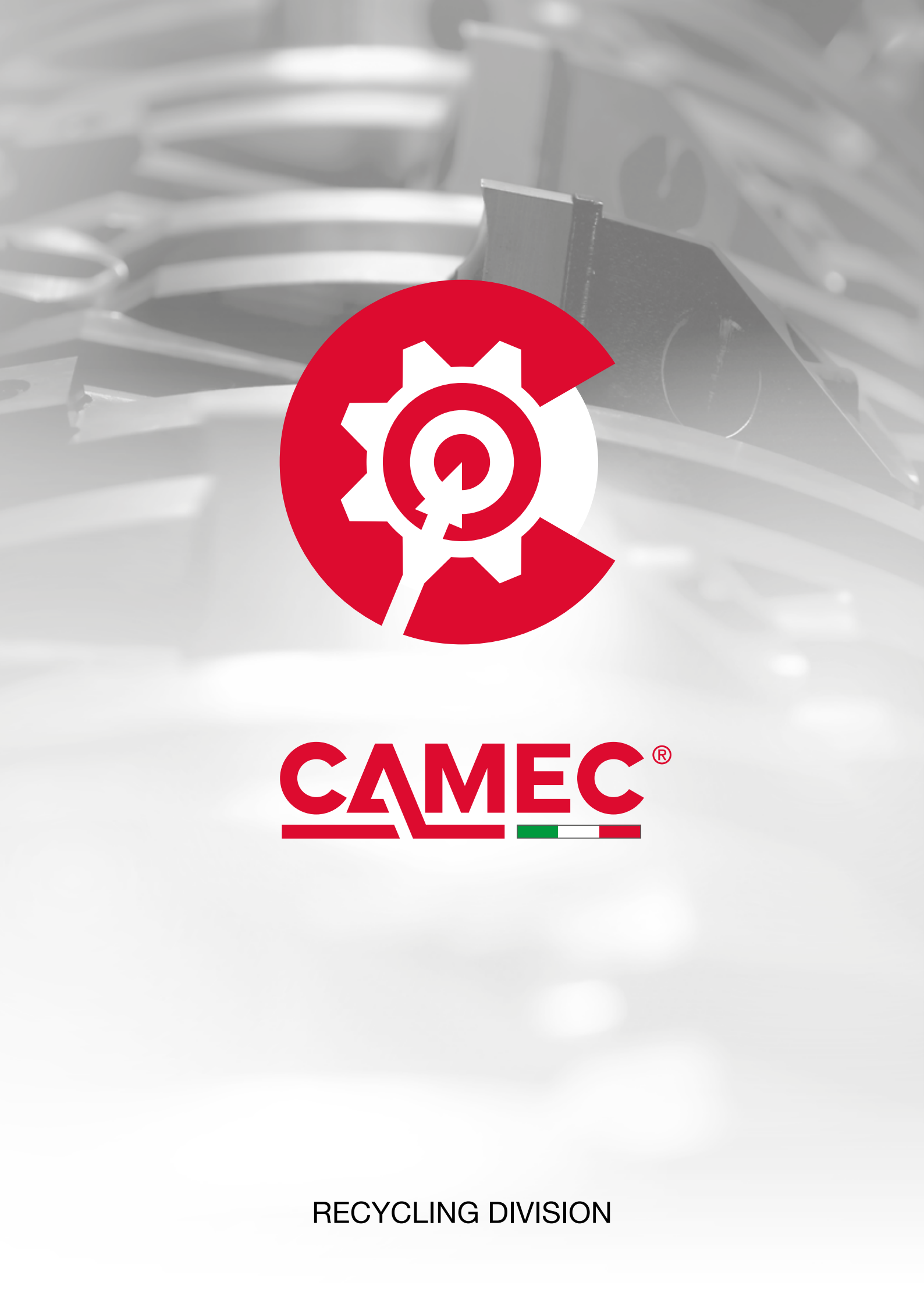


CAMEC®

RECYCLING DIVISION

WHAT WE DO

Waste is a resource

CAMEC designs and builds
the technology to recover it.

Over thirty years in recycling and industrial handling.

Every machine, every plant starts from a specific project — engineered around the material, the process, and the output the customer needs to achieve.

Since 1993 — Made in Italy

RECYCLING
DIVISION

HANDLING
DIVISION

RECYCLING PLANTS
DIVISION

Three divisions — Recycling, Handling, and Recycling Plants — meet every industrial requirement, from individual machines to complete turnkey systems. A fully integrated operation, active internationally, with a single point of contact for every customer.

From turnkey supply and feasibility studies to 3D simulation, plant revamping, and after-sales support: every phase is managed by one team, with OEM spare parts and continuous technical assistance throughout the plant's operational life.

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“Work hard in silence, let your success be the noise”

Ever since CAMEC was incorporated in 1993, we have always been known as “The Reliable Brand” recognized as a solid, dependable, and highly qualified manufacturer.

We never lose sight of our roots and we carry our Made in Italy legacy forward day after day on the international Recycling and Handling scene.

We are future-oriented, aware of where we’re going and certain that CAMEC is the most reliable choice for our customers.

Single-shaft shredders

SINGLE-SHAFT SHREDDERS

GRR280

COMPACT SINGLE-SHAFT SHREDDERS

The GRR line of shredders are suitable for processing a range of different materials in applications requiring lower throughput.
Thanks to the presence of a grid, these shredders allow uniform piece size at outfeed, preparing the material for any downline uses.
The use of interchangeable cutters allows fast maintenance with reduced downtimes.
With their compact dimensions and performance characteristics, these shredders are equipped with electric motor drive units.
Thanks to an innovative technological solution, GRR shredders assure high production efficiency with reduced energy consumption.

HIGH-POWERED SINGLE-SHAFT SHREDDERS

The high-powered shredders in the GSR, GS and GL line offer high quality standards and performance levels especially in the treatment of MSW, plastic, wood, rubber, paper and cardboard, and industrial bulky waste. Powerful in terms of structure and results, the high-powered shredders are distinguished by high throughput and the maximum reliability.
Thanks to the presence of a grid, these shredders ensure uniform piece size at outfeed for downline process stages and uses. Also, the use of interchangeable cutters allows fast maintenance with reduced downtimes.
The configurable blades in terms of thickness and number are the basis for the enormous flexibility of these machines, while interchangeable cutters with wear-resistant coatings protect the machine from possible damage.

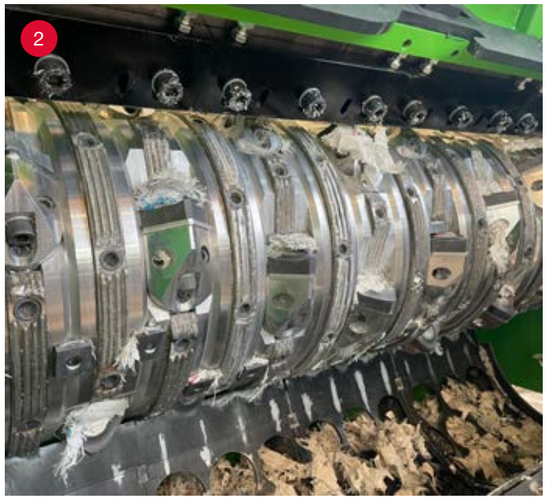


APPLICATIONS

Aluminium · Wood · Paper and cardboard · Plastic
Rubber · PVC profiles · Food waste · Copper cables
WEEE · Textile scrap · Tetra Pak® · Custom solutions

watch the video







1. Fast maintenance, reduced downtime
2. Steel rotor with bolt-on cutter holder
3. Powerfully built for high power performance

The shredders in the GRR line are compact machines suitable for shredding various materials including plastic, wood, rubber, paper, cardboard, copper cables, and fabrics.
These shredders are equipped with a grid to allow uniform piece size at outfeed, thus preparing the material for downline uses.
In addition, the use of interchangeable cutters allows rapid maintenance and reduced machine downtimes.
Optional version with double chain transmission joint between rotor and gear reducer.

TECHNICAL SPECIFICATIONS

- Compact dimensions.
- The bearings are amply separated from the shredding zone.
- Parallel shaft gear reducer.

GRR280 LINE

	GRR280/6	GRR280/8	GRR280/10	GRR280/13
Overall dimensions \ mm	2,190 x 1,380 x H 1,980	2,190 x 1,580 x H 1,980	2,190 x 1,780 x H 1,980	2,190 x 2,080 x H 1,980
Cutting chamber \ mm	600 x 550	800 x 550	1,000 x 550	1,300 x 550
Rotor diameter \ mm	280	280	280	280
Weight \ kg	1,900	2,100	2,300	2,800
Motor \ kW	11	18.5	22	30
Blades	Cutters	Cutters	Cutters	Cutters
Cutter dimensions \ mm	43 x 43 x 15	43 x 43 x 15	43 x 43 x 15	43 x 43 x 15







SINGLE-SHAFT SHREDDERS

GSR480



APPLICATIONS

Aluminium · Wood · Paper and cardboard · Plastic

Rubber · PVC profiles · Food waste · Copper cables

WEEE · Hospital waste · Textile scrap · Tetra Pak®

CUSTOM SOLUTIONS

watch the video

The high-powered GSR480 shredder is a single-shaft machine with radial pusher, featuring electric motor drive. The possibility of a parallel shaft gear reducer and automatic direction reversal make these machines single-shaft shredders with exceptional performance. The use of interchangeable cutters allows fast maintenance with reduced machine downtimes.
The machine is equipped with a hydraulic power pack driven by a 3 kW motor to supply oil to the hydraulic cylinders.
Optional version with double chain transmission coupling between rotor and gear reducer.

TECHNICAL SPECIFICATIONS

- High shredding surface area.
- Compact dimensions.
- Bearings amply separated from the shredding zone.
- Parallel shaft gear reducer.
- Easy maintenance thanks to fully automatic opening of the compartment.

GSR480 LINE

	GSR480/13	**GSR480/15**	**GSR480/18**
Overall dimensions \ mm	4,140 x 2,510 x H 3,240	4,340 x 2,510 x H 3,240	4,640 x 2,510 x H 3,240
Cutting chamber \ mm	1,130 x 1,300	1,130 x 1,500	1,130 x 1,800
Rotor diameter \ mm	480	480	480
Weight \ kg	11,200	11,700	12,400
Motor \ kW	55	75	90
Blades	Cutters	Cutters	Cutters
Cutter dimensions \ mm	60 x 60 x 20	60 x 60 x 20	60 x 60 x 20













GS650



APPLICATIONS

Aluminium
Wood
Paper and cardboard
Plastic
Rubber
PVC profiles
Municipal solid waste
Food waste
Copper cables
Bulky and industrial waste
Tyres
WEEE
Hospital waste
Pulper waste
Textile scrap
Tetra Pak®
CUSTOM SOLUTIONS

watch the video

GS650 with 650 mm rotor is a single-shaft machine with radial pusher and electric motor drive. The large shredding surface are allows higher hourly throughput. The parallel shaft gear reducer and automatic reversal of the direction of rotation mean that these machines are extremely powerful single-shaft shredders.
The machine is equipped with a hydraulic power pack with an inverter driven 5.5 kW motor to supply oil to the pusher and screen opening hydraulic cylinders. Double chain transmission coupling between rotor and gear reducer.

TECHNICAL SPECIFICATIONS

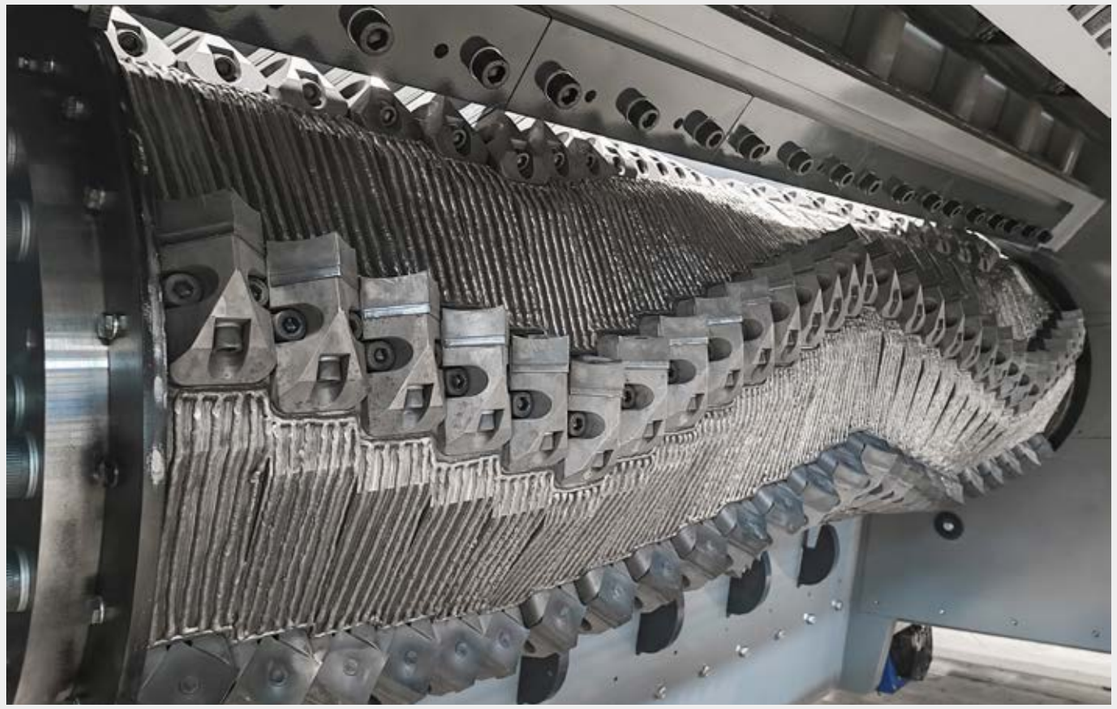
- Arc welded monobloc structure for elevated robustness.
- Large shredding surface area and the maximum reliability.
- Bearings separated from the shredding zone.
- Parallel shaft gear reducer.
- Easy maintenance thanks to fully automatic opening of the service compartment and the screen.

GS650 LINE

	GS650/17	GS650/21	GS650/25	GS650/30
Overall dimensions \ mm	4,400 x 2,300 x H 2,300	4,900 x 2,300 x H 2,300	5,400 x 2,300 x H 2,300	5,900 x 2,300 x H 2,300
Cutting chamber \ mm	1,700 x 1,400	2,100 x 1,400	2,500 x 1,400	3,000 x 1,400
Rotor diameter \ mm	650	650	650	650
Weight \ kg	20,000	22,000	25,000	37,000
Motor \ kW	132	200	250	2x160
Blades	Cutters	Cutters	Cutters	Cutters
Cutter dimensions \ mm	80 x 80 x 30	80 x 80 x 30	80 x 80 x 30	80 x 80 x 30














GS650/3a
CAMEC

SINGLE-SHAFT SHREDDERS

GS900



APPLICATIONS

Aluminium, Wood, Paper and cardboard, Plastic, Rubber, PVC profiles, Municipal solid waste, Food waste, Copper cables, Bulky and industrial waste, Tyres, WEEE, Hospital waste, Pulper waste, Textile scrap, Tetra Pak®, CUSTOM SOLUTIONS

The high-powered GS900 shredder is a top-of-the range single-shaft machine with radial pusher, equipped with electric motor drive and able to guarantee high hourly throughput.

These shredders are equipped with a grid to allow uniform piece size at outfeed, preparing the material for downline uses. In addition, the use of interchangeable cutters allows rapid maintenance and reduced machine downtimes. Double chain transmission joint between rotor and gear reducer.

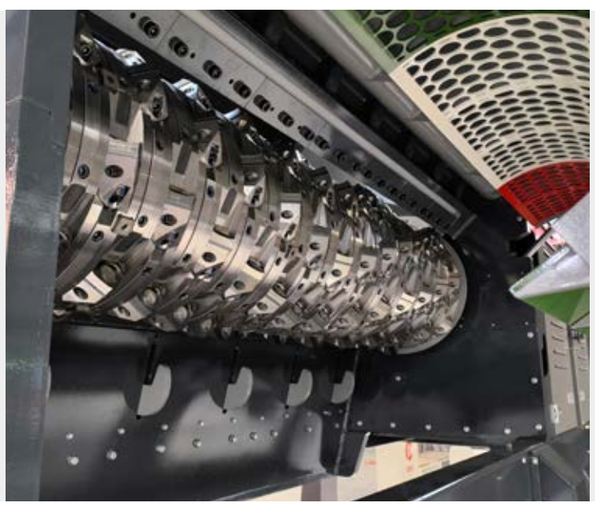
TECHNICAL SPECIFICATIONS

- Arc welded monobloc structure for elevated robustness.
- Large shredding surface area.
- Bearings amply separated from the shredding zone.
- Parallel shaft gear reducer.
- Easy maintenance thanks to fully automatic opening of the service compartment and the screen.

GS900 LINE

	GS900/30	GS900/35
Overall dimensions \ mm	6,000 x 2,420 x H 2,420	6,500 x 2,420 x H 2,420
Cutting chamber \ mm	3,000 x 1,570	3,500 x 1,570
Rotor diameter \ mm	900	900
Weight \ kg	31,000	34,000
Motor \ kW	315	315
Blades	Cutters	Cutters
Cutter dimensions \ mm	80 x 80 x 30	80 x 80 x 30





SINGLE-SHAFT SHREDDERS

GL650



APPLICATIONS

Aluminium, Plastic, Oil filters, Bulky and industrial waste, Tyres, CUSTOM SOLUTIONS

watch the video

GL650 us a single-shaft shredder with 650 mm diameter rotor and low speed hydraulic motor.

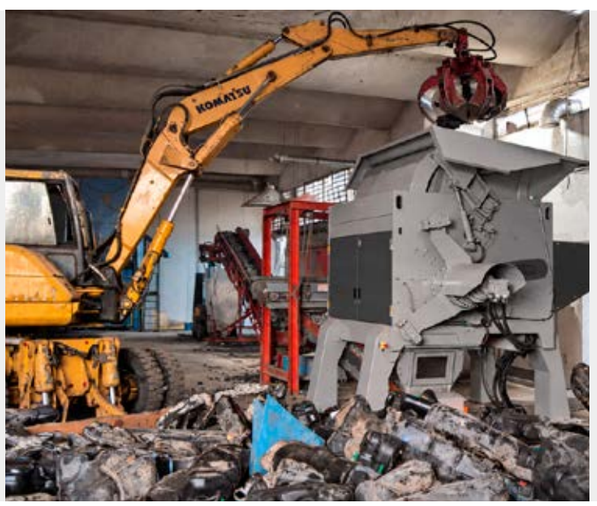
The machine is equipped with a radial pusher: the larger shredding surface area allows high hourly throughput, while the availability of a planetary gear reducer and automatic reversal of the direction of rotation make this machine a high performance single-shaft shredder.

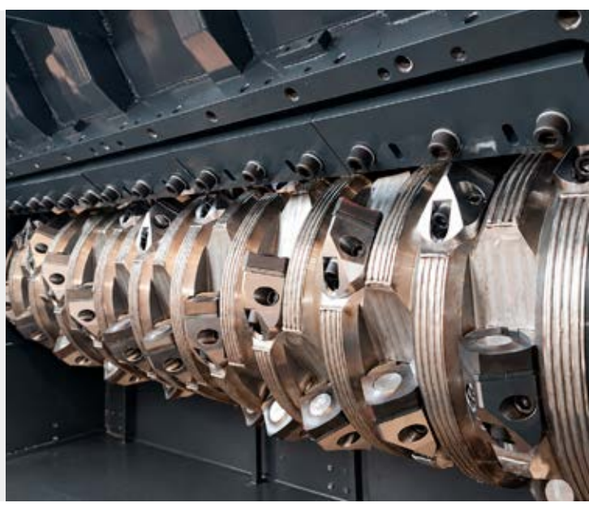
TECHNICAL SPECIFICATIONS

- Arc welded monobloc structure for elevated robustness.
- Large shredding surface area.
- Bearings amply separated from the shredding zone.
- Planetary gear reducers.

GL650 LINE

	GL650/17	GL650/21	GL650/25
Overall dimensions \ mm	4,700 X 4,200 X H 3,800	5,100 X 4,200 X H 3,800	5,500 X 4,200 X H 3,800
Cutting chamber \ mm	1,700 X 1,400	2,100 X 1,400	2,500 X 1,400
Rotor diameter \ mm	620	620	620
Weight \ kg	16,000	17,200	18,500
Motor \ kW	2 x 90	2 x 110	2 x 160
Blades	Cutters	Cutters	Cutters
Cutter dimensions \ mm	80 x 80 x 30	80 x 80 x 30	80 x 80 x 30





GL900



APPLICATIONS

Aluminium
Wood
Paper and cardboard
Plastic
Rubber
PVC profiles
Municipal solid waste
Food waste
Bulky and industrial waste
Tyres
WEEE
Textile scrap
Tetra Pak®
CUSTOM SOLUTIONS

watch the video

GL900 is a heavy-duty single-shaft shredder with hydraulic drive, engineered to deliver high performance in the processing of bulky waste, municipal solid waste (MSW), and industrial waste. Equipped with a robust 3500 mm rotor fitted with hardened steel blades and Hardox500 counter-blades, it ensures a controlled output size and an hourly throughput of up to 25 tons. The shredder is powered by two 200 kW three-phase electric motors, delivering a total installed power of 400 kW, coupled with a high-performance hydraulic transmission system using Hägglunds hydraulic motors for optimal control, torque, and reliability.

TECHNICAL SPECIFICATIONS

- Monolithic welded steel frame for superior structural strength.
- Large cutting surface for high shredding efficiency.
- Easy maintenance with fully automated access to cutting chamber and screen.
- Advanced self-diagnostic, remote diagnostics, and predictive maintenance functions.
- Hydraulically adjustable cutting screen.

GL900 LINE

	GL900/30	GL900/35
Overall dimensions \ mm	4,460 x 3,000 x H 2,420	5,000 x 3,000 x H 2,420 mm
Cutting chamber \ mm	1,250 x 2,740	1,250 x 3,280
Weight \ kg	27,600	29,700
Hopper \ m³	5.5	6
Motor \ kW	2 x 200	2 x 250
Cutters	Concave-point profile	Concave-point profile
Cutters dimensions \ mm	60 - 130 x 145	60 - 130 x 145









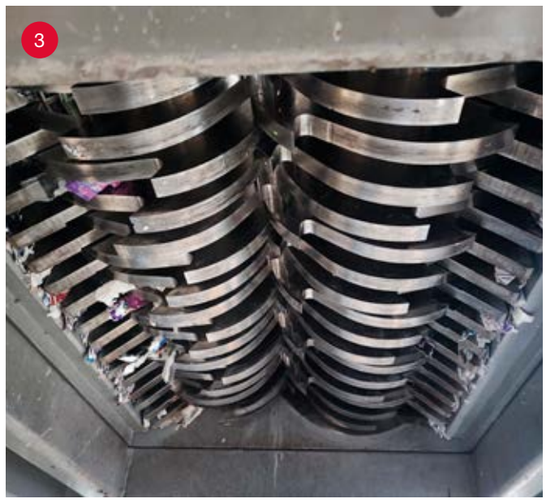
Two-shaft Shredders

The two-shaft shredders of the TR2A series are designed for shredding materials such as plastic, paper, cardboard, electrical cables, tyres, etc.
The solid frame made of 15 mm gauge arc welded steel plate ensures optimal solidity and durability. Material shedding is provided by 2 independently driven hexagonal section shafts located in the cutting chamber, equipped with special hardened steel cutters.
The operator manages the entire process in absolute safety directly from the control panel.

1. Electric motor with direct mechanical transmission
2. Easy maintenance in complete safety
3. High efficiency double shaft







TWO-SHAFT SHREDDERS

TR2A200



APPLICATIONS

Aluminium
Paper and cardboard
Food waste
Textile scrap
Tetra Pak®
CUSTOM SOLUTIONS

watch the video

TR2A200 is the most compact shredder in the TR2A series.
Two-shaft shredders are designed for volumetric reduction and coarse shredding of the material.
The machine has electric motor drive with planetary gear reducers and can be equipped with an inverter on request.
These two-shaft shredders feature extremely compact dimensions and are not equipped with a grid, so they can shred large quantities of material with low installed power. They can process any type of solid waste with high performance levels.

TECHNICAL SPECIFICATIONS

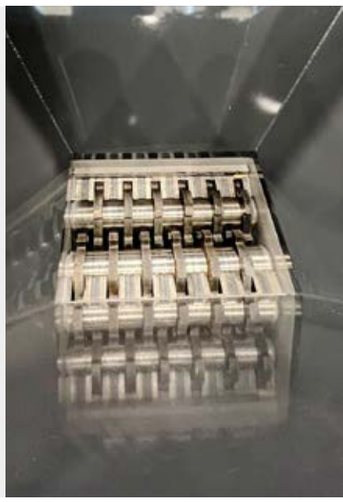
- Shredding section in arc welded fabricated steel (15 mm gauge plates).
- Bearings amply separated from the shredding zone.
- 2 hexagonal section 80 mm shafts.
- Independently driven rotors.
- Shafts C/C distance of 200 mm.

TR2A200 LINE

	TR2A200/3	TR2A200/5	TR2A200/7	TR2A200/10
Overall dimensions \ mm	2,160 x 700 x H 320	2,360 x 700 x H 320	2,560 x 700 x H 320	2,860 x 700 x H 320
Cutting chamber \ mm	500 x 300	500 x 500	500 x 700	500 x 1,000
Shaft centre distance \ mm	200	200	200	200
Weight \ kg	600	850	1,100	1,500
Motor \ kW	2 x 4	2 x 4	2 x 5.5	2 x 7.5
Blades	Integral	Integral	Integral	Integral
Blade thickness \ mm	18	18	28	28

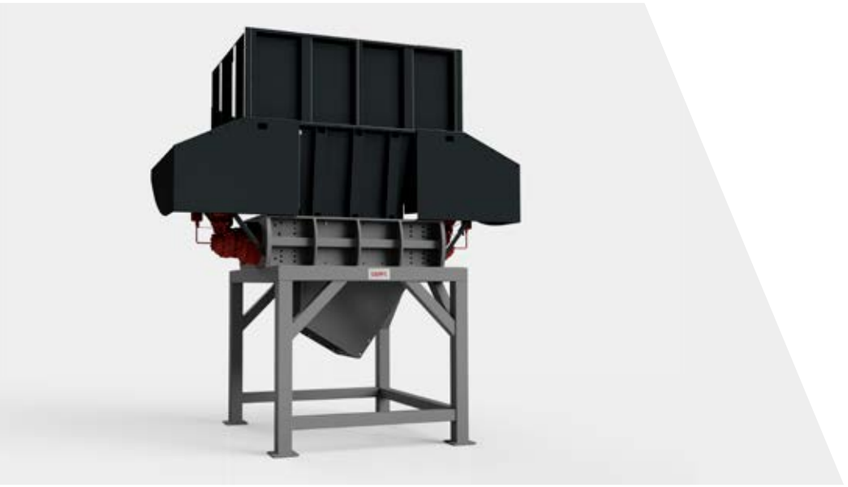






TWO-SHAFT SHREDDERS

TR2A300



APPLICATIONS

Aluminium · Paper and cardboard · Rubber · Food waste · Tyres · Textile scrap · Tetra Pak®

CUSTOM SOLUTIONS

TR2A300 is a medium-small shredder.
Electric motor drive, with planetary gear reducers and an inverter on request.

The solid structure made of 15 mm gauge arc welded steel plate guaranties excellent robustness and duration through time. Material shredding is carried out by two hexagonal section independently driven shafts in the cutting chamber, equipped with blades in special hardened steel.

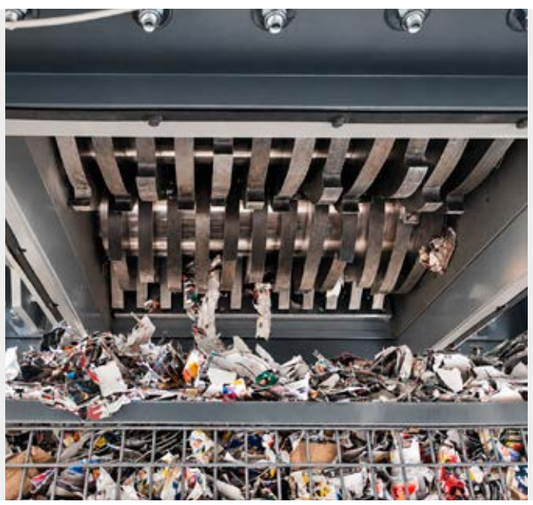
TECHNICAL SPECIFICATIONS

- Shredding section in arc welded fabricated steel.
- Bearings amply separated from the shredding zone.
- 2 hexagonal section 130 mm shafts.
- Independently driven rotors.
- Remote connection for assistance.

TR2A300 LINE

	TR2A300/7	TR2A300/10	TR2A300/13
Overall dimensions \ mm	3,260 x 1,100 x H 450	3,560 x 1,100 x H 450	3,860 x 1,100 x H 450
Cutting chamber \ mm	720 x 700	720 x 1,000	720 x 1,300
Shaft centre distance \ mm	300	300	300
Weight \ kg	2,500	3,400	4,300
Motor \ kW	2 x 11	2 x 11	2 x 18.5
Blades	Integral	Integral	Integral
Blade thickness \ mm	22	30	40





TWO-SHAFT SHREDDERS

TR2A400



APPLICATIONS

Aluminium · Paper and cardboard · Rubber · Food waste · Tyres · Textile scrap · Tetra Pak®

CUSTOM SOLUTIONS

watch the video

TR2A400 is a shredder that can be supplied in an electric or hydraulic version.
The very low consumption of this machine saves energy, while the special steel blades allow very long life cycles.
The robust structure of the machine, made of 15 mm gauge arc welded steel plate, ensures optimal solidity and durability through time. Material shredding is carried out by two hexagonal section independently driven shafts in the cutting chamber, equipped with blades in special hardened steel.

TECHNICAL SPECIFICATIONS

- Fabricated arc welded steel shredding section (30 mm gauge plates).
- Bearings amply separated from the shredding zone.
- Independently driven rotors.
- 2 hexagonal section 210 mm shafts.
- Remote connection for assistance.

TR2A400 LINE

	TR2A400/10	TR2A400/13
Overall dimensions \ mm	2,500 x 1,400 x H 600	3,380 x 1,400 x H 600
Cutting chamber \ mm	920 x 1,000	920 x 1,300
Shaft centre distance \ mm	400	400
Weight \ kg	4,500	6,250
Motor \ kW	2 x 22	2 x 30
Blades	Integral	Integral
Blade thickness \ mm	30	50







TWO-SHAFT SHREDDERS

TR2A450



APPLICATIONS

Aluminium
Paper and cardboard
Rubber
Food waste
Oil filters
Tyres
Textile scrap
Tetra Pak®
CUSTOM SOLUTIONS

watch the video

TR2A450 is a shredder suitable for heavy duty work cycles. The generously sized frame is designed to withstand bending-twisting moments, also when shredding extremely tough materials. The solid structure made of 15 mm gauge arc welded steel plate guarantees excellent robustness and duration through time. Material shredding is carried out by two hexagonal section independently driven shafts in the cutting chamber, equipped with blades in special hardened steel.

TECHNICAL SPECIFICATIONS

- Fabricated arc welded steel shredding section (30 mm gauge plate).
- Bearings amply separated from the shredding zone.
- 2 hexagonal section 200 mm shafts.
- Independently driven rotors.

TR2A450 LINE

	TR2A450/13	TR2A450/15	TR2A450/18
Overall dimensions \ mm	4,440 x 1,500 x H 630	4,800 x 1,500 x H 630	5,100 x 1,500 x H 630
Cutting chamber \ mm	1,100 x 1,300	1,100 x 1,500	1,100 x 1,800
Shaft centre distance \ mm	450	450	450
Weight \ kg	7,500	10,400	13,000
Motor \ kW	2 x 37	2 x 55	2 x 75
Blades	Integral or at interchangeable sectors	Integral or at interchangeable sectors	Integral or at interchangeable sectors
Blade thickness \ mm	50	75	100







TWO-SHAFT SHREDDERS

TR2A520



APPLICATIONS

Aluminium
Paper and cardboard
Rubber
Food waste
Oil filters
Tyres
WEEE
Textile scrap
Tetra Pak®
CUSTOM SOLUTIONS

watch the video

TR2A520 is a top-of-the-range shredder suitable for heavy-duty work cycles. The generously sized structure is designed to withstand bending-twisting moments, also when shredding extremely tough materials. TR2A520 shredders are not equipped with a grid, so they can process large quantities of material. These machines can process any type of solid waste, such as tyres, lightweight metals, copper wires, WEEE, plastic, wood, paper, cardboard, carpet, plastic and metal containers. The drive unit is electric or hydraulic, with planetary gear reducers.

TECHNICAL SPECIFICATIONS

- Bearings amply separated from the shredding zone.
- 2 hexagonal section 240 mm shafts.
- Independently driven rotors.

TR2A520 LINE

	TR2A520/20	**TR2A520/24**
Overall dimensions \ mm	5,350 x 1,500 x H 728	5,850 x 1,500 x H 728
Cutting chamber \ mm	1,300 x 2,000	1,300 x 2,400
Shaft centre distance \ mm	520	520
Weight \ kg	13,500	15,500
Motor \ kW	2 x 90	2 x 110
Blades	Integral or at interchangeable sectors	Integral or at interchangeable sectors
Blade thickness \ mm	75	100











Quad-shaft Shredders

The quad-shaft shredders of the TR4A line are ideal for shredding large quantities of tough materials such as aluminium profiles, electrical cables, tyres, plastic, oil filters, WEEE, etc.
The main feature of the shredders in this class is the presence of 4 hexagonal section shafts with independently driven rotors, equipped with shredding cutters made of special hardened steel to guarantee long life.
The use of interchangeable tools and the application of sizing grids makes it possible to obtain constant and controlled piece sizes.
The machine body is made of 15 mm gauge arc-welded steel plate throughout.

1. High-performance electric motor drive
2. Force, reliability and controlled output piece size
3. Four hexagonal section shafts with independently driven rotors









QUAD-SHAFT SHREDDERS

TR4A400



APPLICATIONS

WEEE

watch the video

TR4A400 is a shredder with four hexagonal section shafts and independently driven rotors.
The same reliability and power as the two-shaft shredders is combined with control of the outfeed piece size by means of a grid in the blades discharge position, allowing also extremely heavy-duty uses.
Application of sizing grids makes it possible to obtain constant and controlled piece size.
The shredder has electric motor drive.

TECHNICAL SPECIFICATIONS

- Fabricated arc welded steel shredding section.
- Bearings amply separated from the shredding zone.
- 4 hexagonal section 150 mm shafts.
- Independently driven rotors.

TR4A400 LINE

	TR4A400/10	TR4A400/13
Overall dimensions \ mm	3,760 x 1,920 x H 700	4,070 x 1,920 x H 700
Cutting chamber \ mm	1,100 x 950	1,100 x 1,250
Shaft centre distance \ mm	400	400
Weight \ kg	7,500	9,500
Motor \ kW	2 x 30 + 2 x 15	2 x 37 + 2 x 22
Blades	Integral	Integral
Blade thickness \ mm	50	75





QUAD-SHAFT SHREDDERS

TR4A450



APPLICATIONS

WEEE

watch the video

The quad-shaft shredders in the TR4A line are versatile and efficient machines, designed for special processing of the material.
TR4A450 is a shredder with 4 hexagonal section shafts and independently driven rotors.
The shredder is equipped with electric or hydraulic drive motor.

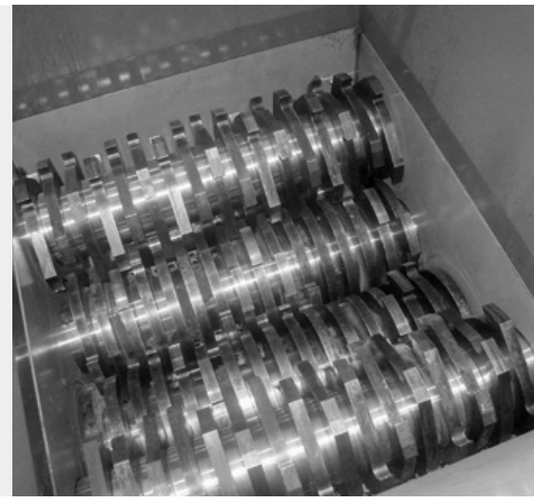
TECHNICAL SPECIFICATIONS

- Fabricated arc welded steel shredding section.
- Bearings amply separated from the shredding zone.
- 4 hexagonal section 150 mm shafts.
- Independently driven rotors.

TR4A450 LINE

	TR4A450/13	TR4A450/15	TR4A450/18
Overall dimensions \ mm	5,500 x 2,100 x H 1,000	5,700 x 2,100 x H 1,000	6,000 x 2,100 x H 1,000
Cutting chamber \ mm	1,700 x 1,300	1,700 x 1,500	1,700 x 1,800
Shaft centre distance \ mm	450	450	450
Weight \ kg	12,500	15,500	18,000
Motor \ kW	2 x 22 + 2 x 37	2 x 45 + 2 x 30	2 x 55 + 2 x 37
Blades	Integral	Integral	Integral
Blade thickness \ mm	60	65	75



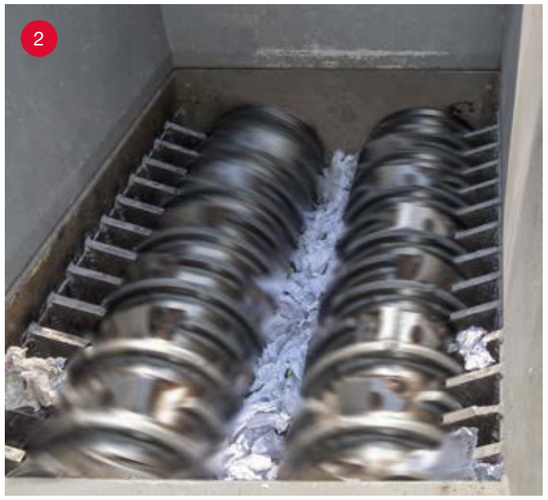


Double Rotor Shredders

The double rotor shredder of the DR line is a flexible and efficient machine designed for special processing of the material.
The classic reliability and power of two-shaft shredders is combined with control of the material piece size at outfeed, typical of the single-shaft machine, allowing use in heavy duty applications.
The use of interchangeable shafts and the application of sizing grids makes it possible to obtain a constant and controlled piece sizes. Also, the machine offers double the throughput level in a small footprint because the two opposing rotors generate a screening surface that is double the size compared to a conventional machine of the same length.
The technology applied can be developed with electric motor drive or a hydraulic power pack for particularly heavy duty applications.

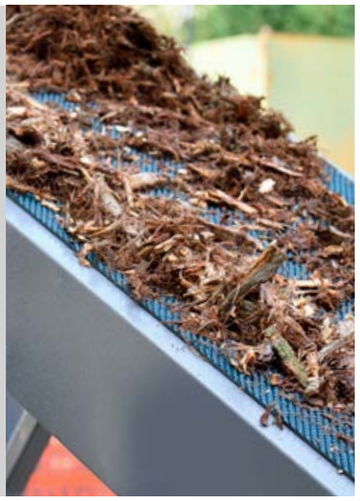
1. Controlled piece size of materials at outfeed
2. High power plus high precision for heavy duty work cycles
3. Sizing grids for precise and reliable processing





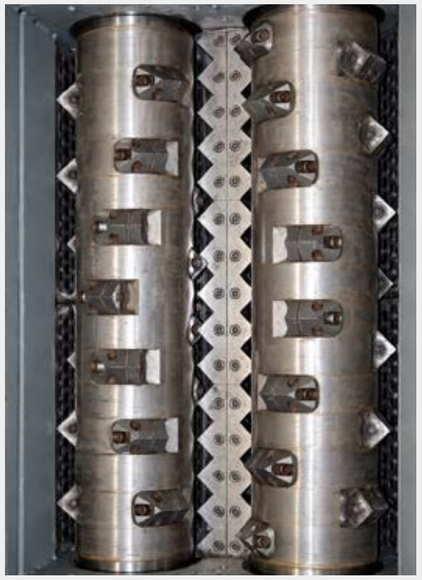












DOUBLE ROTOR SHREDDERS

DR450



APPLICATIONS

Wood

Paper and cardboard

PVC profiles

CUSTOM SOLUTIONS

watch the video

The DR450 double rotor shredder is the synthesis of CAMEC's experience in the construction of shredders for the recycling industry.
The solution with two rotors and two screens makes it possible to double the screening area thus increasing the hourly throughput.
Arc welded monobloc structure composed of a cutting chamber and a compartment housing the two motors.
Electric or hydraulic motor drive depending on the customer's requirements. Fixed blades in special hardened steel.

TECHNICAL SPECIFICATIONS

- Arc welded monobloc structure incorporating a cutting chamber and a motors compartment.
- Bearings located well clear of the shredding zone.
- Cylindrical rollers fixed with bolt-on cutter supports.
- Fixed blades made from special hardened steel.

DR450 LINE

	DR450/13	**DR450/18**
Overall dimensions \ mm	3,000 x 1,350 x H 2,800	3,500 x 1,350 x H 2,800
Cutting chamber \ mm	1,300 x 900	1,800 x 900
Rotor diameter \ mm	450	450
Weight \ kg	6,300	7,450
Motor \ kW	2 x 37	2 x 45
Cutters	Interchangeable cutters	Interchangeable cutters
Cutter dimensions \ mm	60 x 60 x 29.5	60 x 60 x 29.5





DOUBLE ROTOR SHREDDERS

DR650



APPLICATIONS

Wood

Paper and cardboard

PVC profiles

CUSTOM SOLUTIONS

The DR650 double rotor is suitable for heavy-duty applications with H24 duty cycles or where high production is required.
The solution with two rotors and two screens makes it possible to double the sorting surface area, thus increasing the hourly throughput.
Arc welded monobloc structure composed of a cutting chamber and a compartment to house the two motors.
Electric or hydraulic drive motors depending on the customer's requirements. Fixed blades in special hardened steel..

TECHNICAL SPECIFICATIONS

- Arc welded monobloc structure incorporating a cutting chamber and a motors compartment.
- Bearings located well clear of the shredding zone.
- Cylindrical rollers fixed with bolt-on cutter supports.
- Fixed blades made from special hardened steel.

DR650 LINE

	DR650/20	**DR650/24**
Overall dimensions \ mm	3,900 x 2,230 x H 1,520	4,300 x 2,230 H 1,520
Cutting chamber \ mm	2,000 x 1,650	2,350 x 1,650
Rotor diameter \ mm	650	650
Weight \ kg	22,200	25,700
Motor \ kW	2 x 160	2 x 200
Cutters	Interchangeable cutters	Interchangeable cutters
Cutter dimensions \ mm	140	140





Granulators

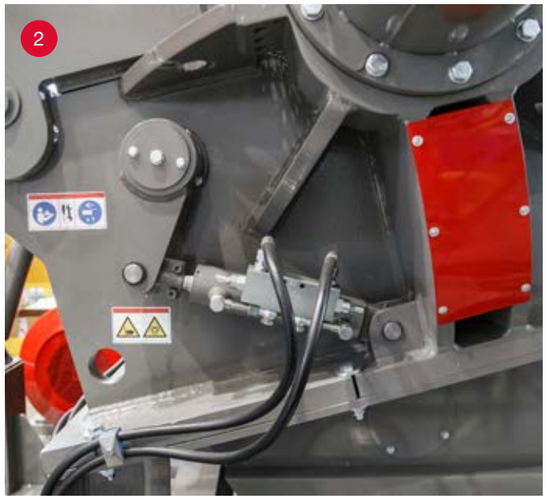
The granulators in the MG line are designed for shredding and reduction of mixed plastic scrap produced in the injection moulding, extrusion, blow moulding and thermoforming sector or for granulation of rubber.

The special rotor configuration and the cutting angle used between blade and fixed blade retainer ensure energy saving and a significant reduction in dust formation during the granulation process.

The robust structure with bearings amply separated from the cutting chamber makes it possible to granulate the material with water spray jets inside the granulation chamber. This feature makes the machine extremely versatile and allows it to be used also to granulate materials with a low temperature melting point.

1. Robust stress resistant structure
2. Hydraulic hopper opening system for easy maintenance
3. Adjustable distance between fixed and rotating blades
4. Ultra-high efficiency energy performance









GRANULATORS

MG300



MG300 is a line of versatile and compact granulators.
The MG300 granulator features a special configuration of the rotor and the cutting angle between blade and fixed blade retainer, designed for granulation of mixed plastic scrap from injection moulding, extrusion, blow moulding, and thermoforming operations or for granulation of rubber.

APPLICATIONS

Plastic
PVC profiles
Rubber
Copper cables
Textile scrap
Custom solutions

MG300 LINE

	MG300/5	**MG300/8**
Overall dimensions \ mm	1,500 x 1,150 x H 1,700	1,800 x 1,150 x H 1,700
Cutting chamber \ mm	500 x 300	800 x 300
Rotor diameter \ mm	300	300
Weight \ kg	1,100	1,500
Motor \ kW	11.0	18.5
Blades	Integrated, adjustable	Integrated, adjustable
Blade thickness \ mm	10 Rotating blades / 13 Fixed blades	10 Rotating blades / 13 Fixed blades





GRANULATORS

MG400



APPLICATIONS

Plastic
PVC profiles
Rubber
Copper cables
Textile scrap
CUSTOM SOLUTIONS

MG400 is a line of medium power granulators.
Electric motor drive and grid with reduced size holes to obtain very fine piece size.

The MG400 granulator has a special configuration of the rotor and the cutting angle between blade and fixed blade retainer, designed for shredding and reduction of mixed plastic scrap from injection moulding, extrusion, blow moulding, and thermoforming operations or for granulation of rubber.

MG400 LINE

	MG400/10	MG400/12
Overall dimensions \ mm	2,180 x 1,750 x H 2,050	1,750 x 1,800 x H 2,050
Cutting chamber \ mm	1,000 x 400	1,200 x 400
Rotor diameter \ mm	400	400
Weight \ kg	2,100	2,400
Motor \ kW	30	37
Blades	Integrated, adjustable	Integrated, adjustable
Blade thickness \ mm	20	20





GRANULATORS

MG800



APPLICATIONS

Plastic
PVC profiles
Rubber
Copper cables
Textile scrap
Tyres
CUSTOM SOLUTIONS

watch the video

The machine includes an outfeed screw conveyor at the base of the lower hopper to facilitate material outfeed towards the existing suction system.

This system allows shredding of large quantities of material.

MG800 is a top-of-the-range granulator suitable for heavy-duty work cycles.

The special configuration of the rotor and the cutting angle between blade and fixed blade retainer ensure energy saving and a significant reduction of dust production during the granulation process.

MG800 LINE

	MG800/10	MG800/12	MG800/16	MG800/20
Overall dimensions \ mm	1,900 x 2,460 x H 3,000	2,100 x 2,460 x H 3,000	2,700 x 2,460 x H 3,000	3,100 x 2,460 x H 3,000
Cutting chamber \ mm	800 x 1,000	800 x 1,200	800 x 1,600	800 x 2,000
Rotor diameter \ mm	800	800	800	800
Weight \ kg	5,400	6,400	9,100	9,400
Motor \ kW	75	90	160	200
Blades	Integrated, adjustable	Integrated, adjustable	Integrated, adjustable	Integrated, adjustable
Blade thickness \ mm	30	30	40	40







Rotary Shears

The rotary shears of the CR2A line are specifically designed for the ferrous metals line, especially with severe conditions and heavy duty work cycles.

The generously sized structure is resistant to bending-twisting moments also when working with extremely soft materials. The shears are usually designed and built with a hydraulic drive unit, which makes for very high performance of the machine while keeping energy consumption proportionately low.

The low rotation speed of the blades makes it possible to achieve very high torque of the shredding tools such as to make them exclusively suitable for the ferrous metals line.

1. Shredder with two independent shafts to reduce rpm
2. Easy maintenance cutting chamber with different blade configurations
3. Wear-resistant cutting tools

ROTARY SHEARS

CR2A645



APPLICATIONS

Copper cables · Ferrous material · Aluminium

CUSTOM SOLUTIONS

watch the video

Model CR2A645 is specifically designed for heavy duty work on high wear materials.

Ideal for volumetric reduction and coarse shredding of steel waste, ferrous scrap, or material in high-density bales.

TECHNICAL SPECIFICATIONS

- Shredder with two independent working shafts to reduce the rpm.
- Easy maintenance cutting chamber with various blade configurations.
- Wear-resistant cutting tools.
- Customizable base and hopper for material loading and discharge.

CR2A LINE

	CR2A645/15	CR2A645/20
Overall dimensions \ mm	5,500 x 2,040 x H 895	6,000 x 2,040 x H 895
Cutting chamber \ mm	1,500 x 1,500	1,500 x 2,000
Shaft centre distance \ mm	645	645
Weight \ kg	28,000	33,700
Motor \ kW	2 x 132	2 x 200
Blades	Interchangeable sectors	Interchangeable sectors
Blade thickness \ mm	150	150





Hammer Mills

HAMMER MILLS

MV2000

All structural parts of machine MV 2000 are made of heavy gauge arc-welded steel, forming a compact and robust unit.

Areas in contact with the process material are clad with replaceable wear-resistant plates.

The top and bottom sections of the machine are interconnected by an axis of rotation for machine opening and rotor extraction movements, with a hydraulic power pack to operate the locking pins and movement cylinders.

Hydraulic power pack to operate the main movement and belt tensioning cylinders.

1. Inverter-based rotation speed control
2. Hydraulic belt tensioning system
3. Cutting chamber automatic opening system



APPLICATIONS

WEEE · Ferrous material · Aluminium · Oil filters · PVC profiles · Custom solutions







The MV 2000 hammer mill is designed and built by CAMEC to handle intense and heavy-duty work cycles, working with mixed materials.

TECHNICAL SPECIFICATIONS

- Rotor speed 350-500 rpm (inverter control).
- Double rotation direction (right and left).
- 850 x 600 mm loading port with Hardox-lined cutting chamber.
- Hydraulic belt tensioning system.

MV LINE

	MV2000/19
Overall dimensions \ mm	4,100 x 2,600 x H 4,650
Diameter \ mm	2,000
Loading port \ mm	850 x 600
Weight \ kg	53,500
Motor \ kW	355

MH LINE

	MH900
Overall dimensions \ mm	2.470 x 2.420 x H 4.300
Diameter \ mm	900
Loading port \ mm	1200 x 860
Weight \ kg	15.300
Motor \ kW	200





Horizontal Turbines

The horizontal turbine produced by Camec is designed to optimize the granulation process for both metallic and non-metallic materials.

Specifically, it is used for the production of non-ferrous metal granules, facilitating subsequent separation stages via vibrating screens or density tables.

The horizontal configuration ensures an even distribution of material, enhancing production efficiency and minimizing residual impurities.

1. Maximize efficiency in granule production
2. Improve quality by reducing impurities in the processed material
3. Facilitate the subsequent separation of granules using vibrating screens or density tables, reducing time and costs

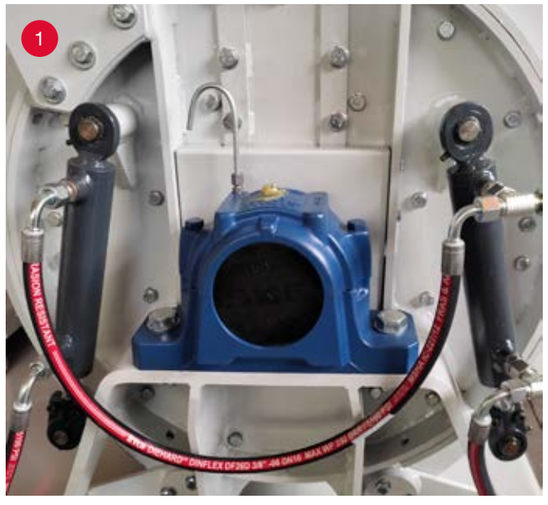
HORIZONTAL TURBINES

TBR650



APPLICATIONS

WEEE · Copper cables · Aluminium · Custom solutions







The robustness and reliability of Camec's design make this turbine ideal for high-performance industrial applications, ensuring a stable and continuous production process.

TECHNICAL SPECIFICATIONS

- Fully automatic chamber opening system for easy maintenance.
- Wear-resistant blades.
- Rotor speed: 1600 RPM.
- Tangential lining with wear resistant C40 material (carbonitriding treatment).

TBR LINE

	TBR650
Overall dimensions \ mm	1,950 x 1,370 x H 1,470
Diameter \ mm	650
Loading port \ mm	150 x 150
Weight \ kg	2,050
Motor \ kW	55





Waste Crushers and Bag Openers

WASTE CRUSHERS

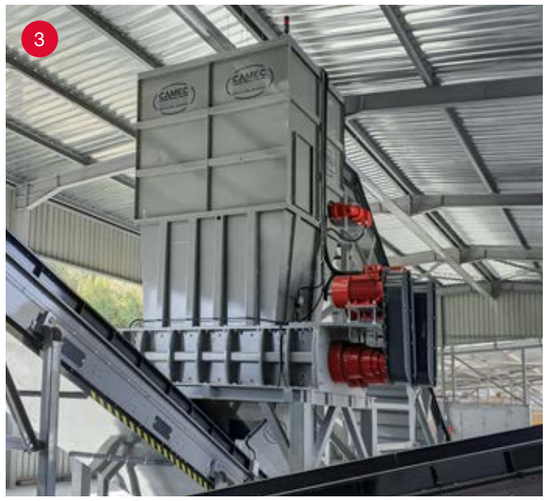
The waste crushers are special two-shaft shredders expressly designed to open the material rather than reducing its volume. Ideal for treatments requiring opening of baled products for subsequent manual sorting or automatic separation.
The special configuration of the blades and the intersection technology make the mill a machine for specific uses in the material separation process. The fact that the machine opens the material but does not cut it into pieces aids the operator and the automatic separation machines in the stage of sorting material by type or by polymer in the case of mixed plastics.

BAG OPENERS

The bag openers are expressly designed to unpack baled materials that are not very tightly compacted.
They are installed in facilities with high flow rates materials such as landfills and municipal collection centres responsible for processing municipal solid waste.







1. Power and reliability for MSW shredding
2. Planetary gearboxes for enhanced performance
3. High throughput in extreme 24-hour work cycles







BAG OPENERS

AS450



APPLICATIONS

Aluminium

Municipal solid waste

Bulky and industrial waste

WEEE

CUSTOM SOLUTIONS

watch the video

Bag openers are expressly designed to unpack bales that are not highly compacted, and to open bags of unsorted municipal solid waste. Bag openers are installed in facilities with a high flow of material such as landfills and urban and municipal collection centres, responsible for processing municipal solid waste in bales that are not highly compacted.
The generously sized hopper mounted above the machine acts as an accumulation chamber, freeing the loading operative who can then perform waste treatment cycle control operations.

TECHNICAL SPECIFICATIONS

- Integral blades mounted in the bag opener / mill version.
- Arc welded fabricated base composed of tubular members and press-formed sheet steel.

AS450 LINE

	AS450/15	**AS450/18**
Overall dimensions \ mm	4,700 x 1,500 x H 630	4,900 x 1,500 x H 630
Cutting chamber \ mm	1,100 x 1,500	1,100 x 1,800
Shaft centre distance \ mm	450	450
Weight \ kg	9,400	10,900
Motor \ kW	1 x 22 + 1 x 55	1 x 22 + 1 x 55
Blades	Unbundling	Unbundling
Blade thickness \ mm	50	50





BAG OPENERS

AST1100



APPLICATIONS

Aluminium

Municipal solid waste

Bulky and industrial waste

WEEE

CUSTOM SOLUTIONS

The AST1100 bag opener is a hydraulically driven single-shaft machine designed to deliver reliable and long-lasting performance. Easily replaceable anti-wear cutters guarantee long life and high efficiency bag opening. In addition, the automatic unshreddables expulsion system helps to maintain efficient and trouble-free processing. These advanced characteristics make model AST1100 a reliable solution for waste management needs in high throughput facilities.

TECHNICAL SPECIFICATIONS

- Integral blades mounted in the bag opener / mill version.
- Arc welded fabricated base composed of tubular members and press-formed sheet steel panels.

AST1100 LINE

	AST1100/15	**AST1100/18**
Overall dimensions \ mm	3,200 x 2,120 x H 1,000	3,500 x 2,120 x H 1,000
Cutting chamber \ mm	1,500 x 1,100	1,800 x 1,100
Shaft centre distance \ mm	680	680
Weight \ kg	5,800	6,800
Motor \ kW	45	55
Blades	Interchangeable sectors	Interchangeable sectors

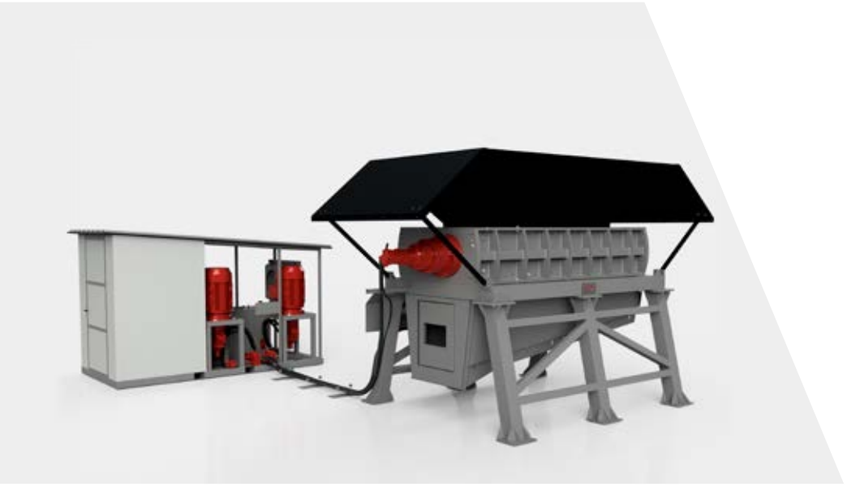





CAMEC
AST1100/18

HIGH-POWERED MILLS

LC520



APPLICATIONS

Aluminium

Municipal solid waste

Bulky and industrial waste

WEEE

CUSTOM SOLUTIONS

The high-powered mills are installed in facilities with a high flow of material such as landfills and municipal collection centres, responsible for handling municipal solid waste, bulky waste items, industrial waste and all baled and loose materials.
Careful design has allowed us to achieve high hourly throughputs with low power consumption, generating reduced consumption in relation to the processed material euro / ton rate.

The generously sized hopper mounted above the machine acts as an accumulation chamber, freeing the loading operative who can then perform waste treatment cycle control operations.
The PLC, responsible for controlling the entire production cycle, blade direction changes, cleaning cycle and rotor speed, allows preset recipes to be saved to facilitate the operator if the same work cycle is to be repeated at a later date.

LC520 LINE

	LC520/20	**LC520/24**
Overall dimensions \ mm	5,350 x 1,500 x H 728	5,850 x 1,500 x H 728
Cutting chamber \ mm	1,300 x 2,000	1,300 x 2,400
Shaft shredder distance \ mm	520	520
Weight \ kg	11,700	12,200
Motor \ kW	2 x 90	2 x 90
Blades	Tearing	Tearing
Blade thickness \ mm	70	70

TECHNICAL SPECIFICATIONS

- Fabricated arc welded shredding section (40 mm gauge steel plate).
- Bearings amply separated from the shredding zone.
- 2 hexagonal section 240 mm shafts.
- Independently driven rotors.
- Integral blades mounted in the mill version.
- Rotation speed of 12/35 rpm for the maximum torque output.







HIGH-POWERED MILLS

LCB710



APPLICATIONS

Aluminium

Municipal solid waste

Bulky and industrial waste

WEEE

CUSTOM SOLUTIONS

The LCB710 mill is a machine with two counter-rotating shafts, independently driven by 2 separate and independent hydraulic pumps.

Milling blades in Hardox 400 are welded to each shaft.

The space between the blades of one shaft and those of the other is such as to prevent the passage of materials with piece size greater than the preset value.

In addition, the presence of the bench under the blades makes it possible to adjust the size of the outfeed material.

The structure of the LCB710 mill is such as to make the machine strong, compact, and robust.

The LCB710 mill is suitable for primary milling of waste in general, or it can function as a bag opener when working with sorted waste.

TECHNICAL SPECIFICATIONS

- Shredding section in arc welded steel.
- 2 cylindrical 295 mm diameter shafts with welded milling blades in Hardox.
- Screening bench located under the blades to control the piece size of the outfeed material.
- Loading hopper.
- Support base.
- Hydraulic transmission unit.







Mobile Shredders

The right solution, where it's needed.

For over thirty years, CAMEC has designed and built turnkey recycling plants. The mobile shredder range takes the same expertise beyond the plant: self-contained machines, designed for the same operational performance as a fixed line — wherever it's needed.

CONDOR, COBRA and CAYMAN share the same proven two-shaft cutting technology: a cutting chamber configurable to the material, heavy-duty components for uninterrupted operation.

Built to shred

Three models available, for every requirement in power, footprint and operating context

Key strengths

CONDOR 1500, COBRA 1800, CAYMAN 2400

- Optimised design for fast, safe maintenance
- Heavy-duty structure for demanding industrial applications
- Low-speed, high-torque technology to reduce vibration and wear
- Replaceable wear-resistant components, for lower operating costs
- Integrated protection against overloads and non-shreddable materials
- Modular design



CONDOR 1500

Compact, versatile, universal.
A high-performance engine and a robust, flexible design allow it to process difficult materials on any type of site, with work programmes selectable according to the material to be shredded.

COBRA 1800

Reliable, versatile, high-performing.
Available in hook-lift or tracked versions, it strikes the perfect balance of power and compactness: a structure built to work under load, even with the toughest materials.

CAYMAN 2400

Powerful, robust, tireless.
Slow-rotation two-shaft system, synchronous or asynchronous depending on the cutting system selected: maximum shredding power, with efficiency and high output even on the most demanding volumes.

For full technical specifications of the line,
see the dedicated mobile shredders brochure.

MOBILE SHREDDERS

CONDOR 1500



Robust. Compact. Versatile.

A 175 kW two-shaft shredder delivering 160,000 Nm of torque, just 2,200 mm wide and weighing around 15 tonnes: CONDOR 1500 works on sites with limited manoeuvring space and is transported without complex dismantling.

Four interchangeable cutting configurations and selectable work programmes adapt the process to the material, from wood to WEEE.

Designed for intensive industrial use.

APPLICATIONS

- Industrial solid waste
- Bulky waste
- Waste wood, green waste and branches
- Paper and cardboard
- Plastic tanks and bumpers
- Collected ferrous scrap and aluminium
- Rubber and end-of-life tyres
- Large household appliances (WEEE)



TECHNICAL DATA

CONDOR 1500

POWER UNIT

Engine
Volvo Penta diesel, 160 or 175 kW, EU Stage V”

Transmission
Hydraulic, Danfoss variable-displacement pumps

Fuel consumption
20 – 25 l/h

Max torque
Up to 160,000 Nm

CUTTING UNIT

Shafts
1,500 mm

Rotor diameter
675 mm

Shaft speed
0 – 34 rpm, synchronous and asynchronous

EXTRACTION AND SEPARATION

Discharge conveyor
Discharge height up to 3,200 mm

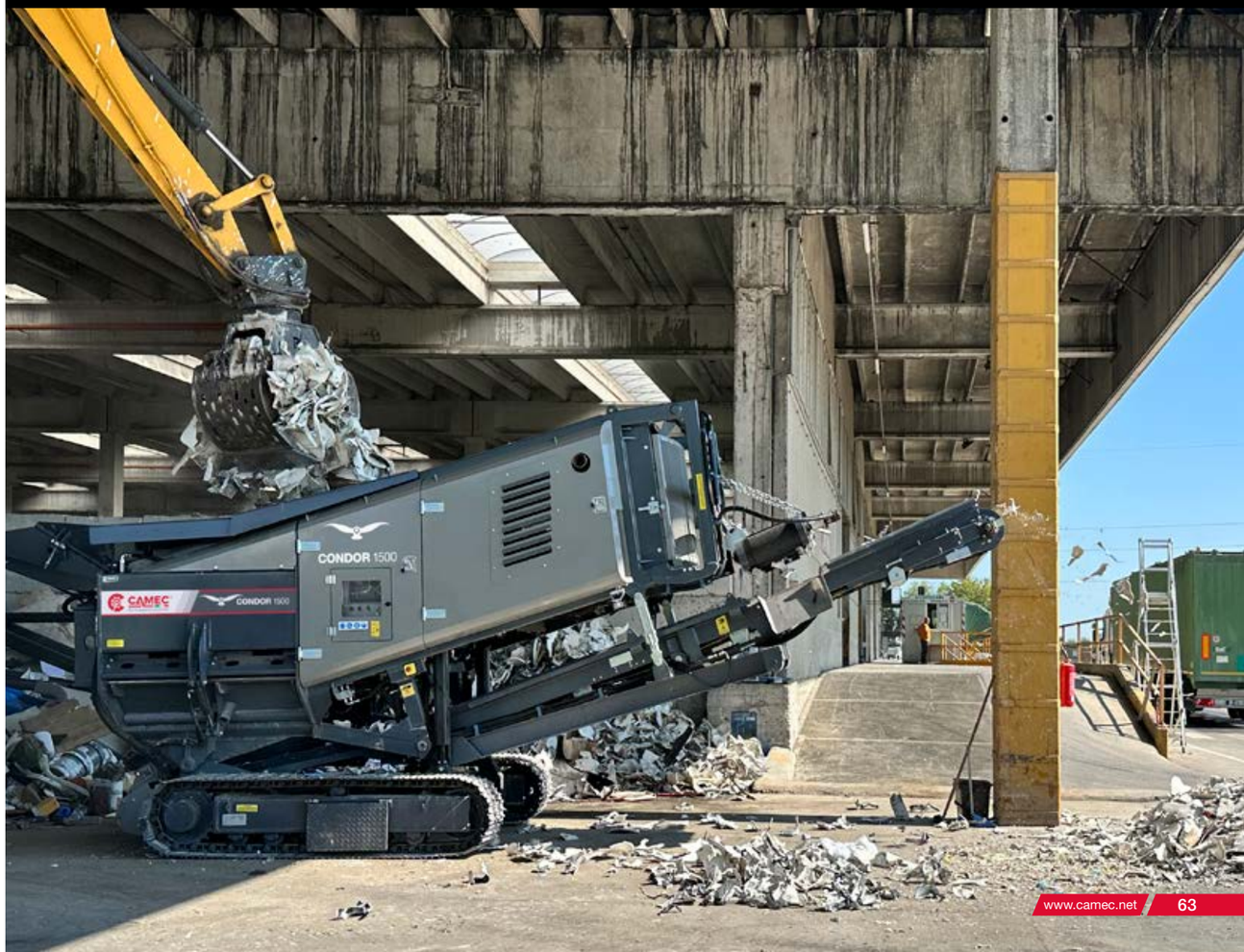
Magnetic separator
Integrated

TRANSPORT

Weight
Approx. 15,000 kg

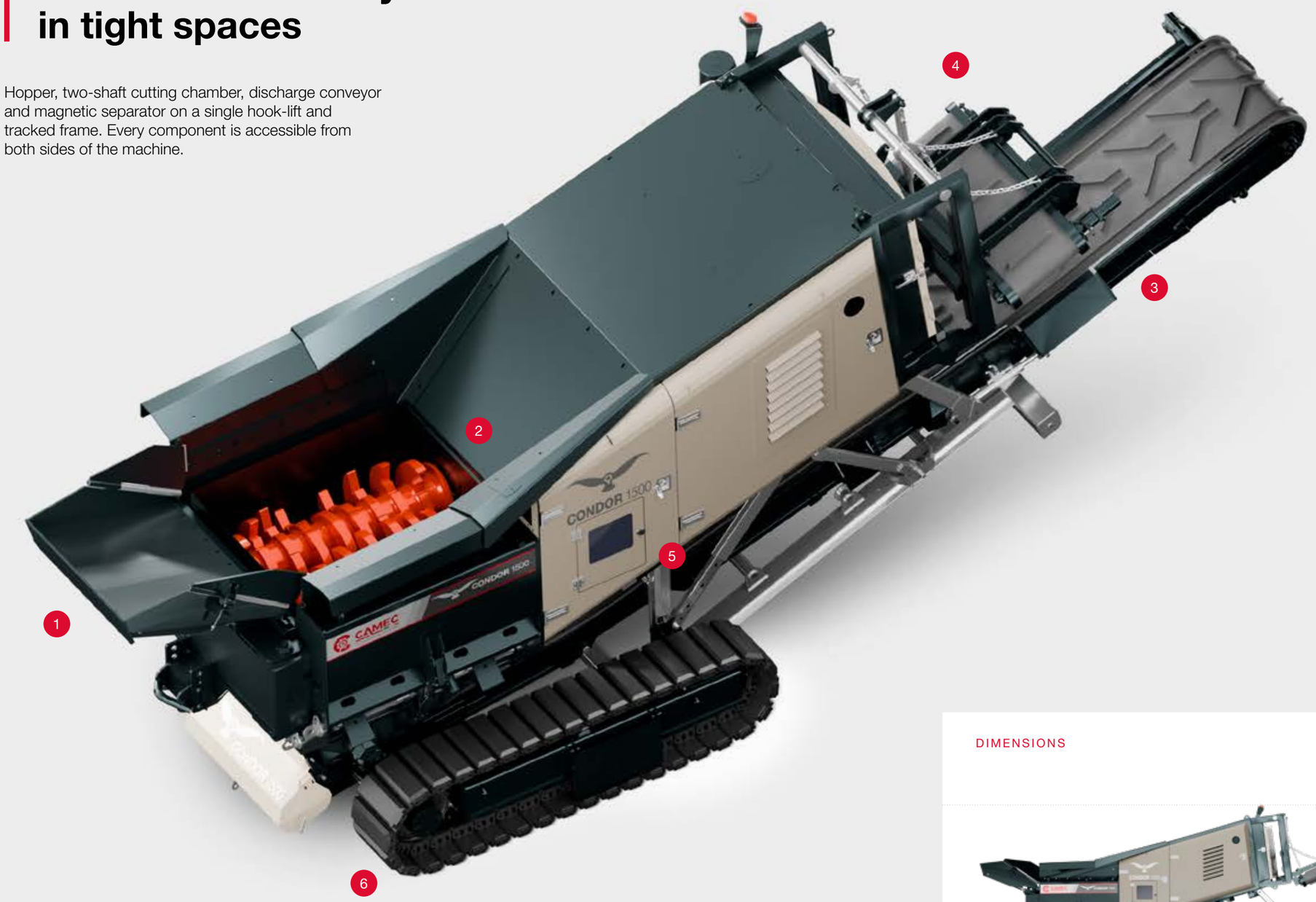
Configuration
Hook-lift and tracked as standard

Transport dimensions
7,500 × 2,200 × H 2,400 mm



Maximum efficiency in tight spaces

Hopper, two-shaft cutting chamber, discharge conveyor and magnetic separator on a single hook-lift and tracked frame. Every component is accessible from both sides of the machine.



MAIN COMPONENTS

1 Feed hopper
Hydraulically tipping, approx. 3 m³, feed opening 3,690 × 1,300 mm. Loaded by wheel loader or grab.

2 Two-shaft cutting chamber
Configurable to the material.

3 Discharge conveyor
800 mm rubber belt, hydraulically folding, discharge height up to 3,200 mm.

4 Magnetic separator
Overband magnet on the discharge conveyor, 1,000 gauss at 200 mm, raised by remote control.

5 PLC control centre
Control panel with PLC and radio remote control, single-operator management.

6 Hook-lift and tracked frame
Hook-lift frame with wheeled axle and tracks, for full autonomy on site.



CONDOR 1500 IN OPERATION

WORKFLOW

Loading
Approx. 3 m³ hopper, loaded by wheel loader or grab.

Shredding
Two-shaft chamber, 0 – 34 rpm, synchronous or asynchronous.

Separation
Magnetic separator integrated over the conveyor.

Discharge
Discharge conveyor, height up to 3,200 mm.

DIMENSIONS

WORKING POSITION



SIDE VIEW



REAR VIEW



MOBILE SHREDDERS

COBRA 1800

Reliable, versatile, high-performing: the perfect balance of power and mobility.

The COBRA 1800 two-shaft mobile shredder handles even the most difficult materials, adapting to different input material flows. The result: consistent output even in the toughest working conditions, with downtime kept to a minimum.

294 kW Scania diesel engine and maximum torque of 220,000 Nm. Available in two versions: COBRA 1800/S, with hook-lift frame, wheeled axle and drawbar, or COBRA 1800/C, tracked, for maximum mobility and stability on site.

APPLICATIONS

- Wood and pallets
- Biomass, prunings and branches
- Paper and cardboard, reels
- Plastic and PVC profiles
- Municipal solid waste
- Bulky and industrial waste
- Mattresses
- Light ferrous scrap
- Aluminium scrap
- Tyres

Both versions share the same cutting chamber and the same synchronous shredding system, with simple maintenance and low operating costs.



TECHNICAL DATA

VALUES: 1800 S HOOK-LIFT / 1800 C TRACKED

POWER UNIT

Engine
294 kW Scania Diesel, EU Stage V

Max torque
Up to 220,000 Nm

Emergency stop system
Standard

CUTTING UNIT

Cutting chambe
1,800 × 1,100 mm

Rotor diameter
615 mm

Shaft speed
0 – 30 rpm, synchronous

Hopper
5 m³

Final output size
≤ 350 mm

EXTRACTION AND SEPARATION

Discharge conveyor
1,000 mm / 80 m/min

Magnetic separator
Standard

TRANSPORT

Weight
17,500 kg / 21,500 kg

Configuration
Hook-lift / Heavy-duty tracked

Transport dimensions*
7,430 × 2,450 × H 2,690 mm / H 2,780 mm

Working dimensions**
12,470 × 2,450 × H 4,950 mm / H 5,050 mm

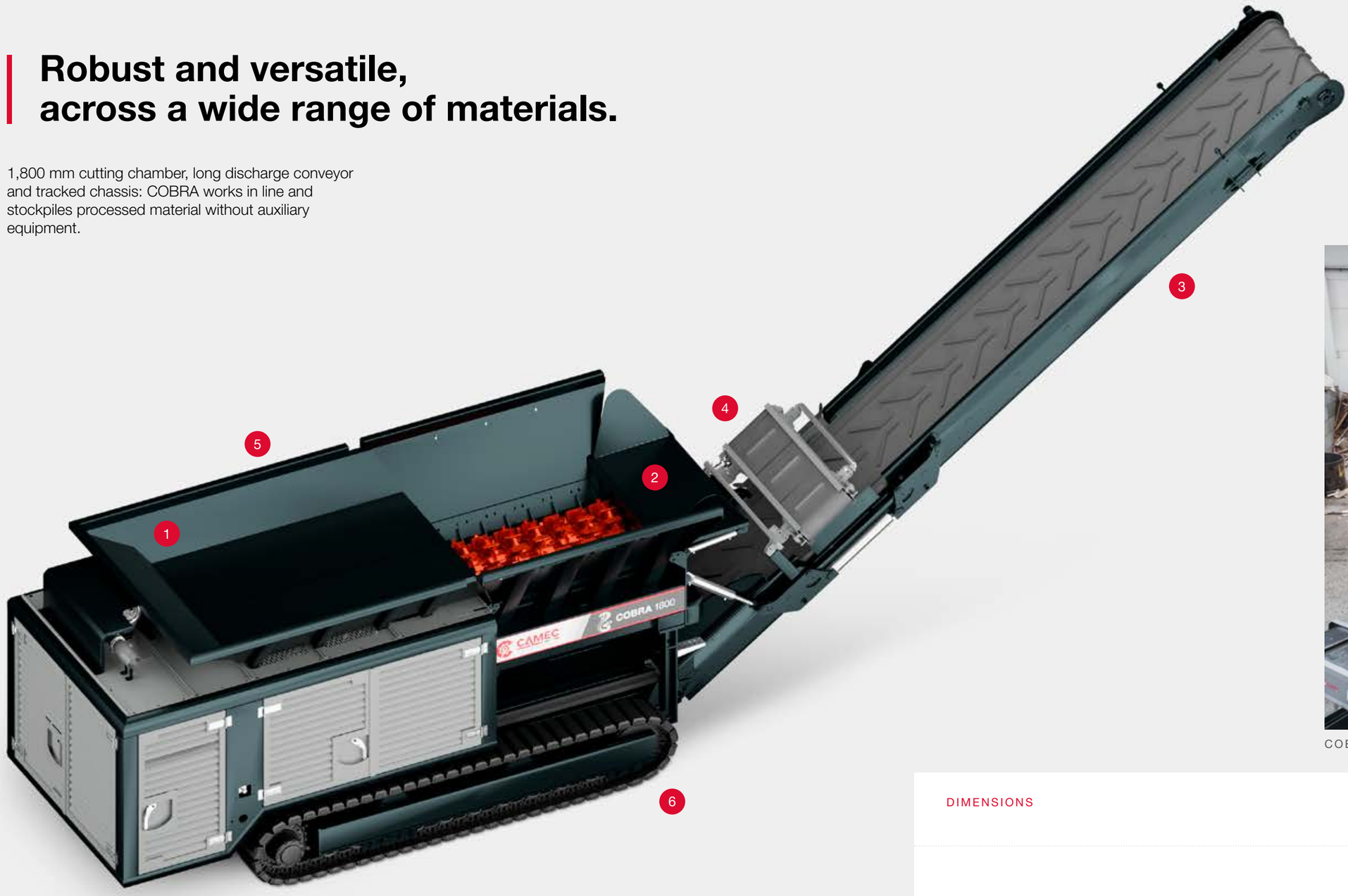
* Dimensions with conveyor folded / ** with conveyor unfolded. Data may vary depending on configuration.



Robust and versatile, across a wide range of materials.

1,800 mm cutting chamber, long discharge conveyor and tracked chassis: COBRA works in line and stockpiles processed material without auxiliary equipment.

watch the video





COBRA 1800 IN OPERATION

MAIN COMPONENTS

1 **Feed hopper**
Split 5 m³ hopper, with hydraulic moving side wall. Loaded by wheel loader or grab.

2 **Two-shaft cutting chamber**
1,800 × 1,100 mm, four interchangeable cutting configurations.

3 **Discharge conveyor**
1,000 mm rubber belt, 80 m/min, folding.

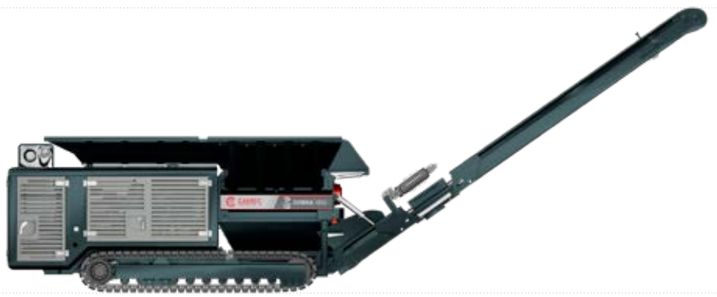
4 **Magnetic separator**
Overband magnet integrated on the discharge conveyor.

5 **PLC control centre**
Control panel with PLC and radio remote control, single-operator management.

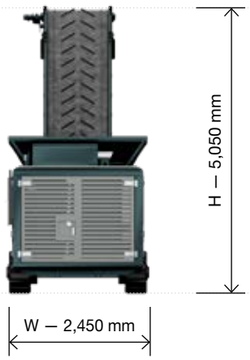
6 **Hook-lift or self-propelled frame**
Hook-lift version with wheeled axle and drawbar, or self-propelled on tracks.

DIMENSIONS

WORKING POSITION - VERSION C



SIDE VIEW



REAR VIEW



MOBILE SHREDDERS

CAYMAN 2400

The most powerful in the range.

CAYMAN 2400 tops the range: slow-rotation two-shaft shredder on a tracked chassis, with a 566 kW Scania diesel engine and maximum torque of 350,000 Nm.

Low rotation speed combined with high torque ensures steady shredding, reduced wear on the cutting tools and low operating noise. Even in the most demanding conditions, the energy used per tonne stays low.

2,350 mm shafts and a 6 m³ hopper for high production volumes. Cutting chamber configurable with three systems: tearing blades, wear-resistant plates and welded blades with aggressive geometry.

APPLICATIONS

- Wood and pallets
- RDF-SRF
- Paper and cardboard, reels
- Plastic and PVC profiles
- Municipal solid waste
- Bulky and industrial waste
- Mattresses
- Metal scrap and aluminium
- Car bodies
- Tyres



TECHNICAL DATA

CAYMAN 2400

POWER UNIT

Engine
566 kW Scania Diesel — EU Stage V

Transmission
Bosch Rexroth / Linde hydraulic motors, Bonfiglioli gearboxes

Fuel tank
Approx. 800 l

Max torque
Up to 350,000 Nm

CUTTING UNIT

Cutting chamber
2,350 × 1,600 mm

Shaft length
2,350 mm

Rotor diameter
650 – 790 mm, depending on configuration

Shaft speed
12 – 30 rpm, depending on cutting system

Shaft rotation
Synchronous or asynchronous, depending on cutting system

FEEDING AND EXTRACTION

Hopper
6 m³ — hydraulically tilting

Discharge conveyor
1,200 mm / 100 m/min — hydraulically retractable

Magnetic separator
Cross-belt, with hydraulic distance adjustment

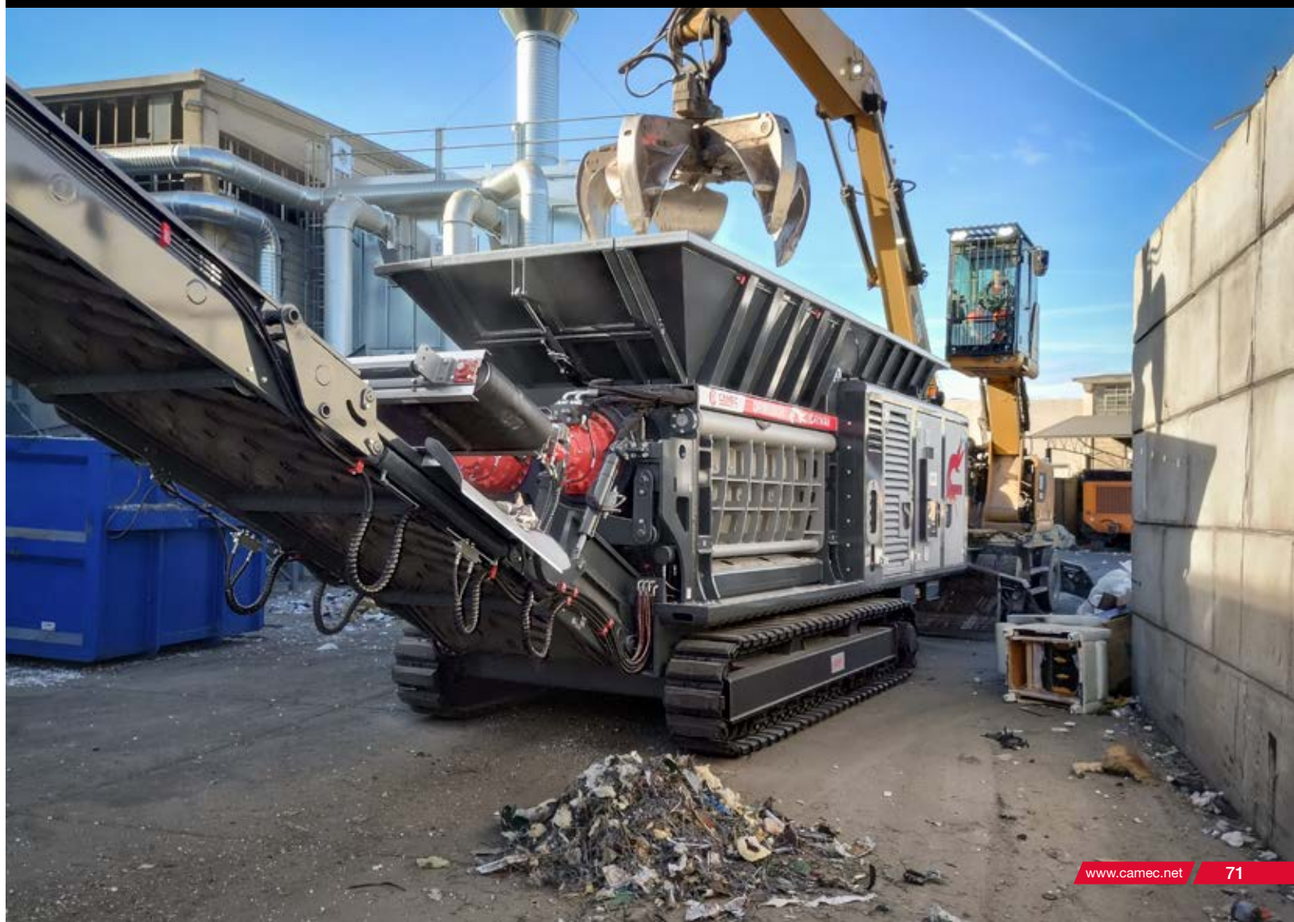
TRANSPORT

Mobility
Self-propelled tracked undercarriage

Weight
Approx. 39,000 – 42,000 kg

Transport dimensions
8,719 × 2,776 × H 3,400 mm

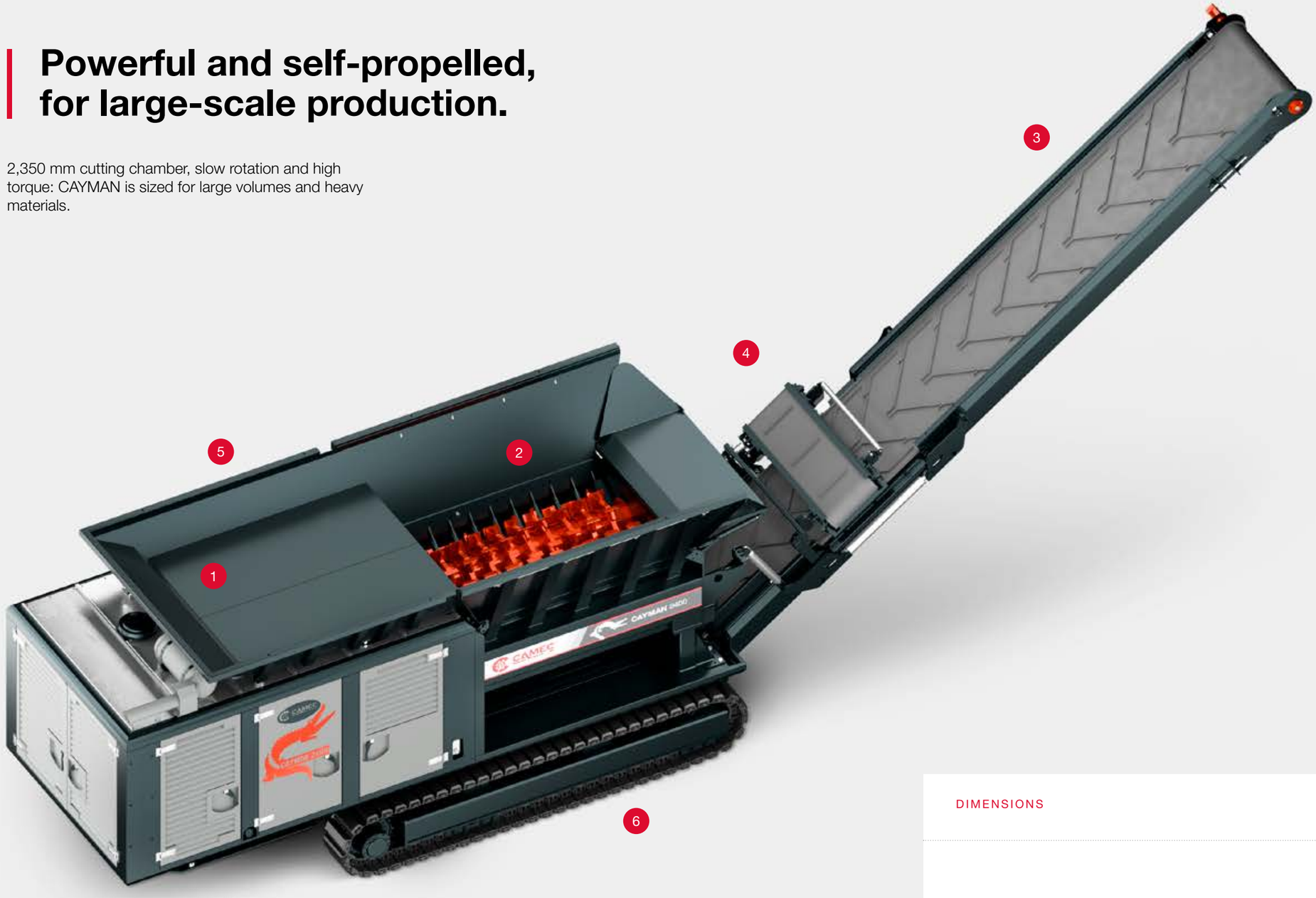
Working dimensions
14,112 × 2,776 × H 5,538 mm



Powerful and self-propelled, for large-scale production.

2,350 mm cutting chamber, slow rotation and high torque: CAYMAN is sized for large volumes and heavy materials.

watch the video



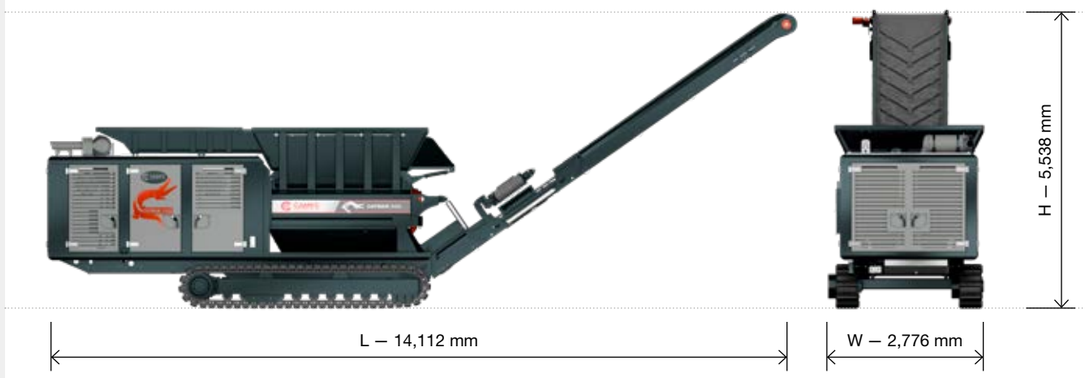


CAYMAN 2400 IN OPERATION

MAIN COMPONENTS

1. **Feed hopper**
   6 m³, hydraulically tilting.
2. **Two-shaft cutting chamber**
   2,350 × 1,600 mm, three interchangeable cutting systems.
3. **Discharge conveyor**
   1,200 mm usable width, hydraulically retractable.
4. **Magnetic separator**
   Cross-belt, with hydraulic distance adjustment.
5. **PLC control centre**
   Touch display and 10-button radio remote control.
6. **Self-propelled tracked frame**
   Hydraulic drive, autonomous even on soft ground.

DIMENSIONS



SIDE VIEW

WORKING POSITION

REAR VIEW

Single-shaft bale openers

The single-shaft bale openers of the VR line offer high quality standards and performance levels, especially in processing paper and cardboard in bales or as loose material.

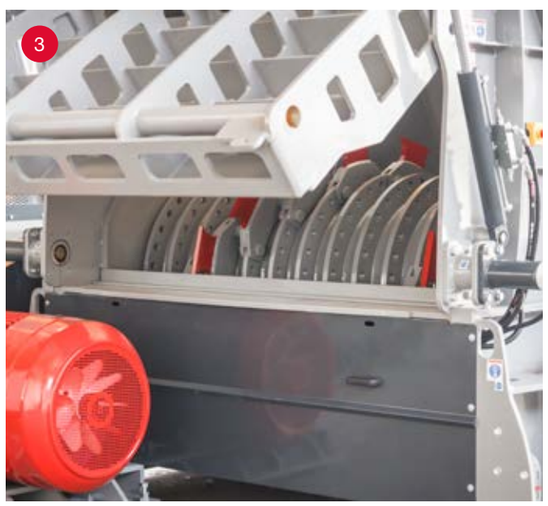
This process is used for processing bales of mixed materials, and also for recovering any ferrous and non-ferrous metals within the compacted material.

The machine is configured to have an infeed conveyor and a discharge conveyor.

1. Belt transmissions
2. HARDOX tooth rotor
3. Rotor service compartment automatic opening
4. Rotor drive pulley with safety device









SINGLE-SHAFT BALE OPENERS

VR950



The machine VR950 is equipped with a hydraulic power pack to operate the hydraulic cylinders responsible for locking and moving the service compartments and the size regulator comb.

The machine is configured to operate with material feeding and discharge conveyors.

VR950 LINE

	VR950/15	**VR950/20**
Overall dimensions \ mm	3,547 x 2,408 x 2,130	3,547 x 2,908 x 2,130
Working chamber \ mm	1,900 x 1,500	1,900 x 1,900
Weight \ kg	10,100	12,300
Hopper \ m³	4.5	6.0
Rotor diameter \ mm	1,213	1,230
Installed power \ kW	75	132
Discharge port \ mm	1,500 x 500	1,900 x 500
Shredding blades \ mm	205 x 215 ±	205 x 215 ±

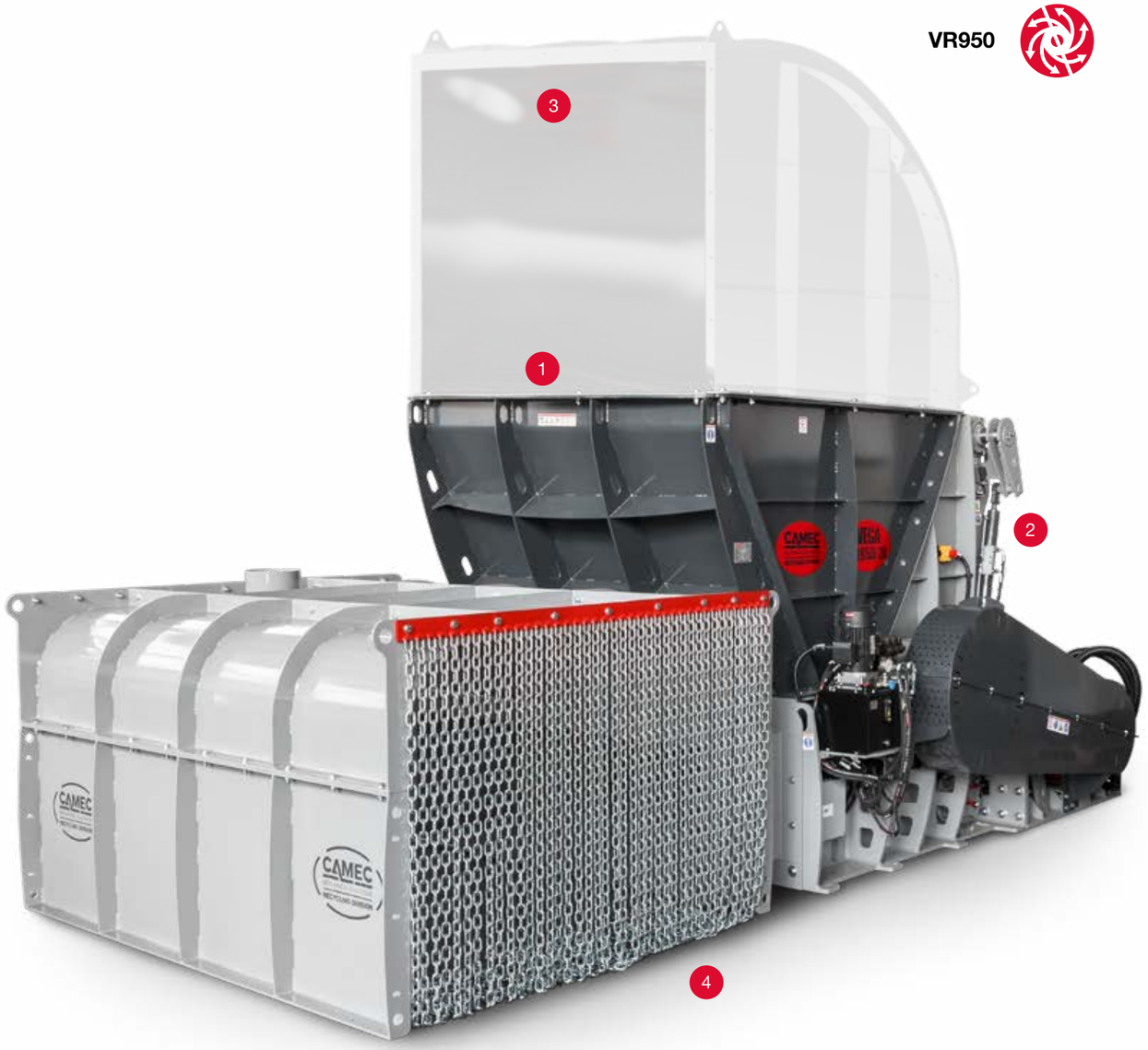
APPLICATIONS

Paper and cardboard

CUSTOM SOLUTIONS













1

Rotor with shredding profile

Rotor composed of a central barrel with a series of welded rings having evenly spaced holes that allow various blade positioning configurations.

Shredding blades

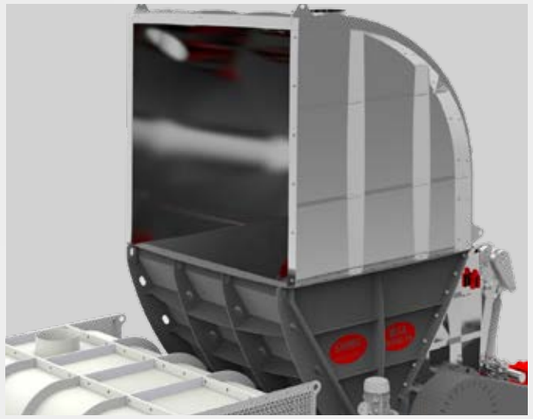
The special tool configuration makes it possible to open the bales without reducing the piece size, making the machine highly aggressive and assuring high throughput with low power consumption, without the assistance of a pusher to force the material against the rotor.



2

Rotor service compartment

The machine is equipped with a hydraulically operated compartment to allow fast and easy access to the rotor so the blades can be replaced with minimal downtime.



3

Closed hopper with port for connection of a dust extraction system

Made of welded and pressed sheet steel with stiffening ribs.



4

Enclosed material discharge tunnel with port for connecting a dust extraction system

Tunnel ends closed with chain screens designed and built to prevent the expulsion of shredded material. Constructed with a port for connection of a dust extraction system.

Compactors and Balers

VERTICAL BALERS

P100T/P120T

Waste compactors ideal to compact and reduce the volume of cans, containers, paper, cardboard, plastic and metal drums, etc. by means of the pressure exerted on the waste materials by a pressing plate.
The waste compactors are differentiated based on the pressing plate movement system, the size of the baling chamber, and the pressing force. The range of machines on offer is from simple manual models to large machines with automatic bale strapping.

1. Effective volumetric reduction in a compact format
2. Constructed with top quality components
3. Bottom-up pressing plate
4. Electric motor: 1.5 kW 380V 50 H



APPLICATIONS

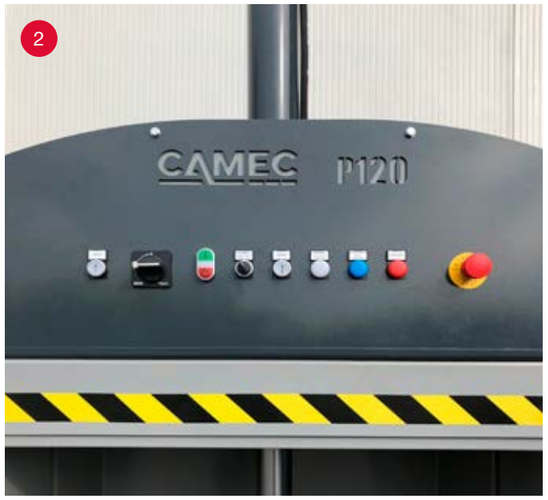
Paper and cardboard

Plastic

CUSTOM SOLUTIONS

watch the video









CAMEC vertical balers are particularly suitable for the volumetric reduction of packaging waste, ideal for baling small quantities of paper and cardboard, and also leather, rags, and fabrics, agricultural films and PET bottles.
These machines are available in 4 models, differentiated according to the thrust force exerted, with strapping always performed manually. Fully designed and built in house, our balers are made with very high quality components designed to facilitate their use and minimize downtimes.

TECHNICAL SPECIFICATIONS

- Total compaction time: 35” normal.
- 4 wire feeder openings (2 front + 2 side) for bale strapping.
- Built-in hydraulic power pack with hydraulic oil tank capacity of 30 l approx.
- Mechanical bale expulsion.
- Pressing plate with internally notched slots.

P100T/P120T LINE

	P100T	**P120T**
Overall dimensions \ mm	1,220 x 920 x H 3,020	1,220 x 920 x H 3,020
Compacting chamber \ mm	800 x 700 x 1,000 max	800 x 700 x 1,000 max
Weight \ kg	780	830
Installed power \ kW	3	3
Cycle time \ sec	35”	35”
Pressure \ ton	10	12
Bale weight \ Kg	160 ~	180 ~





VERTICAL BALERS

P130T/P230T



APPLICATIONS

Paper and cardboard

Plastic

watch the video

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- Total compaction time: 35” normal.
- 4 wire feeder openings (2 front + 2 side) for bale strapping.
- Built-in hydraulic power pack with hydraulic oil tank capacity of 30 l approx.
- Mechanical bale expulsion.
- Pressing plate with internally notched slots.

P130T/P230T LINE

	P130T	**P230T**
Overall dimensions \ mm	1,630 x 1,140 x H 2,600	1,630 x 1,140 x H 2,600
Compacting chamber \ mm	1,200 x 800 x 1,500 max	1,200 x 800 x 1,500 max
Weight \ kg	1050	1130
Installed power \ kW	7,5	11
Cycle time \ sec	35”	35”
Pressure \ ton	13	23
Bale weight \ Kg	240 ~	270 ~





CAN CRUSHERS

SB30



APPLICATIONS

Aluminium

Plastic

Industrial can crusher, ideal for compaction and volume reduction of drums, cans, and containers made of tin, with max capacity of 30 l, thus allowing a reduction in the cost of subsequent storage, disposal, or recovery of the materials in question.

TECHNICAL SPECIFICATIONS

- Electric motor: 1.5 kW 380V 50 Hz.
- Available also in 220V version.
- Maximum crushing pressure: 4.5 ton.
- Bottom up pressing plate guided in 4 points by means of self-lubricating guides.
- Liquid collection tray.

SB30 LINE

	SB30 P	**SB30 I**
Overall dimensions \ mm	409 x 504 x H 1,673	409 x 504 x H 1,673
Processing chamber \ mm	336 x 331 x H 580	336 x 331 x H 580
Weight \ kg	120	120
Installed power	6/8 bar	1.5 kW
Cycle time \ sec	12”	12”
Pressure \ ton	2.5	4.5







Transport Systems

CAMEC offers customers a comprehensive service for handling all types of treated materials, available in various lengths and widths for loading and discharge, with an extensive range of PVC belts, metal tapes conveyors for transporting incandescent materials, rubber faced metal tapes conveyors for high density materials and small piece sizes, black rubber belts with vulcanized cleats, and screw conveyors.

1. Belts for handling material of all types and sizes
2. Available in different lengths and widths depending on loading and unloading requirements
3. Total customization to meet customer needs











TRANSPORT SYSTEMS

Rubber Conveyor Belt



The conveyor, with black rubber three-ply belt and vulcanized load cleats, is complete with roller supports for the belt return side. Tracking profiles mounted in clearly defined positions ensure correct alignment of the belt during the operating cycle. The drive head with adequately powered gearmotor is equipped, like the idle head, with the belt tensioning and alignment system. Containment sidewalls and hoppers can be customized and the feet are all height adjustable. The conveyor bed can vary depending on the use. It will be composed of straight cylindrical rollers in the case of narrow conveyors, or concave rollers on large size conveyors.

TECHNICAL SPECIFICATIONS

- Product containment sidewalls.
- Support structure with height adjustable feet.
- Side inspection hatches for easy access to the belt for maintenance.
- Installed power: 3 kW.
- Speed 30 m/min approx.









TRANSPORT SYSTEMS

Metal Tapes Conveyor



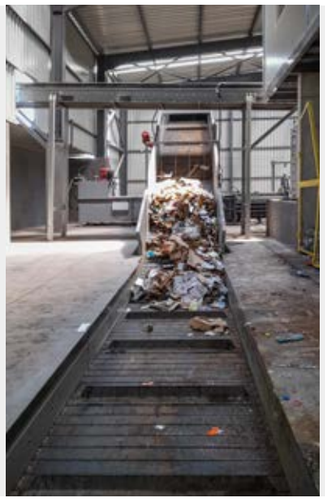
Conveyor in press-formed tapes with structure made of arc welded and painted steel sections, suitable for transporting medium-heavy materials.
The pressed tapes are fastened at both ends to the side drive chains by means of screws and they can be replaced for easy maintenance.
The conveyor is driven by means of a drive shaft coupled directly to the gear reducer and equipped with chain drive sprockets.
The special radiused profile of the tapes minimizes infiltration of material between the tapes, which self-clean during belt rotation.

TECHNICAL SPECIFICATIONS

- Heavy gauge metal tapes conveyors, suitable for severe duty and with a long lifetime.
- Generously sized drive unit with flanged shaft for easy maintenance.
- Brake motor to prevent material slippage in case of system stops.
- Pre-stretched drive chain with hardened wheels, bushes and pins.









TRANSPORT SYSTEMS

Rubber-faced Metal Tapes Conveyor



In metal tapes conveyors the frame is made of heavy gauge arc welded tubular members with regularly spaced cross frames composed of bolt-together modules to facilitate assembly with interchangeable slide shoes for the chains, height adjustable feet, side and lower casings to protect the chains.

The metal tapes with back three ply rubber cladding allow use of these conveyors in medium-heavy load applications and with a high percentage of small piece sizes.

TECHNICAL SPECIFICATIONS

- Product containment sidewalls.
- Support structure with height adjustable feet.
- Side inspection hatches for easy access to the belt for maintenance.





TRANSPORT SYSTEMS

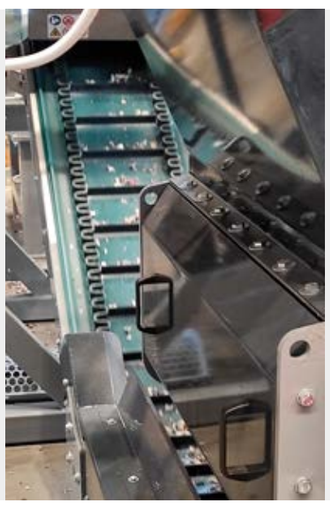
PVC Belt Conveyor



Composed of a structure in press formed sheet steel with a PVC belt, this conveyor is ideal for transporting materials of all types. The belt moves by sliding on the sheet metal bed.
The PVC conveyor belt with cleats is complete with supports, rollers, tracking profiles, drive head with gearmotor of suitable power, idle head, belt tensioner, containment sidewalls, possibly with hoppers in the initial section and height adjustable feet. These belts can reach very high transport speeds.

TECHNICAL SPECIFICATIONS

- Installed power: 3 kW.
- Speed: approx. 30 m/min.
- Product containment sidewalls.
- Support structure with height adjustable feet.
- Side inspection hatches for easy access to the belt for maintenance.
- Loading hopper to feed the material to be carried onto the belt.







TRANSPORT SYSTEMS

Screw Conveyor



Usually installed downline of single-shaft shredders, screw conveyors ensure transport of the material to the next processing stage or to the point of discharge into big-bags.

Available in open trough versions with covers for easy maintenance and cleaning, and also in tubes of various diameters to guarantee the maximum liquid tightness, screw conveyors are ideal for transporting light materials such as granulated plastic, wood, or rubber. Available in various lengths and diameters, screw conveyors are constructed with perforated sections in certain parts to allow controlled drainage of liquids.

TECHNICAL SPECIFICATIONS

- Motor and gear reducer flanged directly onto the shaft mounted on a torque arm located at the top of the screw.
- Bearing in the lower part equipped with shaft seal to prevent dust ingress and separate from the screw containment walls to ensure any dust content can drop to the floor.
- Central support prop.
- Floor anchor bracket on the lower part.







TRANSPORT SYSTEMS

Eccentric Weights Vibrating Conveyor



Composed of a robust arc-welded trough supported on anti-vibration mounts and housed in a suitably braced metalwork frame secured to the floor. The frame also allows a degree of inclination of the trough such as to achieve the optimal condition for the flow of material in the trough.

The internal plastic lining reduces noise levels and prevents damage to the transported products for applications in which this is a requirement.

The drive unit is sized time by time based on the process characteristics.

TECHNICAL SPECIFICATIONS

- Robust support structure in arc-welded tubular members.
- Arc welded conveyor trough resting on anti-vibration mounts.
- Open Style.
- Conveyor surface in carbon steel.



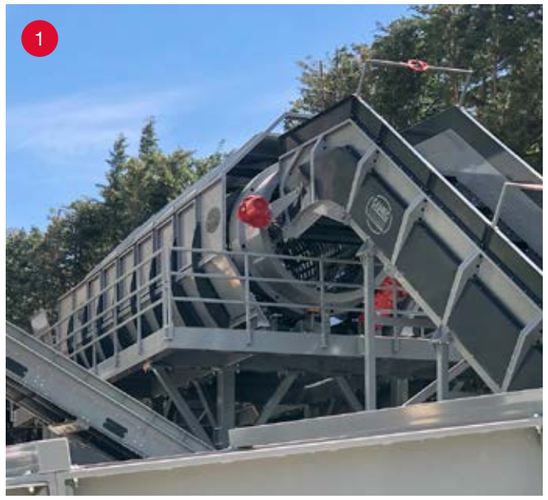


Screens

Disk screens, daisy screens, rotary screens and vibrating screens are key components in recycling plants because they allow separation and sizing of solid waste, and the successive screening stage.

All wear parts of the screen are made of hardox for lower maintenance costs.

1. Accurate screening for extremely accurate results
2. Sturdy arc-welded structures
3. Heavy foreign material separation capability, plus high wear resistance











SCREENS

Disk Screen



watch the video

Disk screens are machines installed in recycling plants and suitable for separation of large quantities of pre-shredded material such as industrial waste, bulky waste and wet waste.
These machines guarantee high throughput and, thanks to a large range of interchangeable accessories, they guarantee high sizing precision, apart from being able to transport heavy foreign materials.
The rollers offer high wear resistance and durability.
The screening shafts are divided into infeed rollers and outfeed rollers with different shapes, and feature independent transmission. This feature allows optimal distribution of the material across the entire screening surface.

TECHNICAL SPECIFICATIONS

- The disks are designed with a triangular shape to facilitate separation between heavy and light materials.
- The shape of the smooth disks allows rapid cleaning, because the shafts can be easily reached with high pressure jets.
- Any material that becomes wrapped around the shaft can be rapidly removed by cutting, since the build-up is easily accessible thanks to the shape of the disks.







SCREENS

Rotary Screen



watch the video

The rotary screen is a system to separate material to obtain a predetermined piece size.
Installed horizontally in a robust metalwork structure and mounted on wheels running in turned tracks, the screen generates rotary motion that agitates the material it contains.
The system is generally equipped with interchangeable perforated sheet steel panels around the perimeter of the rotary drum, with holes of different diameters in the material infeed section versus the discharge section. The drum is caused to rotate by an electric motor or hydraulic unit and it can be angled to optimize and extend the flow-through time of the material it contains.

TECHNICAL SPECIFICATIONS

- Robust screen support structure made of tubular members, complete with inspection gangway on both sides and access ladder.
- Under screen collection hopper and over screen feeding hopper.
- Structure composed of HEB girders and tubular members to support the screen and the belt.
- Robust arc welded cylindrical structure with bolt-on grids having different perforation sizes based on separation requirements.







Mobile Rotary Screen



Rotary screens are ideal machines for the separation of large quantities of pre-shredded materials, such as industrial waste, bulky waste, and biomass.
Thanks to their unique configuration, these machines ensure high capacity and precision in selection, the ability to handle heavy “foreign” materials and excellent wear resistance. The mobile rotary screen consists of a robust, cylindrical, welded frame, onto which grids with variable perforation diameters are mounted according to separation needs.
The screens, bolted to the frame, are easily replaceable.
The screen is available in the following configurations:

- Screen with a single dimension hole to achieve two separations (above and below the sieve).
- Screens with two different dimensions holes to achieve three separations (above the sieve and two below the sieve).

The machine is equipped with four wheels and a towing bar for easy mobility. It also features hydraulic stabilizers, ensuring greater safety during the screening process.

TECHNICAL SPECIFICATIONS

- N° 5 Polypropylene cleaning brushes.
- Hydraulic stabilization system of the machine.
- N° 4 Wheels D.800 for yard transport.
- Retractable side belt drive and stabilizers.
- Static braking system with steering wheel.

Mobile Rotary Screen	
External dimensions \ mm	2,500 x 8,600 x H 2,960
Internal diameter \ mm	1,400
Loading hopper dimensions \ mm	2,750 x 1,650 x H 900
Total screening length \ mm	3,700
Weight \ kg	12,900
Installed power \ kW	24











SCREENS

Daisy Screen for Tyres



APPLICATIONS

Tyres

watch the video

The daisy screen is composed of a series of screening shafts, held by a roust frame to which are welded a series of disks having a special “daisy” shape, variable in accordance with the type of material to be processed.
The screen is located at the outlet of the primary shredding stage and it results in separation of smaller piece sizes. The screen is installed at the outlet from the primary shredding stage, where it separates smaller pieces from larger ones, discharging the screened material onto a conveyor belt that returns it to the shredder to create a continuous flow such that only the under screen piece size, decided beforehand, will progress to the next shredding cycle.
Conversely, larger pieces are returned to the shredder by means of the daisy screen and conveyor, thus creating a continuous cycle.

TECHNICAL SPECIFICATIONS

- Chain transmission between drive shaft and idle shafts.
- Robust support structure.





SCREENS

Vibrating Screen



watch the video

The vibrating screen is a system that exploits undulatory and shaking motion to separate the material from the dust/chips, thanks to the presence of a perforated surface over the entire length of the screen.
The material is also distributed over the entire surface of the vibrating screen uniformly to allow more effective separation in the subsequent phases.
The dust or fine material drops from the underside of the screen through the holes in the transport bed, while the remaining material is discharged at the end of the trough conveyor.
The motors deliver mono-directional vibration, imparting movement and transport direction to the material.

TECHNICAL SPECIFICATIONS

- Robust frame in arc-welded tubular members.
- Arc-welded trough resting on anti-vibration mounts.
- Removable perforated sheet steel panels over the entire length, fixed to the conveyor trough.
- Open Style.
- Screening table in carbon steel.





Separators

Our separation systems, an integral part of our S line, are commonly installed immediately downline of the product shredding stages.

These advanced systems are designed to allow precise separation of the various types of components of the treated material.

The secret of their success lies in their ability to exploit different physical characteristics of the materials, including density, shape, particle size, and so forth. This highly specialised approach allows us to obtain excellent results in separating mixed materials, guaranteeing a high degree of purity of each separated component.

1. High quality standards
2. Valorization of processed material according to its physical characteristics
3. Efficient machines, offering lasting reliability and ease of maintenance







SEPARATORS

Ferrous Metal Separator



The ferrous metal separator has a robust frame consisting of a rigid structure made of UPN channels. The system has a closed loop triple-ply rubber belt with cleats and a perpetual magnetic field, formed by permanent magnets inside the belt.

The separator is mounted transversely or longitudinally with respect to the shredded material discharge conveyor, from which it removes ferrous metals thanks to its internal magnetic field.

To be installed transversely with respect to a conveyor belt at a distance of 100/150 mm from the belt surface.

TECHNICAL SPECIFICATIONS

- Support frame made of arc welded tubular steel.
- Modular structure in stainless steel.





SEPARATORS

Electrostatic Separator



The separator is designed for dry separation of mixed loose material and particularly for separating polymers with different electrostatic charges.

For example, in case of shredded window profiles, it separates hard PVC from soft PVC + rubber.

TECHNICAL SPECIFICATIONS

- High purity of recovered materials.
- Easy operation and maintenance.
- Low power consumption.





SEPARATORS

Inductive Current System



Induction separators, also called eddy current separators or Foucault's current separators, make it possible to achieve excellent separation of non-ferrous metals (aluminium, copper, brass, etc.), inert materials (glass, stone, plastic, paper, wood, etc.), and small ferrous metal parts that may not be intercepted by conventional magnetic separators.

Three types of materials can be obtained, efficiently separated from one another.

Before reaching the separation system the material must be deferrized by means of magnetic separators.

TECHNICAL SPECIFICATIONS

- Made of heavy gauge arc welded carbon steel plates complete with adequate reinforcements.
- Open style.
- Robust support structure.
- 4 flexible elements to connect the vibrating conveyor to the support structure.





SEPARATORS

Magnetic Drum for Ferrous Material



This system is to be installed in a line for separation of ferrous from non-ferrous materials.

The use of magnetic drums is particularly indicated when accurate separation is essential in order to protect the downstream machines in the plant.

TECHNICAL SPECIFICATIONS

- Heavy duty version for flow frontal operation.
- Transverse polarity magnetic field created with ferrite magnets.
- Side flanges in stainless steel: diameter 1200 mm.
- Drum supporting structure and drive unit.





SEPARATORS

Dual Stage Densimetric Table

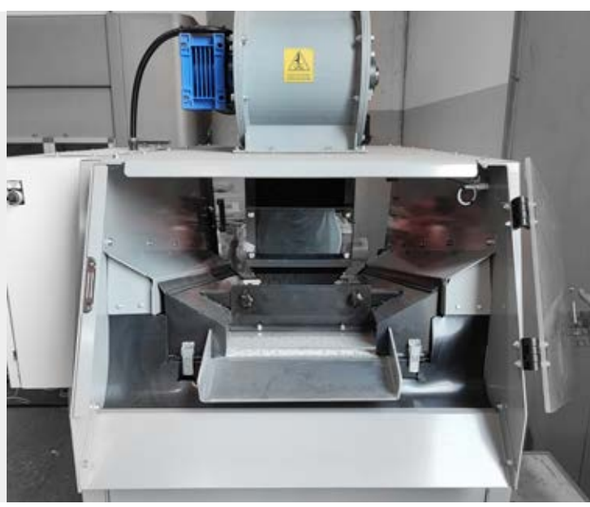


This device is expressly designed to separate light from heavy materials by exploiting the effects of combined undulatory and shaking motion. Designed to divide shredded materials of identical particle size but with different weight density.
The system operates dry by means of eccentric weights and it imparts vibration of the slightly inclined plane on which the material travels, causing light material to rise and heavier material to fall. Installed in a pressurized chamber, the separator moves in the opposite direction to the air flows, which can be regulated by means of pneumatic gate dampers. The air flows cause the removal of heavier or lighter bodies with respect to the specified size and weight. Material processed on densimetric separation tables reaches purity levels of up to 98%.

TECHNICAL SPECIFICATIONS

- Separation table.
- Fan for suspension of light material.
- Vibrators for separation of heavy material.
- Fan-cyclone-rotary valve system to load the material to be separated.
- Extractor fan for dust removal from the separation chamber to be connected to a filter.





MY CAMEC — CREATING VALUE OVER TIME

A plant's value isn't measured at delivery

It is measured in production.
Under load.
Over time.

MAINTENANCE IS PART OF PERFORMANCE

After-sales service is not an accessory — it is an essential component of every supply. MY CAMEC keeps machinery and plants at peak performance — from start-up through to end of service life.

A plant performs as well as its maintenance. With scheduled interventions, OEM spare parts, and continuous technical support, MY CAMEC ensures:

- Sustained high performance over time
- Reduced downtime and operational costs
- Greater component life and reliability
- Uninterrupted operational continuity

SERVICE PORTFOLIO

CAMEC support does not end at delivery. We work alongside our customers with training, direct assistance, and continuous updates — so that the performance agreed at the engineering stage is maintained for the full service life of the plant.

- Residual life assessment and plant revamping
- Remote and on-site technical assistance
- OEM spare parts with fast lead times
- Scheduled maintenance — routine, corrective, and opportunistic
- Customised annual, biennial, and triennial service programmes
- Operator training and ongoing technical updates

MY CAMEC: because the value of a plant doesn't end at delivery.



CERTIFIED QUALITY

International standards

Internal control.
Across every phase.

CAMEC operates to certified standards in Italy and Spain, with direct control from design through to installation. Certifications are not a compliance exercise — they are the result of a quality system built over time.

ISO 9001
Quality Management

EN 1090-1
Steel and Aluminium Structures

ISO 14001
Environmental Management

SOA
Public Works Certification

EcoVadis
Corporate Sustainability

Impresa 4.0
Digital Transformation



Custom-engineered is not an option.

It is our starting point, our working method, and the measure against which we evaluate every result.

Since 1993 — Made in Italy

TELL US ABOUT YOUR PROJECT
We provide you with the most appropriate SOLUTIONS based on your specific technical needs.

CAMEC continuously improves its products based on customer feedback; the data, descriptions, and images in this catalogue are therefore indicative.

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