



TEUTON

Slow-Speed
Universal Shredder

Applications

Universal Shredder - TEUTON Z 55



Wood waste
all
classifications



Green
waste



Roots



Bulky waste



Special
waste



Tires

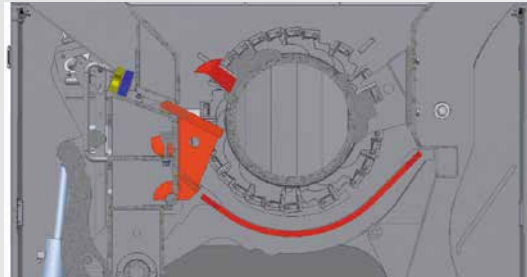


Bale



Mattresses

Highlights of the TEUTON Z 55



- The roller, which is fitted with teeth in v-shaped rows (at least one tooth always engaged), pulls the material to be shredded from above through a counter-blade which can be adjusted in 10 steps
- The cutting gap can be varied depending on the degree of contamination and the required piece size in the material discharge. Maximum gap approx. 100 mm



- Adjustable roller speed (forward and backward) from 0 - 40 rpm
- Dimensions of the shredding roller: Length 3,000 mm, Diameter 600 mm (max. 1,050 mm flight circle)
- 30 interchangeable shredding teeth in three rows distributed over the roller surface



- Exchangeable programme plates to set the desired cutting gap
- Variable final grain size due to tools-less cutting gap adjustment



- Optional - tool-less, pluggable 400 mm hopper extension
- Increases of the hopper capacity from approx. 4 m³ to approx. 7.3 m³ when using the double-sided hopper extension



- Screen basket system exchangeable without tool use (80 mm - 250 mm)
- After the maintenance door has been swung out hydraulically, the shredding basket is automatically unlocked and can be easily removed
- Self-locking, tool-less screen basket system



- Hydraulically swingable maintenance door for easy access to the shredding chamber



- Large and wide conveyor belts for maximum material discharge
- Discharge height up to 5 m



- Storage space for all options



- Insensitive to foreign material due to extremely solid construction
- Hydraulic / mechanical drive
- Smart stand-by mode - TEUTON independently switches to its stand-by mode once material feed is halted and independently detects continued material feed



- Central maintenance point - facilitated maintenance
- Minimal maintenance efforts and long maintenance intervals (max. 500 hours)



- Neodymium magnetic separator whose working height is hydraulically adjustable allows for discharge of metal scraps on both sides

Keeping it Simple: solid shredding roller + massive counter blade = maximum reliability

The TEUTON Z 55's shredding unit consist of 4 parts – the frame, roller, screen basket system and maintenance door with removable counter-blade.

Three metres long, the roller is equipped with 30 removable tools. Its simple and solid design allows for quick and flexible gap adjustment between the roller tools and the counter-blade. Depending on the requirements, more than ten different adjustment options are available to adjust the desired size of the end product.

Once the material has passed through the counter-blade, it falls onto the optional screen basket, which encloses the bottom half of the roller. The screen basket further varies the size of the end product.

The TEUTON Z 55 shreds the most diverse materials into different fractions – at maximum performance. For optimum adaptability to various tasks, the TEUTON can furthermore be equipped with many tools, counter-blades and screen baskets. This degree of flexibility has no equal on the market!



Unique: Comfortable and safe access to the shredding tools



IFM controls with 12.1" touch panel + radio unit with display

Universal tool (standard)



Field of application:
Demolition wood, domestic waste, green cuttings, hard plastic, cellulose, railway sleepers

Characteristics: Tool with good crushing abilities and high wear resistance.
The tool's tip provides good grip when processing loose material. The tilted shape of the tool body makes sure the material is processed outwards. This is advantageous when using a screen basket. The trapezoidal tool increases the size of the end fraction when the gap to the counter-blade is increased.

Cutting tool (both sides can be used)



Field of application:
Tyres, plastic, foils, railway sleepers etc.

Characteristics: Tool with cutting function.
The tool's sharp edge cuts the material open while the counter-blade cuts through precisely. The tool's flat shape makes sure the pressure on the material is greater than with other tools.

Root tool



Field of application:
Tree stumps, logs, construction timber

Characteristics: Tool with an aggressive, penetrating effect. This aggressive tool splits extremely hard and/or long materials.

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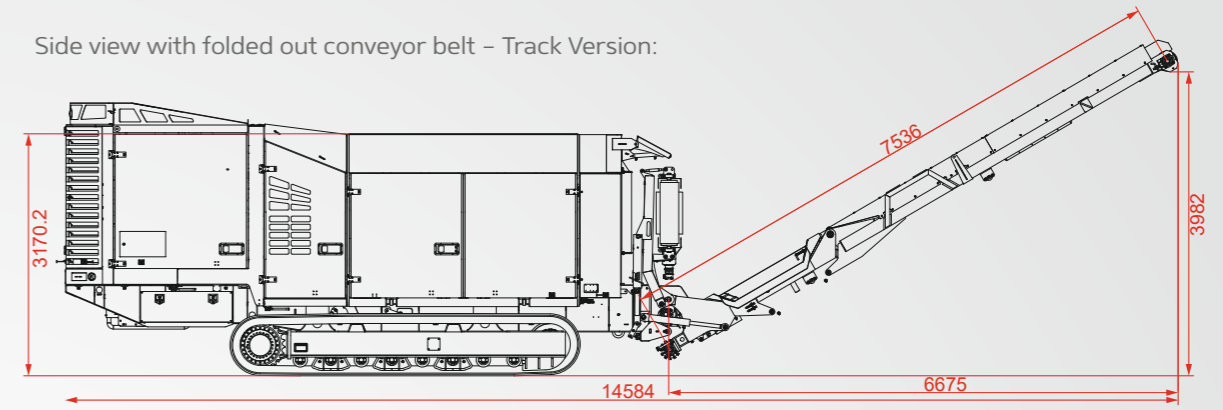
TEUTON Z 55 Universal Shredder – Options:

- Screen basket system
- Remote Control (Track Version = serial)
- Drive unit – allows to move the machine using the radio remote (Semi-trailer only)
- Overbelt neodym magnet
- Damping System
- Ball adapter to facilitate manoeuvring by means of wheel loader
- Soft pads (chain plate 400 mm wide – individually exchangeable)
- 400 mm hopper extension
- Custom color
- Automated lubrication system

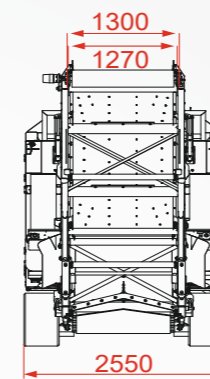
Technical Data

Total weight max.	32 t (Mobile Version) / 34 t (Track Version)
Engine	VOLVO Penta Diesel engine Type TAD 1375 VE
Displacement	13 l
Emission standard (Euro-standard)	Step IV
Power	405 kW (551 p)
Tank volume	700 l
Number of replaceable teeth / shredding rotor	30
Rotor length	3,000 mm
Rotor speed (variabel)	max. 40 rpm
Rotor drive	hydraulic / mechanical planetary gear
Rotor diameter	max. 1,050 mm Ø
Control	IFM with 12.1" touch panel + Remote Control

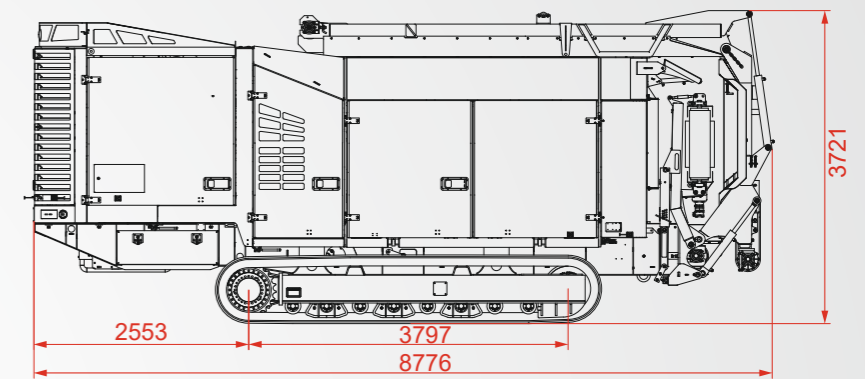
Side view with folded out conveyor belt – Track Version:



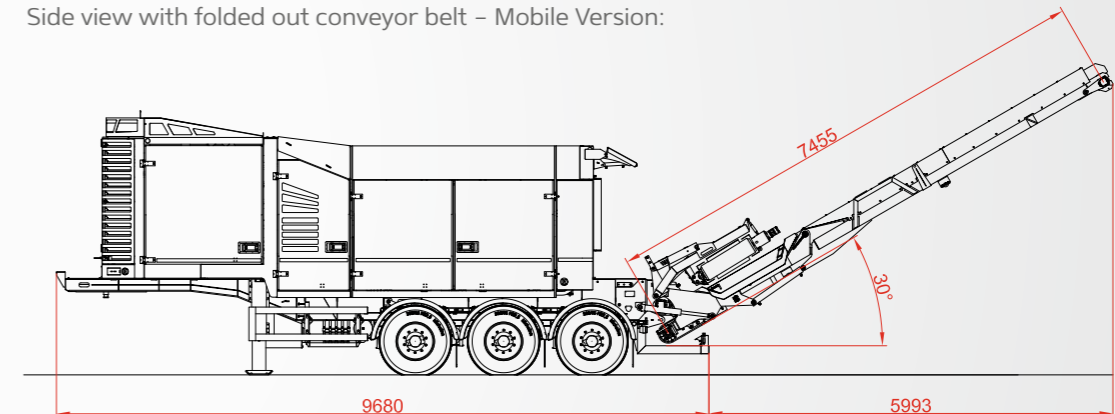
Rear view:



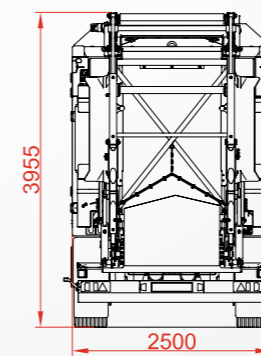
Side view:



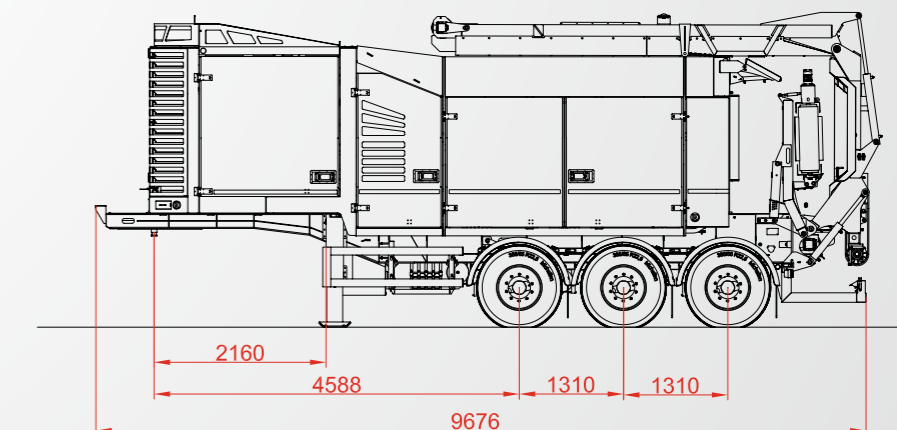
Side view with folded out conveyor belt – Mobile Version:



Rear view:



Side view:



Hydraulic adjustable overbelt neodym magnet



Simple maintenance thanks to large doors



Large openings for material transport



TEUTON Z 55 as track version



Tool-less system for quick end product size adjustment



High product quality thanks to additional optional screen basket

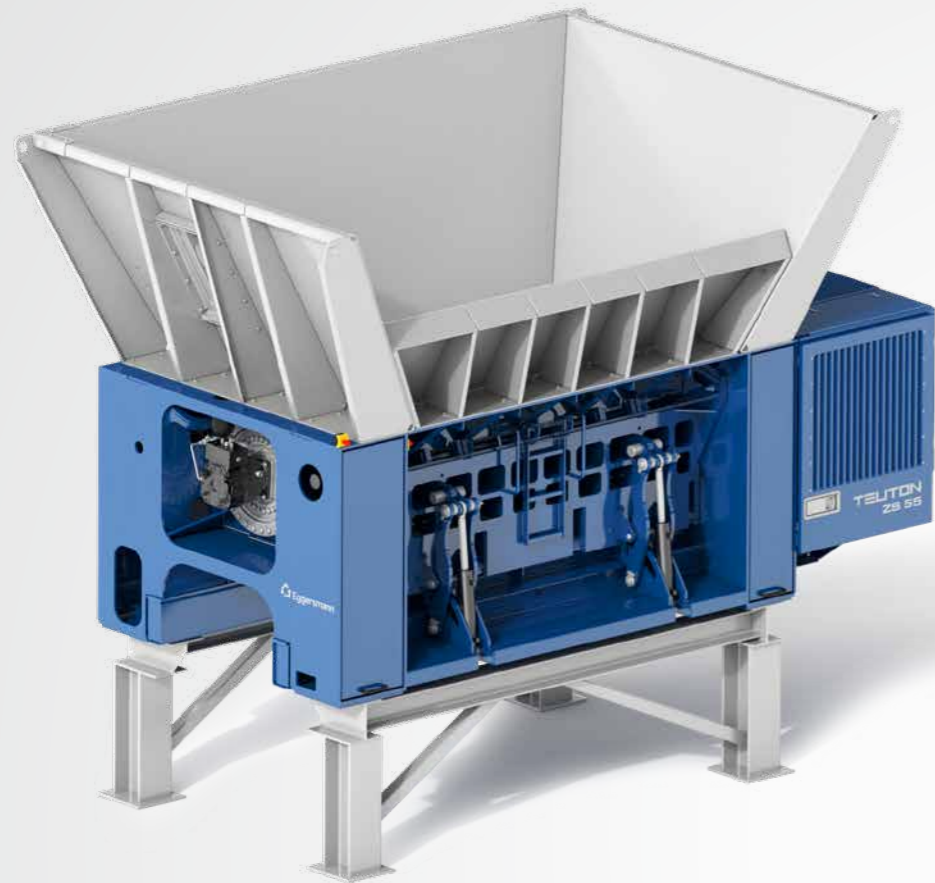


Drive unit – allows to move the machine using the radio remote (Semi-trailer only)



Easy access to the shredding chamber bar

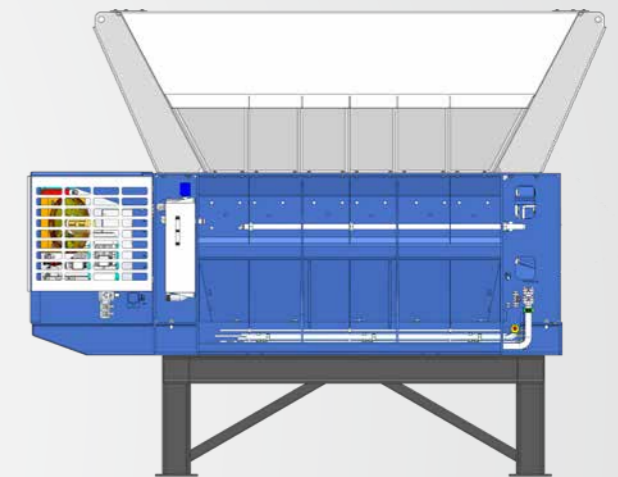
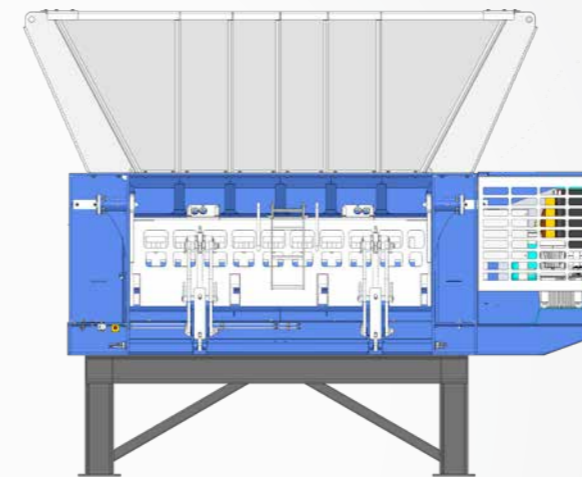
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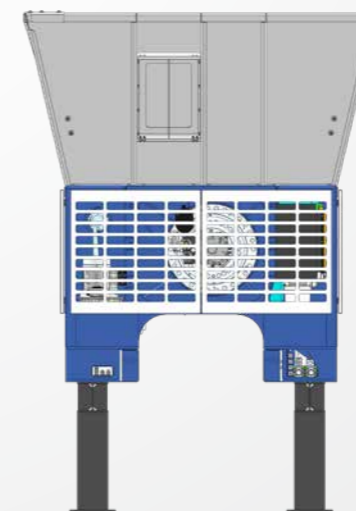
Technical Data

Total weight max.	20 t
Engine	Motor 2 x three-phase 160 kW (optional 200 kW)
Number of replaceable teeth / shredding rotor	30
Rotor length	3,000 mm
Rotor speed (variabel)	max. 40 rpm
Rotor drive	electro / hydraulic planetary gear
Rotor diameter	max. 1,050 mm Ø
Control	Control IFM with 12.1" touch panel + Remote Control

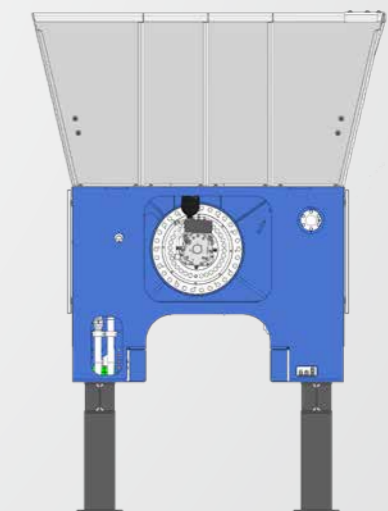
Side view:



Side view:



Rear view:



TEUTON ZS 55 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.

- Screen basket system
- Damping System
- IFM with 12.1" touch panel + Remote Control
- Custom color

Premium Mobile Recycling Machines from Eggersmann:

BACKHUS Windrow Turner



FORUS Pre-Shredder



Terra Select Star Screens



Terra Select Trommel Screens



Terra Select Windsifters



Eggersmann Global After Sales



Eggersmann

Eggersmann GmbH

HQ | Halle
Ravenna-Park 2
33790 Halle (Westf.)
Germany

sales@f-e.de
www.f-e.de

Technology Center | Shredding
Rothenschlatt 18
26203 Wardenburg
Germany

Fon +49 4407 9133-700
Fax +49 4407 9133-701

Eggersmann Service

Rothenschlatt 18
26203 Wardenburg
Germany

Tel +49 4407 9133-0
Fax +49 4407 9133-101

service@f-e.de



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