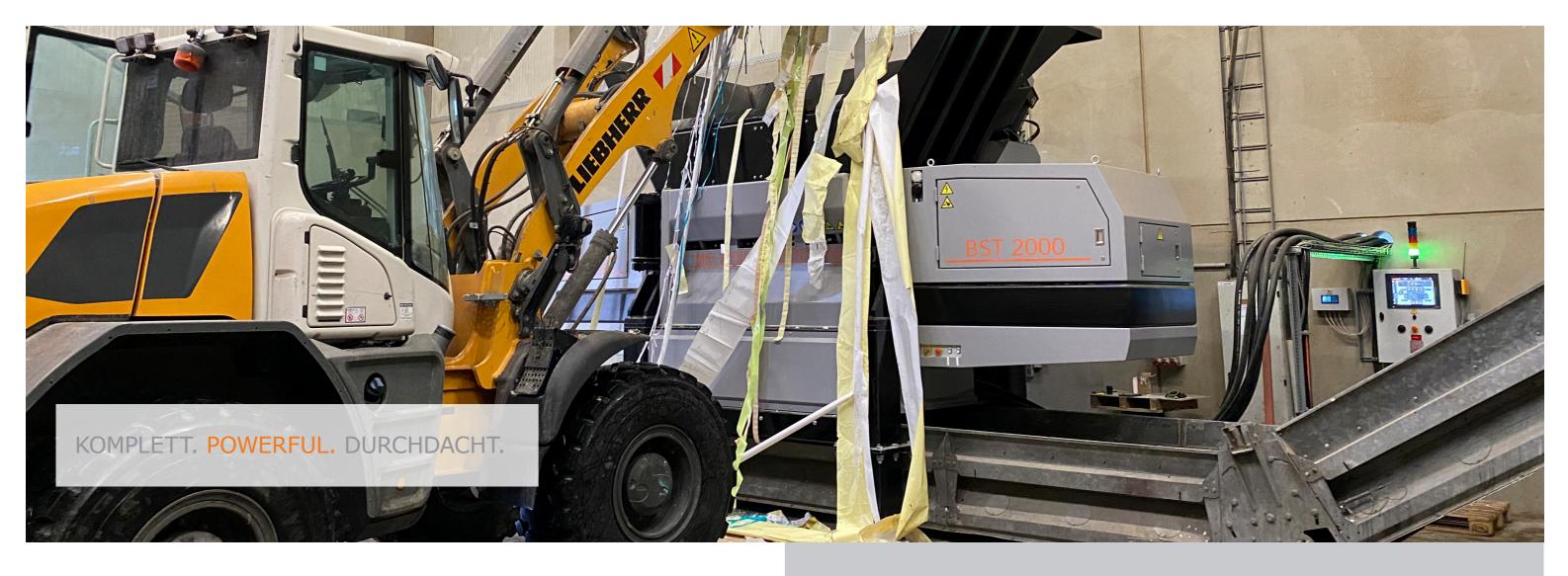
ALLRECO







BEST PERFORMANCE - THE BST

The New Exclusive Shredder

the best shredder - the BST from ALLRECO.

have focused only on the best due to the high blade spacing. The components and omitted anything solid material rotor allows to store The new BST shredder is that has no benefit. The new drive kinetic energy, which makes the concept is designed to achieve the machine much more efficient. highest throughput at the lowest energy consumption.

torque is available at any set speed. for a wide range of applications.

The machine is optionally equipped Two with one or two water-cooled high- pushers

The market demands a simple, With two drives, the BST is even operates completely electrically and robust, and performant machine. more powerful than a 500 kW load-dependent. No hydraulics

In developing the BST, we insensitive to impurities and efficient

The machine shreds most fractions in a single stage directly to customer-Due to the modern drive concept, specific particle size. The easily no pulley or gearbox is required to exchangeable baskets facilitate efficiently transmit the power to the the handling. The BST is available shredding shaft. The shaft speed is with baskets for grain sizes from infinitely variable up to 350 rpm. Full 10-120 mm and is thus well prepared

independently operating maximum torque motors with 176 kW each. throughput. The pusher assambly

We would like to introduce you to machine thanks to its boost function. are required to operate the machine. For maintenance and service, the The granulator cutting system of the pusher assambly can be swung BST is extremely robust as well as out completely of the shredding

> true to the ALLRECO slogan: KOMPLETT. DURCHDACHT.

ALLRECO. KOMPLETT. DURCHDACHT.

It all started in Niederberg in the Group (LIG) with the 2nd generation We are a team of highly qualified and "Bergisches Land" region. Hedwig, Werner, and Josef Doppstadt established the "Doppstadt" Today the passion for technical Our core business includes their requirements. forces for the successful creative-

of shareholders. ALLRECO, with a long Doppstadt history, is directly offer our customers tailor-made, high-

innovations, inventiveness, and the machines and plants for the ness of the Langenberger Innovation and refuse-derived fuel production.

experienced employees, and we can

perception of market requirements processing and separation of waste With a lot of flexibility and are still the fundamental motive wood, MSW, commercial and inventiveness, we are ready to move



Single stage shredding

Reduction from input size directly down to target grain size



Maximum throughput



operating costs

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POWERFUL SHREDDING

Substitute Fuel Production - Exemplary Processes

The BST shreds everything – from commercial waste to mixed plastics and foils from sorting plants, mixed plastic briquettes, plastic production waste, lightweight packaging, and rejects.

With the BST, you are counting on enormous performance with maximum profitability.

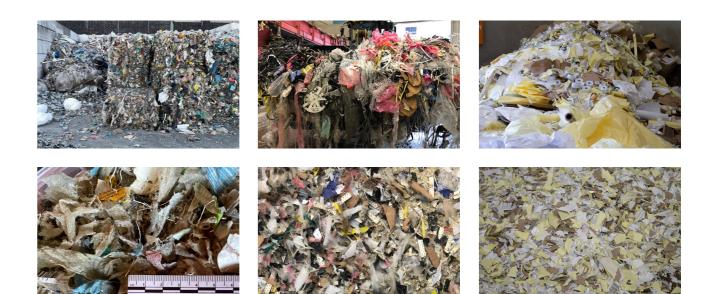




Untreated waste from commercial, household, and industrial applications requires a more in-depth treatment in order to comply with legal requirements. The waste is disintegrated with a pre-shredder from the CERON series and the fine fraction is removed by screening. The screen oversize is separated in the windsifter and the light fraction is conveyed to the BST secondary shredder.

For different RDF qualities and depending on the input material, fractions such as plastics can be obtained as additional combustibles from the heavy fraction of the windsifter with an NIR separator and reduced to final size together with the wind sifter light fraction in the secondary shredder. The process can still be further adapted as desired, for example by adding a non-ferrous separator.







treated or is collected as mono-fraction can be further processed into a substitute fuel with high quality. After shredding, the material can be further separated with a windsifter. Low density, flat objects are extracted while heavier, more compact particles remain on the belt.

The process can be adapted to the specific input as well as target output specifications.

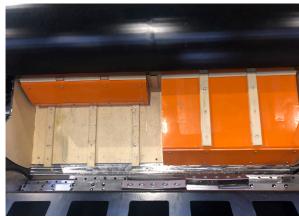
For more information, please see our commercial waste brochure.

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ADVANTAGES IN DETAIL

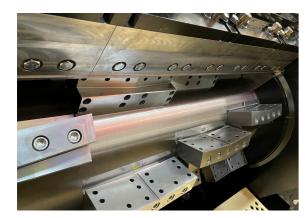
TWO PUSHERS -

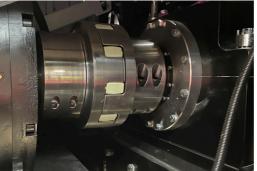
- Electric
- No hydraulics
- Synchronous or asynchronous operation
- Intelligent, load-dependent control
- Different recipes selectable



ROTOR —

- Solid knife holders
- Full material shaft
- Knives with up to four usable cutting edges
- Wear resistant special knives
- Variable speed adjustment







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GEARLESS TECHNOLOGY

- · High torques at low speeds
- Water-cooled main drives
- Low specific energy consumption due to the high efficiency of the drive package
- High-torque motors made in Germany
- No overload clutch necessary



EASY MAINTENANCE

- Two maintenance doors facilitate the access to the shredding chamber
- Stator knives can be adjusted while the machine is running
- Easy-Grid-System facilitates the exchange of baskets without unnecessary effort and risk

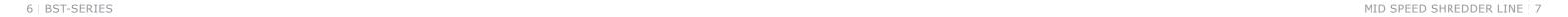


OPTIONAL

- Second counter blade increases productivity
- Remote control facilitates operation
- ALLRECOnnect for remote service support up to real time monitoring and evaluation of operating data
- Fire alarm system detects hot spots and flames
- · Sprinkler system reduces fire risk



- Water-cooled power electronics
- Heat exchanger (also for drives)
- Visualisation of the machine
- Hydraulics only for maintenance functions





KEY FACTS

Efficient.

The machines of the BST series are equipped with two pushers operating independently of each other thus ensuring an efficient and continuous feeding without jamming.

Productive.

Thanks to the two-piece pusher and the second counter blade, the machine achieves approximately twice the performance. Depending on the material properties and the mesh size of the basket, the throughput is between 10 t/h and 40 t/h.

Robust.

The BST easily withstands even large strains due to its very robust and simple design – considering its own weight of over 25 tons.

Economical.

The fact that the two high-torque motors are working without gearbox is the highlight of the BST – in this way the energy is transferred to the shredding unit nearly without any loss. The energy input per ton of shredded material is extremely low.

Persevering.

Even load due to the two independently operating pushers enable the machine to work without interruptions. And this also works with materials that are difficult to shred such as carpets or foils.

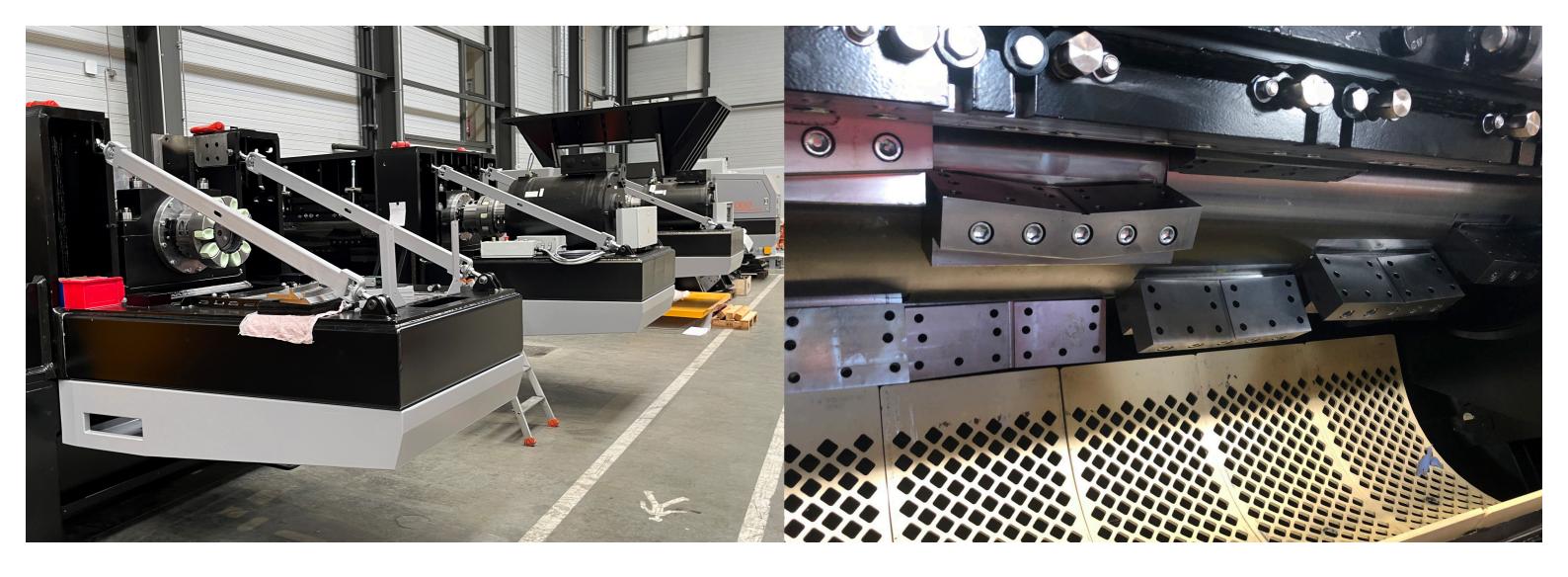
Thrifty.

Due to the even load, current peaks and idle times are avoided. The gearless high-torque motors save energy costs. The robust design and the low-wear drive also minimise operating and maintenance costs.

Safe.

Easy and reliable access protection via key transfer system. Large doors and the folding pusher assembly allow quick and safe access to the shredding unit. The optional fire alarm system and the active material temperature monitoring reduce the fire risk.

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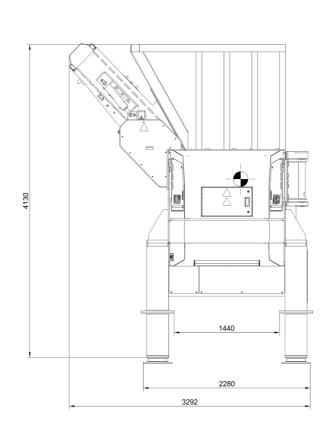


TECHNICAL DATA

BST	2000
Weight	27000 kg
Length (Basic machine)	6250 mm
Width (Basic machine)	3400 mm
Height (Basic machine)	4200 mm
Drive	2x 176 kW
Loading height	2850 mm
Discharge height	700 mm
Rotor	
Number	1
Length	2040 mm
Diameter	800 mm
Number of knives	50 (Rotor) 20 (Stator)
Speed	0 – 350 rpm

Freely selectable baskets for grain sizes from 10 – 120 mm.

The technical data are approximate and depend on the machine equipment (Subject to change without notice).



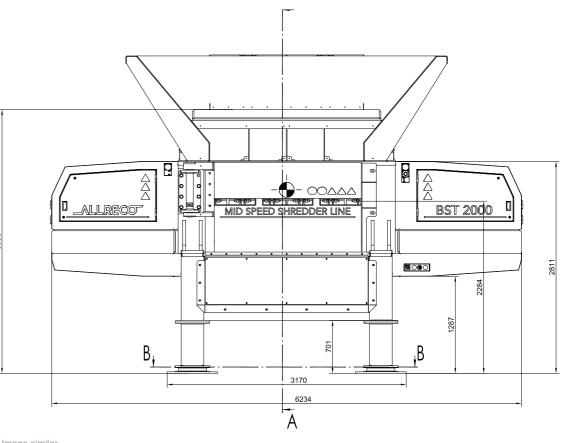


Image similar.

MID SPEED SHREDDER LINE | 11 10 | BST-SERIES



Your advantages at a glance:

- Innovative pusher assembly
- Highly efficient
- Gearless high-torque motor
- High throughput with low wear
- Direct feeding and shredding in one step are possible
- Compact design
- Maintenance-friendly



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