TEUTON

Slow-Speed Universal Shredder
Applications

Universal Shredder - TEUTON Z 55

- Wood waste
- 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 tool-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 swing 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).
- Neodym 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 consists 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!

### 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.
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

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<thead>
<tr>
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<th>Mobile Version</th>
<th>Track Version</th>
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<tr>
<td>Total weight max.</td>
<td>32 t</td>
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<td>Rotor diameter</td>
<td>max. 1,050 mm Ø</td>
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<tr>
<td>Control</td>
<td>IFM with 12.1” touch panel + Remote Control</td>
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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
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
- IFM with 12.1” touch panel + Remote Control
- Damping System
- Custom color

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<td>Control</td>
<td>Control IFM with 12.1” touch panel + Remote Control</td>
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Side view:

Rear view:
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 GmbH
HQ | Halle
Ravenna-Park 2
33790 Halle (Westf.)
Germany

Sales@f-e.de
www.f-e.de

Eggersmann Service
Technology Center | Shredding
Rothenschlatt 18
26203 Wardenburg
Germany

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

service@f-e.de