



Machines and Processes





# The EcoEngineers Philosophy

**Sustainability forms the basis for our actions.**

Eggersmann machines are the first choice for efficient and user-friendly windrow turning, screening and shredding with the lowest operating costs and maximum reliability.

Numerous special features such as the Eggersmann **LLC** Long Life Coating – a special, environmentally friendly paint finish for extremely robust corrosion protection – and Eggersmann **NRT** Noise Reduction Technology, a setup specially adapted to the machine for reducing the sound pressure level, distinguish all our machines.

Further highlights of our machine technology are the Eggersmann Service Features **MMS** Minimum Maintenance System (longest maintenance intervals and minimised maintenance effort for highest machine uptime) or the Eggersmann Telematic remote maintenance tool. The latest Stage V engines and Eggersmann **ASC** Auto Standby Control, the machines' automatic standby function, are among the features that ensure greater sustainability and lowest fuel consumption.

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## Eggersmann GmbH Mobile Recycling Machines

Eggersmann is one of the leading manufacturers of innovative machine technology for waste management. Mobile and stationary recycling machines for a wide range of applications are part of the portfolio:

- Eggersmann BACKHUS compost turner
- Eggersmann TERRA SELECT trommel screening machines
- Eggersmann STAR SELECT star screen machines and AIRFIX windsifters
- Eggersmann TEUTON single shaft shredders
- Eggersmann FORUS two-shaft shredders

In addition, Eggersmann is an experienced supplier of waste treatment plants and has decades of experience in the field of mechanical and biological waste treatment and recycling methods.

# SHREDDING



## Applications



Commercial waste / mixed construction waste



Mattresses / monocharges



Waste wood



Green waste



Roots



Tires



Plastics processing



Bulky waste

FORUS SE 25

## FORUS SE 25

The Eggersmann two-shaft shredder FORUS SE 25 is the ideal, universal shredder in the recycling technology and can shred all types of recyclable waste and prepare it for further processing. Household bulky waste, commercial waste, films, paper, glass, asphalt, compressed bales, electrical scrap, various composites and solar panels are shredded just as effortlessly as waste wood and demolition wood, green waste, biomass or rootstocks. The shredder's final particle sizes and throughputs can be adjusted and optimised from 120 mm to 500 mm within just 10 minutes, depending on the application, thanks to the hydraulic, modular secondary crushing beam system.



Hydraulically adjustable magnet  
(also SE 38)



Individually adjustable shaft speeds  
(also SE 38)



Available on track or as hook-lift  
version (also SE 38)



Waste wood up to 25 t/h	Commercial waste up to 20 t/h
Household waste up to 25 t/h	Green waste up to 20 t/h

FORUS SE 25

## FORUS SE 38

The Eggersmann FORUS SE 38 two-shaft shredder is the big brother of the FORUS SE 25. Range of application and the definable final grain size is also an integral part of the machine. Like SE 25, the SE 38 offers a feed hopper with a capacity of 4 m<sup>3</sup> and can be hydraulically operated at the push of a button, ideal for wheel loaders or excavator feeding. The hydraulically adjustable overband magnet can be adjusted in height via remote control and optimally adapted to the material/substance flow. The user-friendly and intelligent control design ensures maximum machine availability with optimum utilisation. The performance and level parameters as well as error messages and maintenance intervals are displayed digitally and ensure a trouble-free and reliable shredding process.



Large volume, tiltable hopper (SE 25)



Also as an electric version (also SE 25)



Secondary crushing beam can be changed within 10 minutes (also SE 25)

NEW



Waste wood up to 30 t/h  
Household waste up to 30 t/h

Commercial waste up to 25 t/h  
Green waste up to 25 t/h

## TEUTON

### Single Shaft Shredder

The hydraulically driven single shaft shredders from Eggersmann are characterised by a uniform material quality. The optional screen basket system enables shredding to a marketable grain size in just one operation. The shredding tools, which vary according to the application, can be exchanged, eliminating the need for regular welding work. Downtimes can be reduced due to the reversibility of the rotor.



Screen basket system for defined final particle size

## FORUS

### Two-Shaft Shredder

The two-shaft shredders from Eggersmann offer a high level of operational reliability thanks to their hydraulic drive. The shafts can be controlled asynchronously either individually or by configured programmes. This optimises the results for most crushable materials and at the same time enables self-cleaning for coiled materials. The various secondary crushing beams allow the final grain to be defined up to a marketable end product.



Secondary crushing beam for defined final particle size

	Unit of measurement	FORUS SE 25	FORUS SE 38	TEUTON Z 50	TEUTON Z 60
Power diesel version	kW/PS	186 / 252 (Caterpillar)	280 / 380 (Caterpillar)	373 / 507 (Cummins)	447 / 600 (Cummins)
Number of rotors	pcs.	2	2	1	1
Rotor length	mm	1,545	2,000	3,000	3,000
Rotor speed	rpm	28.5 Shafts, asynchronous driven	22.5 Shafts, asynchronous driven	20 - 40, reversible	20 - 40, reversible
Discharge height max. rear belt	mm	3,662	3,990	3,000 - 5,000	4,230
Perm. total weight	kg	13,500	15,500	25,000	32,000
Wheel-version				√	√
Track-version		√	√	√	√
Hook-lift-version		√	√		
Diesel-powered		√	√	√	√
Electrically operated		√	√		√