



# CAMS

IL FUTURO È VERDE

COMPANY & PRODUCT PROFILE





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The foundations of shredding excellence

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## From demolition to recycling

**“Recycling means giving new life to materials.”**

**CAMS** is specialized in the design and construction of machines and plants for crushing, shredding and screening of inert materials, rubble, asphalt, glass and other production waste, converting them into resources useful for new production cycles.



## The foundations of shredding excellence

Since 2001, with the acquisition of the TEM brand (active since 1964), **CAMS** develops stationary, mobile and transportable plants for the recycling industry.

The expertise gained on hundreds of projects has made the company a reference point both in Italy and worldwide, relying on its network of qualified professionals and distributors.



## MISSION AND VALUES: OUR FOCUS ON RECYCLING



### Mission

Designing technologies to improve the efficiency of the recycling process and drastically reduce waste, promoting a circular economy.

### Values

**Seriousness and competence:**  
from advice in pre-sale to after-sales.

**Research and continuous innovation:**  
focus on energy consumption, low emissions and modularity.

**Care for the environment:**  
hybrid/electric power, hydraulic pushers, reduced dust and noise.

**Global presence:**  
fast and qualified international assistance.

“Every scrap recycled is a step towards a cleaner planet.”



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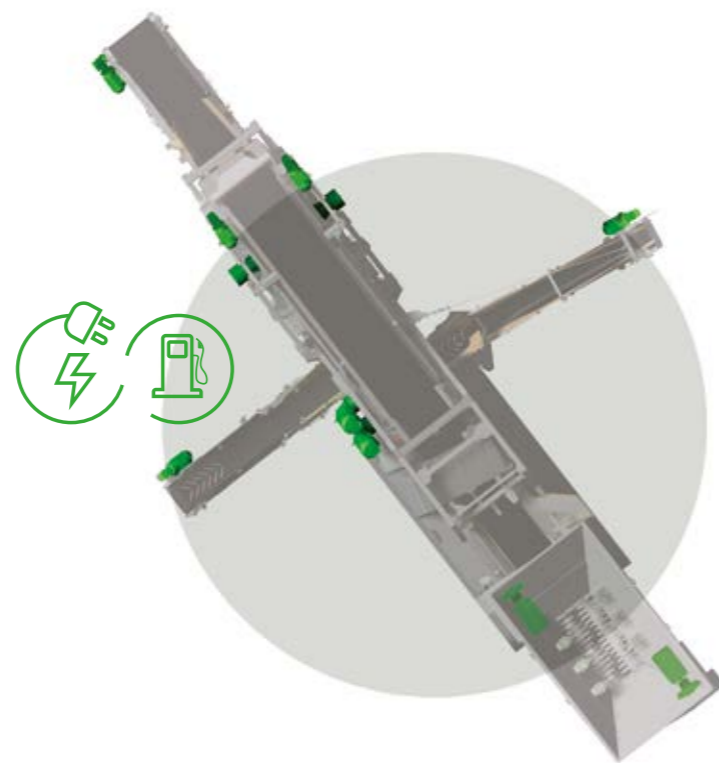
## HYBRID SHREDDING TECHNOLOGIES AND INTEGRATED SOFTWARE

### Shredding

#### High productivity, low environmental impact

The CAMS shredders operate at low speed, taking advantage of the shear stress:

- **Lowest fuel consumption and wear**
- **Containment of dust and noise emissions**
- Patented hydraulic fingers for easy handling of large size material



### Power supply

#### Hybrid/electric power and emission reduction

- Diesel engines at steady state (1500 rpm) and electric generators
- **Full-electric** mode on site, no CO<sub>2</sub> emissions
- Reduced operating costs and compliance with the strictest environmental regulations

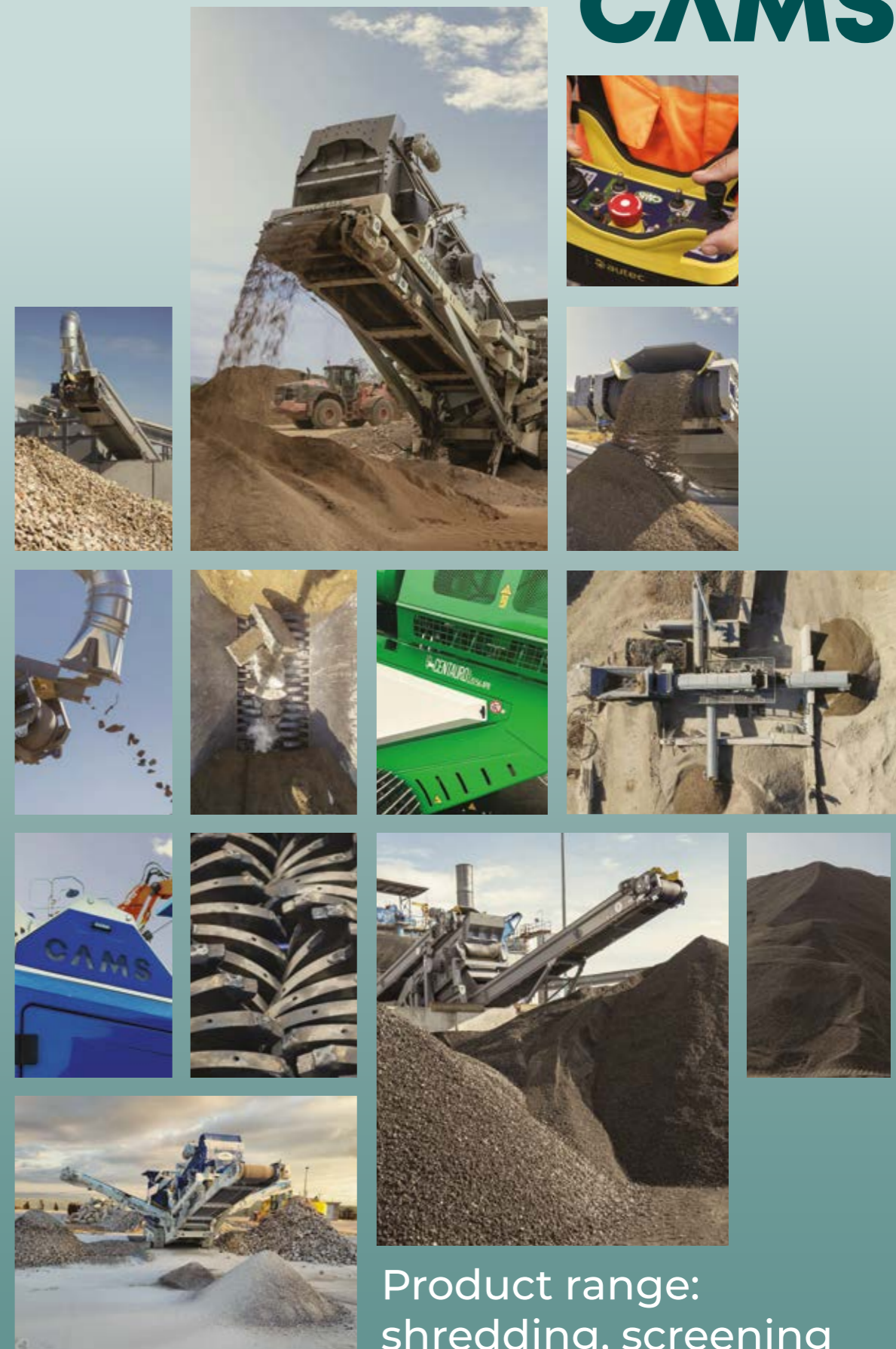


### PLC

#### PLC and telemetry: monitoring and rapid intervention

- **PLC software** developed in-house
- Automated start-up and real-time diagnostics
- **Remote control** and GPS for timely assistance and custom settings

# CAMS



Product range:  
shredding, screening  
and complementary  
technologies



**FTR RANGE**



## **PRIMARY SHREDDERS**

**“A CLEAN  
BREAK TO  
WASTE: LESS  
VOLUME, MORE  
EFFICIENCY.”**

- Electric drive
- Teeth in special alloys for high performance and long service life
- Low rotation speed to reduce wear, dust and noise
- Optional: hydraulic fingers for large size material feeding

# FTR

# CAMS

## FTR



### 750

**Output potential**  
80 t/h

**Transport dimensions**  
Length: 2,50 m  
Width: 2,50 m  
Height: 1,10 m

### 1000

**Output potential**  
120 t/h

**Transport dimensions**  
Length: 2,75 m  
Width: 2,50 m  
Height: 1,10 m

### 1200

**Output potential**  
150 t/h

**Transport dimensions**  
Length: 3,80 m  
Width: 2,50 m  
Height: 1,10 m

### 1500

**Output potential**  
200 t/h

**Transport dimensions**  
Length: 3,90 m  
Width: 2,50 m  
Height: 1,10 m





**UTS RANGE**



## **PORTABLE SHREDDING PLANTS**

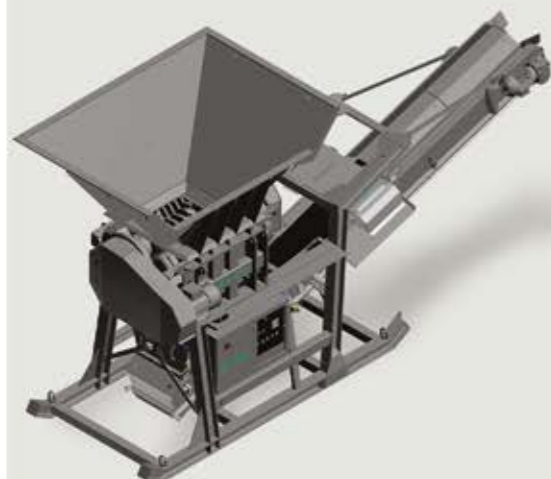
**“ALWAYS READY TO GO:  
TRANSPORT, INSTALL  
AND RECYCLE.”**

- FTR shredders on a portable frame
- Full electric drive
- Large feeding hopper, overband magnet and hydraulic output size adjustment
- Maximum versatility

# UTS

An aerial photograph of a portable shredding plant in operation. The machine is a large, complex structure with a hopper at the front, a central processing unit, and a conveyor belt at the back. It is situated on a sandy, uneven ground. A large pile of shredded material is visible on the right side of the machine. A person is standing on a platform near the conveyor belt. The background shows a vast, open landscape under a clear sky.

## UTS 750



### Hopper

Capacity: 1,50 m<sup>3</sup>  
Length: 2,30 m  
Width: 1,70 m

### Shredder

Range: FTR 750  
Feed opening: mm 750 x 900

### Output potential

80 t/h

### Primary conveyor

Width: 600 mm  
Length: 5000 mm

### Power supply

Output potential: 30 kW

### Transport dimensions

Length: 7,00 m  
Height: 3,10 m  
Width: 2,50 m  
Weight: 11'000 kg

## UTS 1000



### Hopper

Capacity: 3,00 m<sup>3</sup>  
Length: 3,00 m  
Width: 2,00 m

### Shredder

Range: FTR 1000  
Feed opening: mm 1000 x 900

### Output potential

120 t/h

### Primary conveyor

Width: 800 mm  
Length: 8000 mm

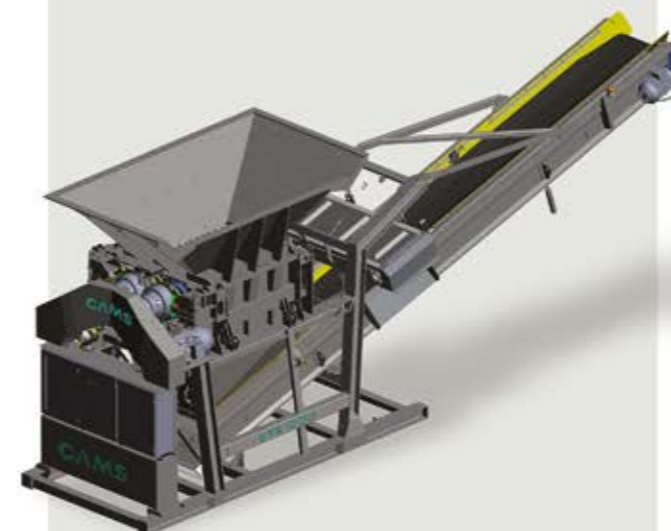
### Power supply

Output potential: 45 kW

### Transport dimensions

Length: 8,70 m  
Height: 3,10 m  
Width: 2,50 m  
Weight: 12'000 kg

## UTS 1200



### Hopper

Capacity: 3,50 m<sup>3</sup>  
Length: 3,20 m  
Width: 2,00 m

### Shredder

Range: FTR 1200  
Feed opening: mm 1200 x 900

### Output potential

150 t/h

### Primary conveyor

Width: 800 mm  
Length: 8000 mm

### Power supply

Output potential: 50 kW

### Transport dimensions

Length: 8,90 m  
Height: 3,10 m  
Width: 2,50 m  
Weight: 13'400 kg

## UTS 1500



### Hopper

Capacity: 3,80 m<sup>3</sup>  
Length: 3,50 m  
Width: 2,00 m

### Shredder

Range: FTR 1500  
Feed opening: mm 1500 x 900

### Output potential

200 t/h

### Primary conveyor

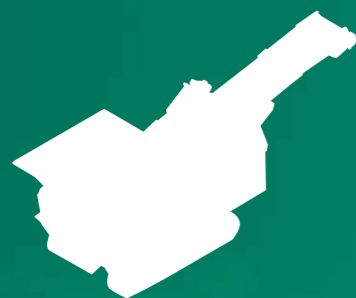
Width: 800 mm  
Length: 8000 mm

### Power supply

Output potential: 70 kW

### Transport dimensions

Length: 9,30 m  
Height: 3,10 m  
Width: 2,50 m  
Weight: 17'300 kg



**UTM RANGE**



## **HYBRID/ELECTRIC MOBILE SHREDDERS**

**“CONSTRUCTION SITE  
WITHOUT BORDERS:  
YOUR SHREDDER  
TRAVELS WITH YOU.”**

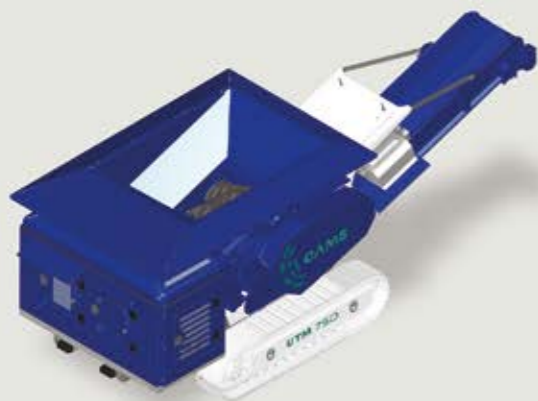
- Evolution of the UTS range, with diesel engine, tracks and integrated generator
- Possibility of working in hybrid or fully electric mode
- Ready to work as soon as it gets on site

# U

# M



## UTM 750



### Hopper

Capacity: 1,50 m<sup>3</sup>  
Length: 2,30 m  
Width: 1,70 m

### Primary shredder

Range: FTR 750  
Feed opening: mm 750 x 900

### Output potential

80 t/h

### Primary conveyor

Width: 600 mm  
Length: 5000 mm

### Hybrid power unit

Engine: FTP F36 Stage V 80 kW  
Alternator: Linz 80 kVA  
Tank capacity: 170 L

### Transport dimensions

Length: 7,00 m  
Height: 2,50 m  
Width: 2,50 m  
Weight: 11'500 kg

## UTM 1000



### Hopper

Capacity: 3,00 m<sup>3</sup>  
Length: 3,00 m  
Width: 2,00 m

### Primary shredder

Range: FTR 1000  
Feed opening: mm 1000 x 900

### Output potential

120 t/h

### Primary conveyor

Width: 800 mm  
Length: 7000 mm

### Hybrid power unit

Engine: CAT C4.4 Stage V 125 kW  
Alternator: MeccAlte 165 kVA  
Tank capacity: 170 L

### Transport dimensions

Length: 8,50 m  
Height: 3,10 m  
Width: 2,50 m  
Weight: 16'500 kg

## UTM 1200



### Hopper

Capacity: 3,50 m<sup>3</sup>  
Length: 3,20 m  
Width: 2,00 m

### Primary shredder

Range: FTR 1200  
Feed opening: mm 1200 x 900

### Output potential

150 t/h

### Primary conveyor

Width: 800 mm  
Length: 7000 mm

### Hybrid power unit

Engine: CAT C4.4 Stage V 125 kW  
Alternator: MeccAlte 165 kVA  
Tank capacity: 170 L

### Transport dimensions

Length: 8,70 m  
Height: 3,10 m  
Width: 2,50 m  
Weight: 17'500 kg

## UTM 1500



### Hopper

Capacity: 3,80 m<sup>3</sup>  
Length: 3,50 m  
Width: 2,00 m

### Primary shredder

Range: FTR 1500  
Feed opening: mm 1500 x 900

### Output potential

250 t/h

### Primary conveyor

Width: 800 mm  
Length: 8000 mm

### Hybrid power unit

Engine: CAT C7.1 Stage V 198 kW  
Alternator: Marelli 350 kVA  
Tank capacity: 170 L

### Transport dimensions

Length: 10,60 m  
Height: 3,10 m  
Width: 2,50 m  
Weight: 25'500 kg



**UVS RANGE**



## **HIGH EFFICIENCY TRANSPORTABLE SCREENS**

**“SEPARATES  
FRACTIONS,  
MAXIMIZES  
RECOVERY.”**

- Configurations with 1 or 2 decks (2-3 selections)
- Full electric power supply and easy maintenance
- Perfect in combination with the UTS, UTM and FTR ranges

# UVS

## UVS 25/2



### Screen

Type: CVV025  
Deck surface: mm 1000 x 2500  
Decks number: 2

### Oversize conveyor

Width: 450 mm  
Length: 5600 mm

### Midsize conveyor

Width: 450 mm  
Length: 5600 mm

### Finesize conveyor

Width: 900 mm  
Length: 5600 mm

### Power supply

15 Kw

### Plant dimensions

Length: 15,00 m  
Height: 2,50 m  
Width: 10,00 m  
Weight: 5'950 kg

## UVS 36



### Screen

Type: CVV036  
Deck surface: mm 1200 x 3000  
Decks number: 2

### Oversize conveyor

Width: 500 mm  
Length: 6500 mm

### Midsize conveyor

Width: 500 mm  
Length: 6500 mm

### Finesize conveyor

Width: 1000 mm  
Length: 6500 mm

### Power supply

25 Kw

### Plant dimensions

Length: 9,00 m  
Height: 3,10 m  
Width: 12,00 m  
Weight: 5'950 kg

## UVS 42



### Screen

Type: CVV042  
Deck surface: mm 1200 x 3500  
Decks number: 2

### Oversize conveyor

Width: 800 mm  
Length: 8000 mm

### Midsize conveyor

Width: 500 mm  
Length: 8000 mm

### Finesize conveyor

Width: 800 mm  
Length: 8000 mm

### Power supply

32 Kw

### Plant dimensions

Length: 12,00 m  
Height: 4,20 m  
Width: 12,00 m  
Weight: 12'350 kg

## UVS 56



### Screen

Type: CVV056  
Deck surface: mm 1300 x 4300  
Decks number: 2

### Oversize conveyor

Width: 800 mm  
Length: 8000 mm

### Midsize conveyor

Width: 800 mm  
Length: 8000 mm

### Finesize conveyor

Width: 800 mm  
Length: 8000 mm

### Power supply

40 Kw

### Plant dimensions

Length: 14,7 m  
Height: 4,20 m  
Width: 14,50 m  
Weight: 12'450 kg



**CENTAURO RANGE**



## **SHREDDER AND SCREEN IN ONE PLANT**

**“THE EFFICIENCY OF  
TWO MACHINES, WITH  
ONLY ONE ENGINE.”**

- Combines UTM (shredder) and UVS (screen)
- Hybrid/electric mobile integrated plant
- Quick installation, high productivity and low consumption
- Possibility to add CTR secondary shredder (CENTAURO APR)

# CENTAURO



## CENTAURO<sub>75.25</sub>



### Hopper

Capacity: 1,60 m<sup>3</sup>  
Length: 2,80 m  
Width: 2,00 m

### Primary shredder

Range: FTR 750  
Feed opening: mm 750 x 900

### Output potential

100 t/h

### Screen

Type: CVV025  
Decks number: 1

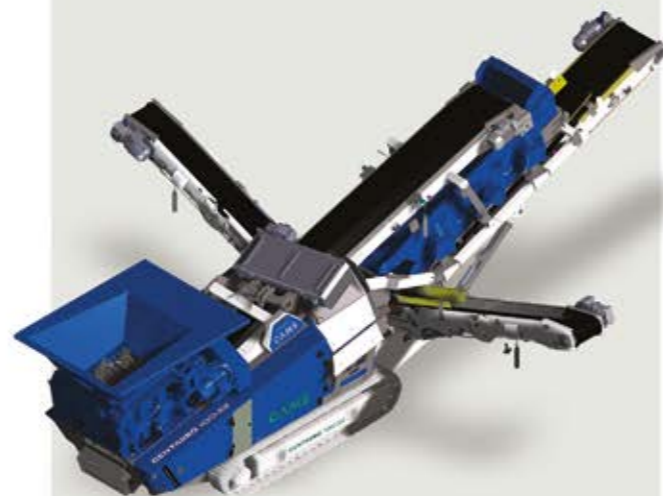
### Hybrid power unit

Engine: Diesel FPT F36 105 kW  
Alternator: MeccAlte 165 kVA

### Transport dimensions

Length: 10 m  
Height: 3,10 m  
Width: 2,35 m  
Weight: 15'000 kg

## CENTAURO<sub>100.32</sub>



### Hopper

Capacity: 3 m<sup>3</sup>  
Length: 3,00 m  
Width: 2,00 m

### Primary shredder

Range: FTR 1000  
Feed opening: mm 1000 x 900

### Output potential

120 t/h

### Screen

Type: CVV032  
Deck surface: mm 3200 x 1000  
Decks number: 2

### Hybrid power unit

Engine: CAT C4.4 Stage V 125 kW  
Alternator: MeccAlte 165 kVA  
Tank capacity: 170 L

### Transport dimensions

Length: 11 m  
Height: 3,10 m  
Width: 2,50 m  
Weight: 23'500 kg

## CENTAURO<sub>120.56</sub><sup>L</sup>



### Hopper

Capacity: 3,50 m<sup>3</sup>  
Length: 2,50 m  
Width: 2,30 m

### Primary shredder

Range: FTR 1200  
Feed opening: mm 1200 x 900

### Output potential

180 t/h

### Screen

Type: CVV056  
Deck surface: mm 4300 x 1300  
Decks number: 2

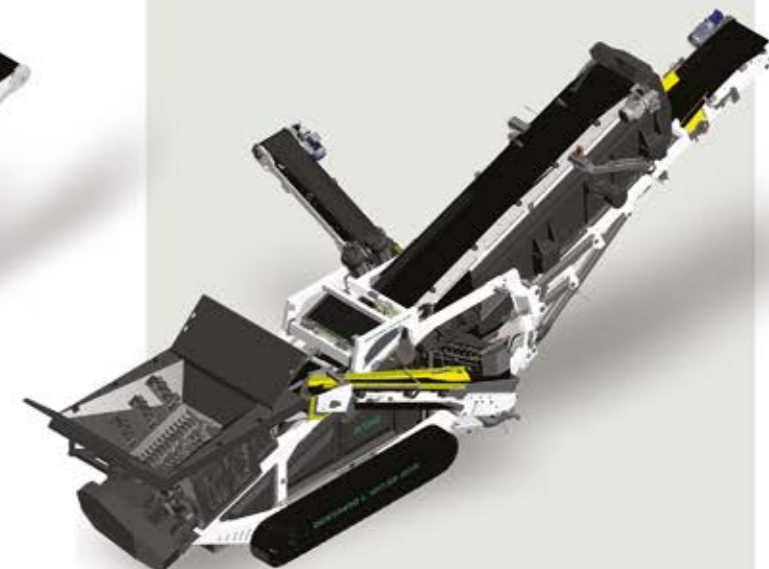
### Hybrid power unit

Engine: CAT C7.1 Stage V 198 kW  
Alternator: Marelli 350 kVA  
Tank capacity: 230 L

### Transport dimensions

Length: 13 m  
Height: 3,10 m  
Width: 2,50 m  
Weight: 32'000 kg

## CENTAURO<sub>120.56</sub><sup>L</sup> APR



### Hopper

Capacity: 3,50 m<sup>3</sup>  
Length: 2,50 m  
Width: 2,30 m

### Primary shredder

Range: FTR 1200  
Feed opening: mm 1200 x 900

### Secondary shredder

Range: CTR 1200  
Feed opening: mm 1200 x 900

### Output potential

180 t/h

### Screen

Type: CVV056  
Deck surface: mm 4300 x 1300  
Decks number: 2

### Hybrid power unit

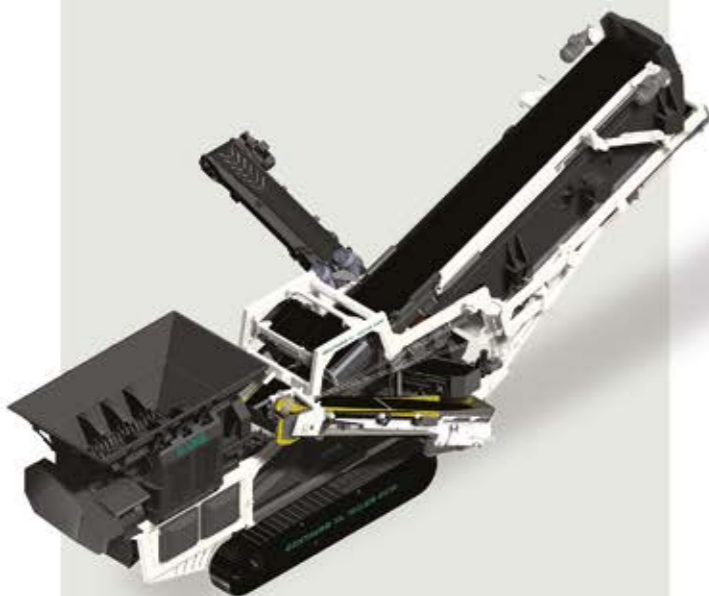
Engine: CAT C9.3 285 kW  
Alternator: MeccAlte 400 kVA  
Tank capacity: 230 L

### Transport dimensions

Length: 13 m  
Height: 3,10 m  
Width: 2,50 m  
Weight: 36'300 kg

# CAMS

**CENTAURO** XL  
150.69 APR



#### Hopper

Capacity: 3,80 m<sup>3</sup>  
Length: 3,50 m  
Width: 2,00 m

#### Primary shredder

Range: FTR 1500  
Feed opening: mm 1500 x 900

#### Secondary shredder

Range: CTR 1200  
Feed opening: mm 1200 x 900

#### Output potential

250 t/h

#### Screen

Type: CVV069  
Deck surface: mm 5300 x 1300  
Decks number: 2

#### Hybrid power unit

Engine: CAT C9.3 Stage V 285 kW  
Alternator: MeccAlte 400 kVA  
Tank capacity: 230 L

#### Transport dimensions

Length: 14 m  
Height: 3,40 m  
Width: 2,75 m  
Weight: 42'000 kg



The **Centauro** line is particularly appreciated for its ability to treat different demolition materials, but especially for **asphalt recycling**.



#### OPTIONAL

- GPS
- belt scales
- overband magnet
- hydraulic hopper extensions
- hydraulic fingers

# CAMS





**CTR RANGE**



## **SECONDARY SHREDDERS**

**“REFINES  
MATERIAL,  
ONE STEP  
AT A TIME.”**

- Low rotation speed to reduce wear, dust and noise
- They work in synergy with the entire CAMS range of products
- Ideal for asphalt, glass, rubble

# CTR



# CAMS

## CTR 1200



### Secondary shredder

Range: CTR 1200

Feed opening: mm 1200 x 900

### Power supply

Power: 45 kW

### Output potential

120 t/h

### Transport dimensions

Length: 2,50 m

Height: 1,70 m

Width: 2,50 m

Weight: 3'500 kg



Thanks to their all-electric power supply, the **CTR** secondary shredder is the perfect machine to refine output size **without CO<sub>2</sub>** emissions.





**UCS RANGE**



## **PORTABLE SECONDARY SHREDDERS**

**“OUTPUT SIZE,  
PERFECTED.”**

- CTR shredders on a portable frame
- Full electric drive, zero CO<sub>2</sub> emissions
- Ideal for refining oversize material, without waste

# ucg



# CAMS

## UCS 1200



### Secondary shredder

Range: CTR 1200

Feed opening: mm 1200 x 900

### Conveyor

Width: 600 mm

Length: 8000 mm

### Power supply

Power: 50 kW

### Transport dimensions

Length: 8,20 m

Height: 3,10 m

Width: 1,90 m

Weight: 6'800 kg



The **UCS** range is powered exclusively by electrical energy and **designed for secondary shredding of oversize material**, coming from the screening unit.



### OPTIONAL

- GPS
- Belt scales
- Overband magnet



# CAMS

# CAMS

## Dust suppression



### Range

30 m

### Surface reached

2850 m<sup>2</sup>

### Horizontal rotation

0° - 350°

### Inclination

0° - 70°

### Number of nozzles

n. 18

“Spray to reduce dust dispersion.”



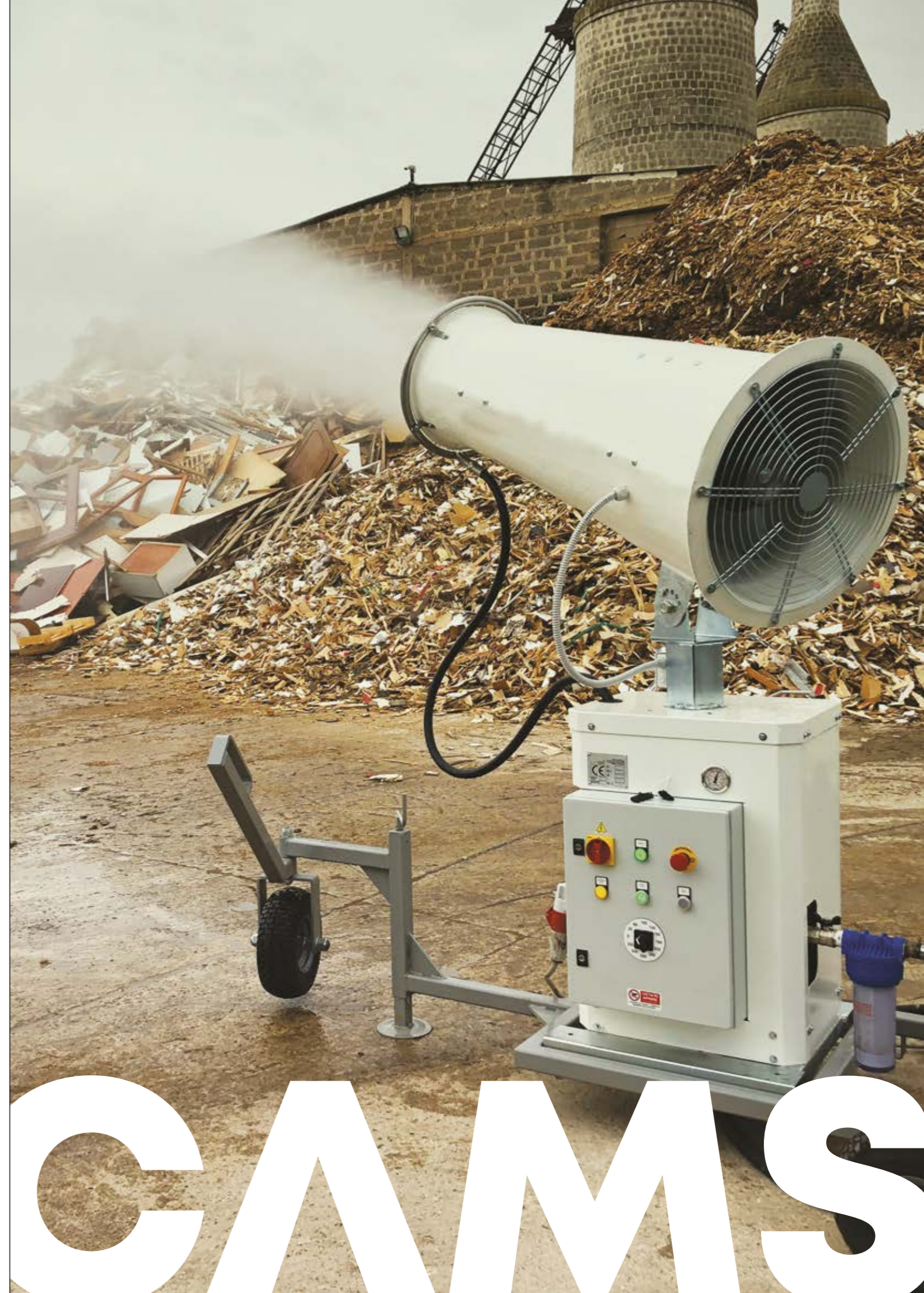
Suitable for demolition, crushing and screening sites



Flow adjustment according to the jobsite specific needs



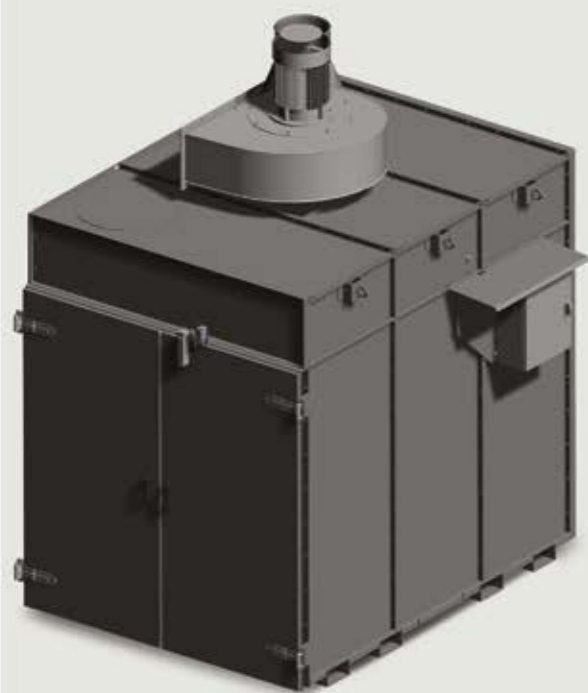
Portable, electric power supply



# CAMS

CAMS

## Aeraulic separator



### Internal trolley

For collecting lightweight materials with emptying wheels

### Electric power supply

Power: 7,5 kW

### Airflow

8000 m<sup>3</sup>/h

### Static head

225 mmCA

### Box dimensions

Length: 2,10 m  
Height: 2,20 m  
Width: 1,35 m  
Weight: 150 kg

“Separate the light fraction with the force of air.”



Lightweight waste is conveyed into a closed box



Featuring an internal trolley that allows for quick emptying



Increases the quality of recycled material

# CAMS



From modular combinations to final solutions



FTR

+



frame

=



UTS



UTS

+



tracks and genset

=



UTM



UTM

+



UVS

=



CENTAURO



CENTAURO

+



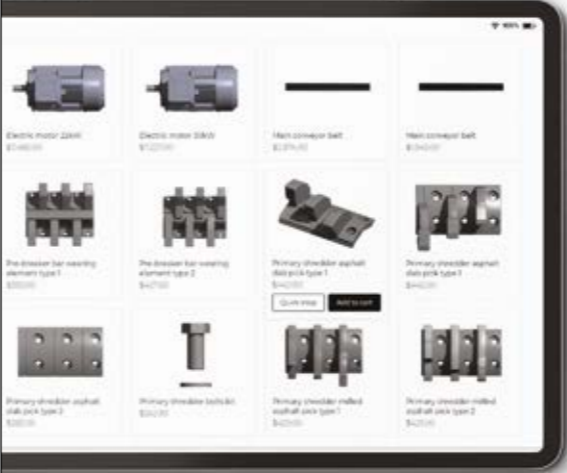
CTR

=



CENTAURO APR

Value chain:  
from design to  
after-sales



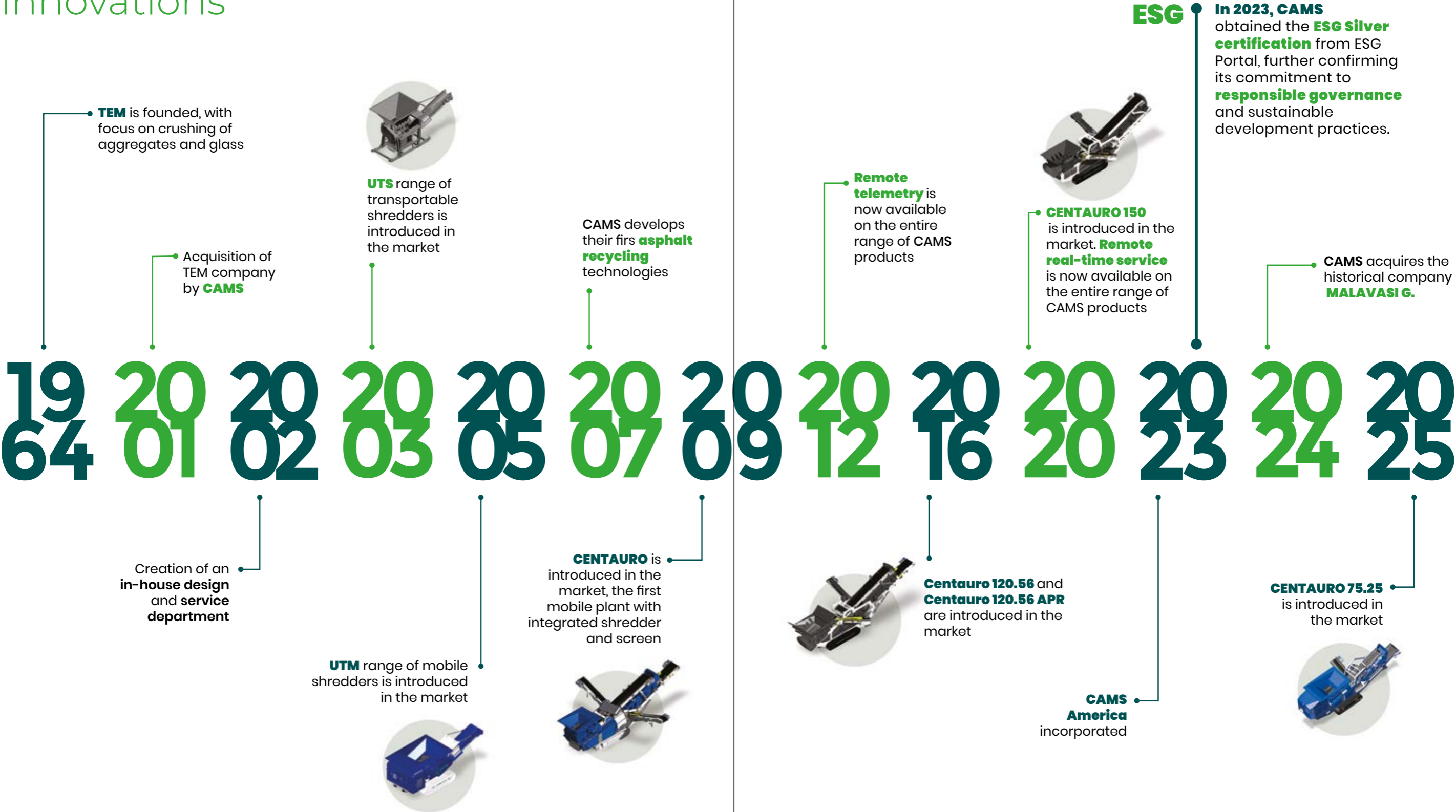
- Analysis and consultancy:** evaluation of materials and jobsite.
- Custom design:** definition of specifications and developments of customized layouts.
- Production and testing:** high quality design and final tests.
- Transport and installation:** trained field engineers for commissioning and training.
- After-sales service:** spare parts stock, remote telemetry, rapid intervention worldwide.



Service and  
maintenance  
on site

- “Forget downtimes: we are there, wherever and whenever you need us.”**
- Over 10,000 components in stock
- Remote diagnostic systems to reduce machine downtime
- Teams of technicians trained on each model, worldwide

History of CAMS innovations



“Every recycled scrap is a resource rediscovered.”



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