



The new Generation of the Eggersmann
Universal Shredders

Navigation

4	Applications
6	FORUS SE 250
16	FORUS SES 250
22	TEUTON Keep it Simple
23	TEUTON Eco Line series
24	TEUTON Z 50
36	TEUTON Z 60
46	TEUTON ZS 55
50	TEUTON Shredding tools

Applications



FORUS SE 250



Two-Shaft-Pre-Shredder



FORUS Pre-Shredders are specialists for all types of wood and waste – effortlessly shredding domestic waste, commercial and industrial waste, C&D waste, waste wood, green waste and rootstocks. The slow-running two-shaft-shredder also processes plastic films, paper, cardboard and electronic scrap just as efficiently. Depending on the shredding unit different rotor drives are used, from 2 x (multifunctional type, not synchronized) to 1 x (triangular knives, synchronized). The output sizes range from 150 to 500 mm depending on the type of the after breaker bar. The Special Edition 250 is a superb all-rounder that is reliably adapted to your requirements.

SE 250

Included special equipment:

- › Hydraulic liftable and lowerable overbelt magnet
- › Breaker bar, type A1 - A4, optional
- › Hydraulic liftable and lowerable after breaker bar
- › Radio remote control
- › Lifting hopper
- › Lifting axle
- › Caterpillar undercarriage

Driving power	Diesel engine VOLVO TAD 8, Tier 4 final, EU-Stage 4, 185 kW - 251 HP
	Electric motor 132 kW
Possible throughputs*	Waste wood up to 25 tph
	Household waste up to 25 tph
	Commercial waste up to 20 tph
	Green waste up to 20 tph
	Biomass up to 50 tph
length	8,250 mm
width	2,350 mm
height	2,521 mm
Machine weight	approx. 15 t

* Approximate rates – throughput may vary based upon input material

SE 250





SE 250

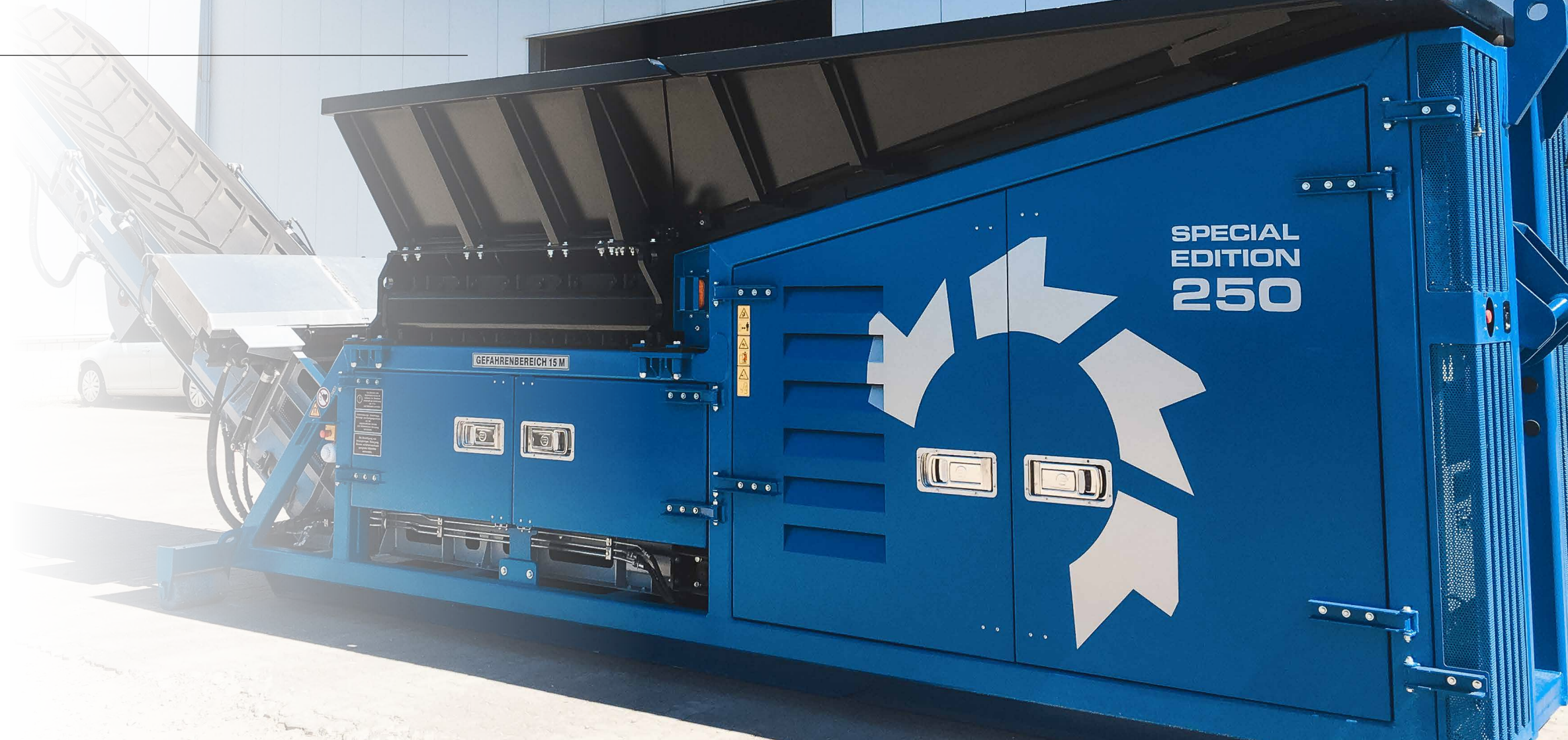
- › The durable two-shaft pre-shredder is equipped with two cutting rotors and a crushing beam which is mounted centrally underneath the rotors
- › The geometry of the tools allows for universal application
- › 4 freely selectable shredding programs and a customized program especially for the client's material guarantee a high flexibility in shredding the most different types of material
- › The final particle size varies from 150 to 550 mm depending on the input material
- › Continuously adjustable rotor speed (forwards and backwards) from 28 to 5 rpm
- › Dimensions of the opening above the rotors 1,350 x 1,550 mm
- › Tilttable chute with 4 m³ volume and an efficient material infeed
- › hydraulically adjustable magnet height for flexible use according to the material volume
- › the through discharge system guarantees optimal material guiding
- › the discharge height of 3,662 mm allows for direct container loading
- › Full electric control and monitoring of relevant machine components by sensors for a longer machine lifetime
- › comfortable and maintenance-friendly hydraulically lift- and lowerable crushing beam
- › variable final particle size through exchange of the crushing beam types A1 to A5
- › large doors allow for comfortable access to the shredding unit
- › different options can be combined: Damping System, lifting axle, chute extension

SE 250



SES 250

Stationary
Pre-Shredder



Stationary Pre-Shredder



SES 250

The FORUS **SES 250** is a two-shaft shredder with electric drive. It is used as a pre-shredder for different types of material. It shreds household waste, bulky waste, commercial waste, old wood and demolition wood, green cuttings and organic waste effortlessly. The slow-running shredder processes foils, paper and electric waste with equal efficiency. The final particle size varies from 150 to 350 mm, depending on the tools that are used.

The drive and the electric control system are integrated into the machine frame which makes for a compact construction design with hook lift and container rollers. The FORUS **SES 250** is equipped with a hydraulically tiltable chute for easy infeed.

The FORUS **SES 250** is an excellent allrounder, a performance package which reliably adapts to your requirements.

	SES 250
Total weight max.	approx. 12 to
Engine	electro-hydraulic
Number of replaceable teeth / shredding rotor	40 - 80 pcs.
Rotor length	1,500 mm
Rotor diameter	2x 570 mm
Crushing beam	types A1 to A5
Drive power	132 kW

TELUTON

Keep it Simple

solid shredding roller + massive counter blade = maximum reliability

The massive three meter long shredding rotor is equipped with 30 exchangeable teeth. The swivelling counter blade is outfitted with 19 counter teeth. Its simple and sturdy design enables a quick and flexible variation of the distances between the rotor tools and the counter blade. As needed, the counter blade can therefore react with to up to 10 different setting options to the requested size of the final product.

Eco Line series

- › **MMS** Minimum-Maintenance-System
- › **ASC** Auto Standby Control
- › Marathon shredding rotor
- › Low engine speed system, low noise emissions
- › Low fuel consumption
- › Emission standard (Euro-standard) Stage V
- › **LLC** Longlife coating (C4-M)



TELTON Z50



An addition to the TEUTON family –
highest mobility and versatility in the 25 t class

NEU



Z 50



Total weight max.	25 t (chassis three axles trailer)
Engine	6 cylinder Diesel engine Cummins X12, generous cooling system with reversible fan
Displacement	12 l
Emission standard (Euro-standard)	Stage V
Power	373 kW (500 HP)
Tank volume	650 l
Number of replaceable teeth / shredding rotor	30
Rotor length	3,000 mm
Rotor speed (variabel)	max. 36 U/min
Rotor drive	Hydromechanically
Rotor diameter	max. 1,050 mm Ø
Control	IFM 7 " Touch Panel + Remote Control with Screen



Z 50

- › Low maintenance due to **MMS**
- › Large openings for material transport
- › Tool-less cutting gap adjustment for quick end product size adjustment
- › If required, finished product in one operation due to optional screen basket system
- › Easy access to the shredding area
- › **ASC** Auto Standby Control
- › Infeed chute extensions hydraulically swiveling to 3 sides

Optional

- › Marathon shredding rotor
- › Hydraulic adjustable overbelt neodym magnet
- › Screen basket system
- › Remote Control
- › Drive unit – allows to move the machine using the radio remote
- › Damping System Ecospray
- › Ball adapter to facilitate manoeuvring by means of wheel loader
- › Custom color
- › Automated lubrication system
- › Eggersmann Telematic System

Z 50





Grip

The shredding rotor is equipped with spirally dispersed teeth and it tears the shredding material from above through a counter blade which is adjustable in 6 steps.

The cutting clearance can be varied depending on the contamination and the requested particle size in the material discharge. Up to a maximum of approx. 100 mm.

Variable

Continuously adjustable rotor speed (forwards and backwards) of 16 to 36 rpm. Dimensions of shredding rotor: length 3,000 mm, diameter 600 mm (max. 1,050 mm rotation diameter).

30 exchangeable shredding tools in three rows dispersed along the rotor surface

Simple

Toolless exchangeable program discs for adjustment of the requested cutting clearance.

Variable final particle size due to toolless adjustment of the cutting clearance.



Z 50

Volume

Infeed chute extensions hydraulically swiveling to 3 sides. Increase of the infeed chute of approx. 4 m³ to approx. 7.3 m³.

Versatile

Toolless exchangeable screen basket system (80 mm - 250 mm). After hydraulically swivelling out the shredding flap, the optional screen basket is automatically unlocked and can easily be taken out

Convenient

Hydraulically swivelling shredding flap for free access to the shredding space.



Z 50

Large and wide conveyor belts
for material discharge without
blockages.
Rear conveyor belt completely
lowerable.

Discharge height of up to 5 m.

TELTON Z60



Makes heavy work easy –
the specialist for the most difficult shredding tasks



Total weight max.	32 t (Mobile Version) / 34 t (Track Version)
Engine	6 cylinder Diesel engine Cummins X15, generous cooling system with reversible fan
Displacement	15 l
Emission standard (Euro-standard)	Stage V
Power	447 kW (600 HP)
Tank volume	700 l
Number of replaceable teeth / shredding rotor	30
Rotor length	3,000 mm
Rotor speed (variabel)	max. 40 U/min
Rotor drive	Hydromechanically
Rotor diameter	max. 1,050 mm Ø
Control	IFM 7 " Touch Panel + Remote Control with Screen



Z 60

Optional

- › Low maintenance due to **MMS**
 - › Simple maintenance thanks to large doors
 - › Large openings for material transport
 - › TEUTON Track Version
 - › Tool-less cutting gap adjustment for quick end product size adjustment
 - › If required, finished product in one operation due to optional screen basket system
 - › Comfortable access to the shredding area
 - › **ASC** Auto Standby Control
-
- › Screen basket system
 - › Hydraulic adjustable overbelt neodym magnet
 - › Remote Control (Track Version = serial)
 - › Drive unit – allows to move the machine using the radio remote
 - › Damping System Ecospray
 - › Ball adapter to facilitate manoeuvring by means of wheel loader
 - › Soft pads (chain plate 400 mm wide – individually exchangeable)
 - › Plugable hopper extension
 - › Custom color
 - › Automated lubrication system
 - › Preheating (230 V / 110 V) -20° - 50° ambient temperature



Grip

The shredding rotor is equipped with spirally dispersed teeth and it tears the shredding material from above through a counter blade which is adjustable in 10 steps. The cutting clearance can be varied depending on the contamination and the requested particle size in the material discharge. Up to a maximum of approx. 100 mm.

Variable

Continuously adjustable rotor speed (forwards and backwards) of 20 to 40 rpm. Dimensions of shredding rotor: length 3,000 mm, diameter 600 mm (max. 1,050 mm rotation diameter). 30 exchangeable shredding tools in three rows dispersed along the rotor surface.

Simple

Toolless exchangeable program discs for adjustment of the requested cutting clearance. Variable final particle size due to toolless adjustment of the cutting clearance.



Z 60

Volume

Toolless, pluggable chute extension. usable on both sides. filling volume of approx. 7.5 m.

Versatile

Toolless exchangeable screen basket system (80 mm - 250 mm). After hydraulically swivelling out the shredding flap, the optional screen basket is automatically unlocked and can easily be taken out. Toolless, autonomously locking screen basket system.

Convenient

Hydraulically swivelling shredding flap for free access to the shredding space.

Z 60



ZS 55

Stationary
Shredder



Stationary Shredder

TEUTON **ZS 55** by Eggersmann is currently the most versatile stationary shredder on the market.

From coarse pre-shredding – even of the most difficult feed materials – to the finished end product, the TEUTON **ZS 55** offers great application versatility thanks to its unique screen basket system. The machine can be flexibly set up to account for various framework conditions such as input material, throughput and desired end grain size and can this be incorporated into existing recycling processes and plants with ease.

Thanks to its sturdy steel construction, TEUTON **ZS 55** can deal with extremely high stress and thus delivers a continuous shredding process as well as a uniform discharge of shredded material to the downstream conveying systems.



TEUTON **ZS 55** only requires minimal maintenance. The daily check requires nothing more than opening the shredding chamber from the machine’s touch panel, providing safe and comfortable access.

ZS 55

	ZS 55
Total weight max.	20 t
Engine	2 x three-phase 160 kW = 320 kW
Number of replaceable teeth / shredding rotor	30
Number of counter teeth	19
Rotor length	3,000 mm
Rotor diameter	1,050 mm
Rotor speed (variabel)	max. 40 rpm
Rotor drive	electro-hydraulic planetary gear
Control	radio remote control (optional)

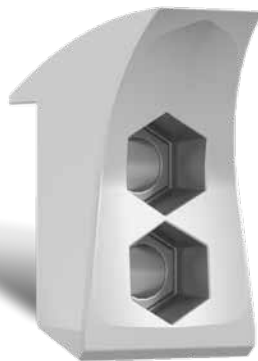
Always the right bite thanks to the shredding tools

Multigrip tool (standard)

Application:
Waste wood, green cuttings, bulky
waste, commercial waste, roots

Characteristics: Shredding tool with
great breaking characteristics and
high wear-resistance. The tooth tip
ensures good grip and aggressive
operation.

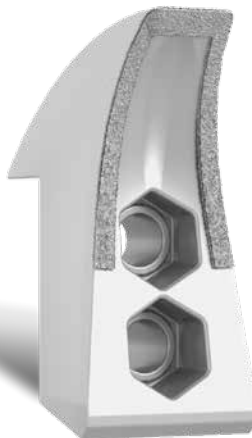
High torque also in combination
with the screen basket system
Smart Sieve.



Unigrip tool

Application:
Green cuttings, commercial
waste, household waste,
bulky waste, plastics

Characteristics: The high
body-height of the uni-grip
tooth ensures aggressive
operation with bulky infeed
material. The trapezoidal tool
enlarges the final fraction if
the distance to the counter
blade is increased.



Twincut tool (usable on both sides)

Application:
Tires, plastic, foils, railway sleepers, etc.

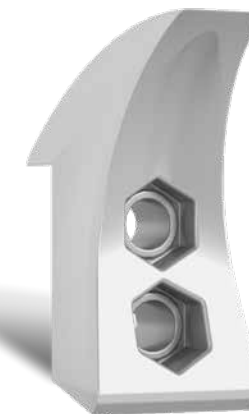
Characteristics: Tool with cutting
function. Shredding tool with high
cutting properties. High torque
due to low body shape. The tooth
can be used on both sides simply
by turning it.



Rootgrip tool

Application: Roots, green
cuttings

Characteristics: Shredding
tool with very aggressive,
penetrating effect. Bulky/
tough material is split with
this aggressive tooth.





TEUTON

Eggersmann GmbH
Betriebsstätte | Branch
Rothenschlatt 18
26203 Wardenburg
Germany

Fon +49 4407 9133-700
www.f-e.de

FORUS

Eggersmann GmbH
Betriebsstätte | Branch
Siegfried-Marcus-Straße 37
17192 Waren
Germany

Fon +49 3991 1723-0
www.f-e.de



1. All specifications, descriptions and illustrations are subject to change without prior notice.
2. Illustrations and descriptions may include options that are not part of the standard equipment.