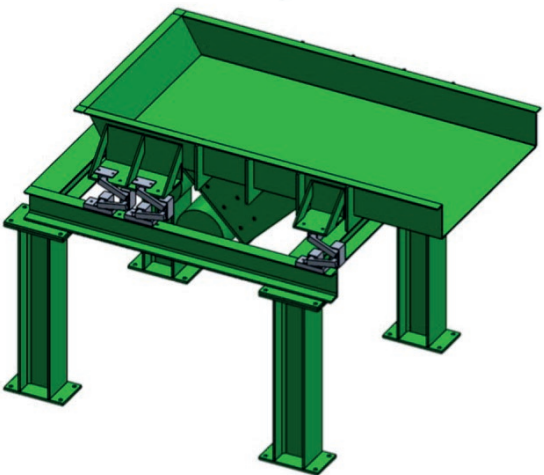
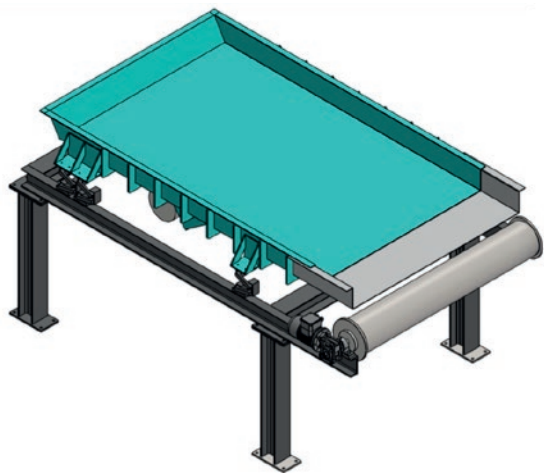
Vibratory feeders manufactured by *Quidacciolu Costruzioni Meccaniche* are used for dosing materials that are not excessively contaminated. The material feed occurs thanks to the movement generated by two motor vibrators, mounted on a channel insulated by springs or rubber buffers, guaranteeing precise and efficient dosing.



Main features:

- Sturdy mild steel cap, reinforced with ribs for strength and durability
- Two eccentric mass motor vibrators ensure effective operation
- Vibration amplitude can be adjusted by simply repositioning the eccentric masses
- Wear-resistant, bolted and easily replaceable steel inner lining

Vibrating feeders AQ-AV



Production	t/h	30 - 400
Maximum material size	mm	0 - 400
Width	mm	300 - 1400
Length	mm	800 - 2000
Installed power	kW	0,2 - 4
Approx. weight	kg	200 - 1300

BAG-OPENER

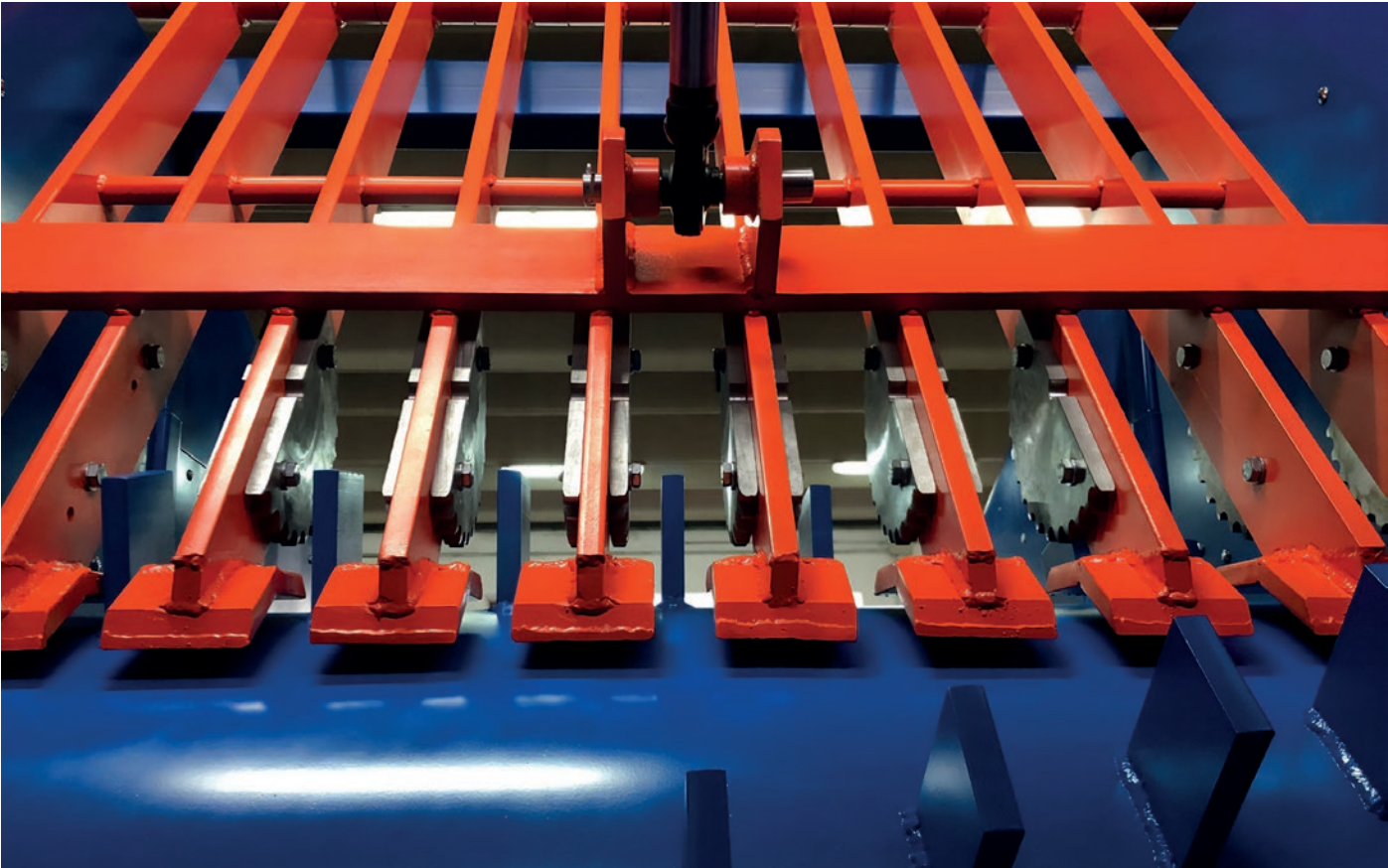


The bag-opener developed by *Quidacciolu Costruzioni Meccaniche* is a machine designed for opening bags or other containers commonly used for multi-material collection. The tearing process takes place thanks to the circular movement of a rotating drum that operates in contrast with a toothed comb, ensuring an effective and controlled opening.

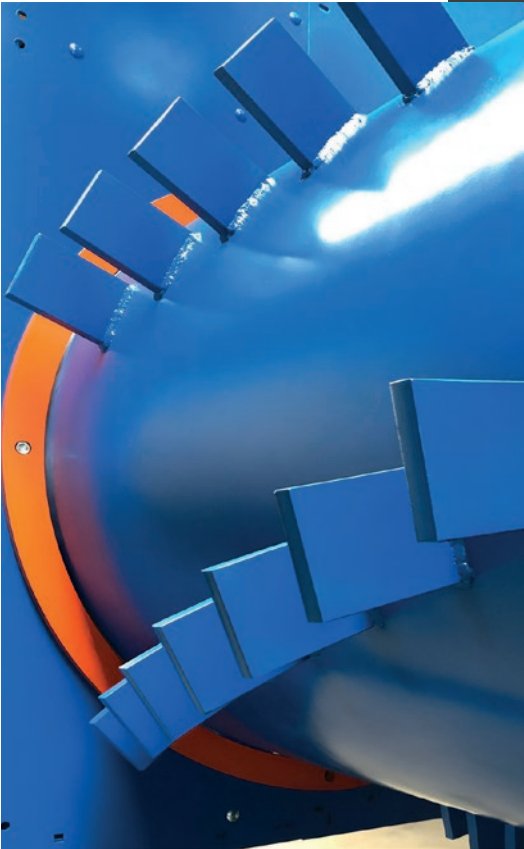


Main features:

- Drum cutting attachments made of wear-resistant steel to ensure high strength and durability
- Counter comb toothing made of wear-resistant steel for constant performance even in harsh conditions
- Drum connected via a 120 mm diameter steel shaft to a right-angled gear motor, allowing rotation speed to be varied according to operating requirements
- Counter comb moved by hydraulic drive, with the possibility of precise adjustment

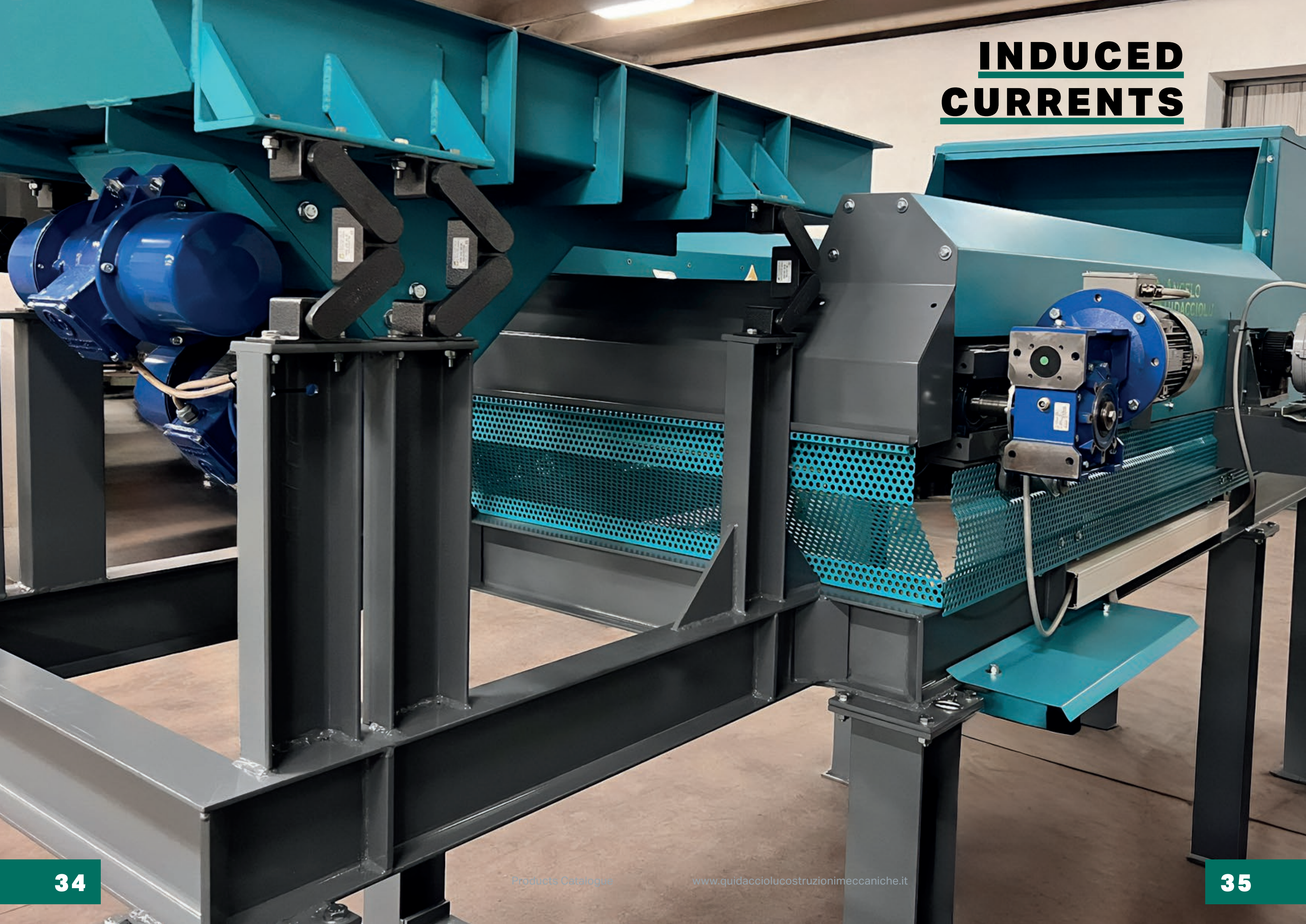


The bag-opener stands out for its main advantages: low energy consumption, minimal maintenance and intuitive operation, which make handling the machine simple, safe and extremely efficient.



Model	Type
APS	1400
APS	1600
SFB	1200
SFB	1400

INDUCED **CURRENTS**



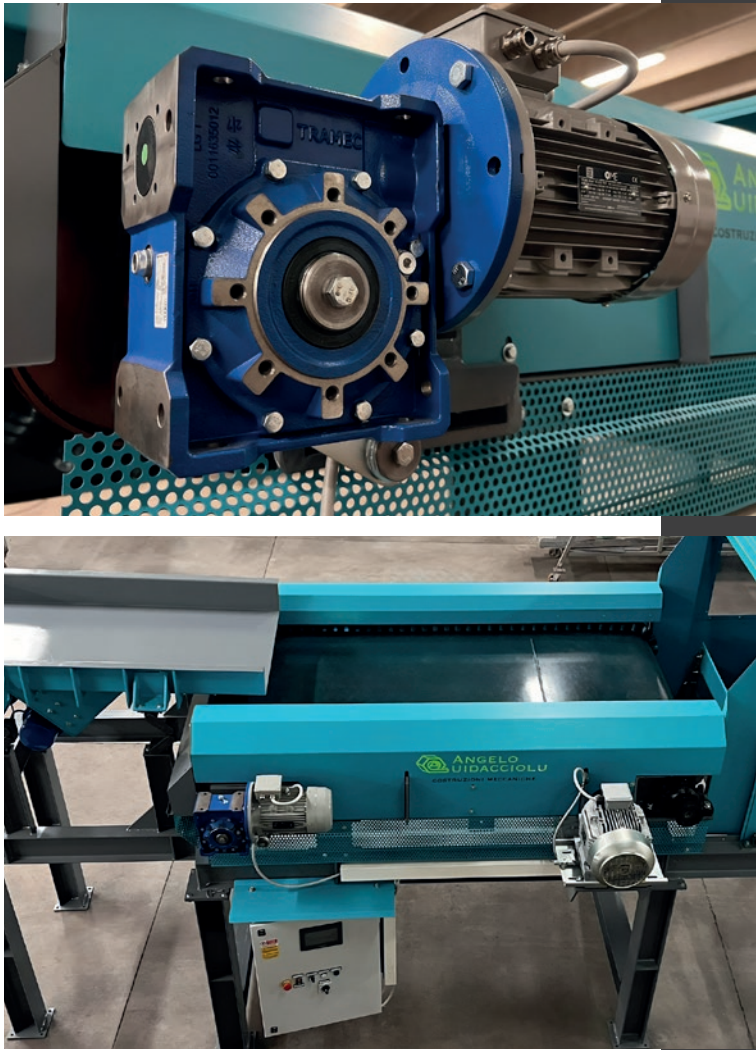


Quidacciolu Costruzioni Meccaniche's induced currents are designed for the separation of non-ferrous metals from inert materials. They are used in the treatment and valorisation of waste, slag, minerals, wood, glass, plastics and other mixed materials. The operating principle is based on magnetic repulsion: the conveyor belt conveys the material towards the internal magnetic rotor. In this phase, the non-ferrous metals are propelled forward, while the inert material falls by gravity, ensuring effective and precise separation.

Main features:

- Electric motor equipped with voltage regulator and toothed belt drive
- Protective casing that covers the entire perimeter of the machine, guaranteeing maximum operational safety
- Discharge hood with transparent polycarbonate inspection door for quick and safe inspection
- Vibrating feeder for uniform material loading along the entire surface of the mat
- Three-way discharge bulkhead (a; b; c), adjustable according to separation and distribution requirements
- Belt available in PVC 3/T or rubber EP400 3/T

Induced currents AQ-SMNF



Enforcement

- Waste treatment plants, dry fraction, multi-material or RDF
- Aluminium packaging recycling plants
- Hollow and flat glass recycling plants
- PVC - PE - PET recycling plants
- Wood recycling plants
- Aluminium or automotive profile grinding plants (Proller and Fluff) and household appliances WEEE
- Aluminium, bronze, brass and copper casting finishing plants
- Non-ferrous metal foundry plants
- Combustion residue, ash and incinerator treatment plants

Model	Dimensions (mm)					Rotor motor power	Belt motor power	Weight
	L	A	B	C	D			
500	500	1.300	3.800	1.100	1.600	3	0.75	1.500
800	800	1.300	3.800	1.350	1.850	3	0.75	1.650
1000	1.000	1.300	3.800	1.600	2.100	4	0.75	1.900
1200	1.200	1.300	3.800	1.855	2.400	5.5	1.5	2.050
1500	1.500	1.300	3.800	2.055	2.600	5.5	1.5	2.200
2000	2.000	1.650	4.760	2.560	3.080	5.5	1.5	2.600



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