

SPLITTER-SERIES Splitter Line

Our splitter series can be applied universally when it comes to classifying waste and raw materials. It is equally suited for waste wood, green waste, household waste, landfill mining material, commercial waste, industrial waste, mixed construction waste, and biowaste as well as for recyclable materials that have already been pre-processed.



SPLITTER	UNIT 325	UNIT 425	UNIT 525	UNIT 625
Basic machine (incl. feeding conveyor and screen deck)				
Weight	5.200 kg	6.900 kg	8.000 kg	9.400 kg
Length	6.600 mm	7.600 mm	8.600 mm	9.600 mm
Width	2.900 mm	2.900 mm	2.900 mm	2.900 mm
Height	1.500 mm	1.500 mm	1.500 mm	1.500 mm
Feeding conveyor				
Version	Flat belt conveyor			
Belt length	3.100 mm	3.100 mm	3.100 mm	3.100 mm
Belt width	1.200 mm	1.200 mm	1.200 mm	1.200 mm
Motor type	worm-helical gear unit			
Drive	4,0 kW	4,0 kW	4,0 kW	4,0 kW
Screen deck				
Length	3.000 mm	4.000 mm	5.000 mm	6.000 mm
Width	2.500 mm	2.500 mm	2.500 mm	2.500 mm
Screen size	selectable	selectable	selectable	selectable
Motor type	Bevel gear drive motor			
Drive	1x or 2x 4 kW	2x 4 kW	2x 4 kW	3x 4 kW

WS-SERIES Windsifter Line



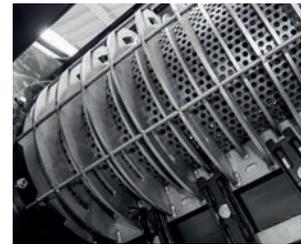
Compact and extremely powerful at the same time – our windsifters separate the material in up to three fractions with high belt speed and aerodynamic efficiency. The variable pressure chamber in three lengths makes the WS a flexible separation solution for a wide variety of feed materials.

WS	3001-3003	AIRFLEX 1500
Weight	8.570-9.210 kg	6.000 kg
Length (Basic)	6.900-9.500 mm	6.440 mm
Width (Basic)	3.950 mm	2.300 mm
Height (Basic)	2.000 mm	2.250 mm
Acceleration belt		
Belt width	3.000 mm	1.500 mm
Drive	4 kW	4 kW
Separation drum		
Diameter	800 mm	800 mm
Drive	1,5 kW	1,5 kW
Rotation speed	39 rpm	39 rpm
Fan		
Drive	45 kW	30 kW



WS	1001-1003	1501-1503	2001-2003	2501-2503
Weight	5.640-6.220 kg	6.420-7.020 kg	7.170-7.780 kg	7.850-8480 kg
Length (Basic)	6.900-9.500 mm			
Width (Basic)	1.950 mm	2.450 mm	2.950 mm	3.450 mm
Height (Basic)	2.000 mm	2.000 mm	2.000 mm	2.000 mm
Acceleration belt				
Belt width	1.000 mm	1.500 mm	2.000 mm	2.500 mm
Drive	4 kW	4 kW	4 kW	4 kW
Separation drum				
Diameter	800 mm	800 mm	800 mm	800 mm
Drive	1,5 kW	1,5 kW	1,5 kW	1,5 kW
Rotation speed	39 rpm	39 rpm	39 rpm	39 rpm
Fan				
Drive	22 kW	30 kW	30 kW	45 kW

DSP 205 Press Extruder Line



The main application of the screw press is the solid-liquid separation of biowaste and food waste for subsequent biogas generation. Biologically available components are concentrated in the liquid phase and thus separated from packaging material and other solid components.

DM 215 E Mixer Line



The horizontal mixer DM 215 E can be used for mixing biowaste, green waste and/or composts screen oversize with digestate and/or additives in composting plants, mechanical-biological treatment plants or in biogas plants.



DSP 205	
Basic machine with feeding and mixing hopper	
Weight	14.000 kg
Length	8.200 mm
Width	2.200 mm (without swing arm and control panel)
Height	3.600 mm
Infeed width	3.700 mm
Infeed height	2.800 mm
Main drive	45 kW
Auxiliary drive	3 kW (hydraulic unit)
Drive screw shafts	2x 15 kW

DM 215 E	
Weight	15.500 kg
Length (Basic)	7.710 mm
Width (Basic)	2.800 mm
Height (Basic)	2.700 mm
Infeed width	3.700 mm
Infeed height	2.700 mm
Main drive	160 kW
Auxiliary drive	1,5 kW (hydraulic unit)
Mixing chamber	
Length	3.800 mm
Width	2.500 mm
Volume	15 m³

PLANT ENGINEERING Komplett.Durchdacht and ready to use

We at ALLRECO offer individual components as well as economical, sustainable, responsible, and specific recycling solutions for your individual requirements. Please contact us!



Your requirements – Our solutions

Together with us you have the right partner at your side:

- Competent customer consulting
- Process engineering know-how
- Process layout and design
- 3D-visualization in the planning phase
- Plant optimization
- Worldwide dealer network
- On-site-service



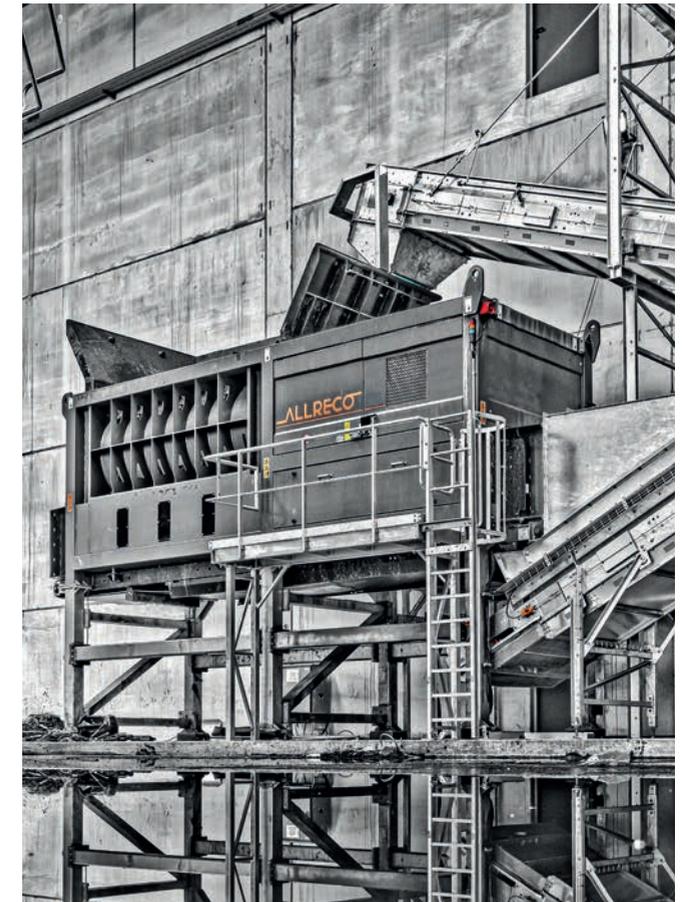
If you already own a plant, benefit from the ALLRECO plant optimization:

- Complete overhaul of Dopstadt / ALLRECO machines
- Retrofit of ALLRECO components into existing systems
- Extension of plants or separate machines



We would also be pleased to provide you with alternative processes and technologies.

ALLRECO



PRODUCT PORTFOLIO



Komplett. Durchdacht.

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CERON-SERIES Slow Speed Shredder Line

The CERON sets itself apart by its efficiency and performance when handling extremely difficult shredding jobs and can be ideally adapted to every process thanks to its wide variety of equipment options.



CERON	TYPE 206	TYPE 256	TYPE 306	TYPE 308
Weight	29.400 kg	30.600 kg	34.400 kg	38.500 kg
Length (Basic)	6.470 mm	6.890 mm	7.425 mm	7.450 mm
Width (Basic)	2.780 mm	2.780 mm	2.780 mm	2.900 mm
Height (Basic)	3.190 mm	3.190 mm	3.190 mm	3.190 mm
Motor type	Three-phase motor with frequency converter			
Drive	132 / 200 / 315 / 400 kW	132 / 200 / 315 / 400 kW	315 / 400 kW	315 / 450 kW
Shaft				
Length	2.080 mm	2.500 mm	3.060 mm	3.060 mm
Diameter	600 / 800 mm	600 / 800 mm	600 / 800 mm	800 / 1.000 mm
Rotational speed	15-31 rpm, 14-28 rpm	15-31 rpm, 14-28 rpm	14-28 rpm	18-36 rpm, 14-29 rpm, 13-26 rpm
Number of shaft teeth	Depending on the equipment			

AK-SERIES High Speed Shredder Line

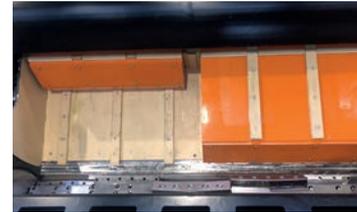
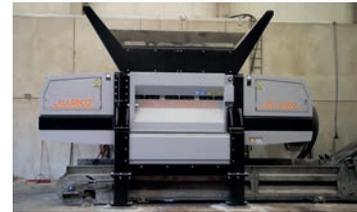


Lots of innovative technology, packed into compact dimensions – that is what defines the AK-Series. The stationary shredder provides reliable and efficient fine-shredding, combined with maximum user friendliness in compost and treatment plants for biowaste and waste wood.



AK	440 VE	540 VE	640 VE	640 L VE	NZ 180 VE
Weight	22.300 kg	22.700 kg	23.100 kg	28.500 kg	17.000 kg
Length (Basic)	7.880 mm	7.880 mm	7.880 mm	10.940 mm	4.750 mm
Width (Basic)	2.630 mm	2.630 mm	2.630 mm	2.630 mm	2.810 mm
Height (Basic)	2.930 mm	2.930 mm	2.930 mm	2.930 mm	2.000 mm
Motor type	Three-phase motor with frequency converter				
Drive	250 kW	315 kW	450 kW	450 kW	250, 315, 450 kW
Flail drum					
Width	1.770 mm	1.770 mm	1.770 mm	1.770 mm	1.770 mm
Diameter	1.070 mm	1.070 mm	1.070 mm	1.070 mm	1.070 mm
Rotational speed	1.040 rpm	1.040 rpm	1.040 rpm	1.040 rpm	1.040 rpm
Flail total	36	36	36	36	36

BST-SERIES Mid Speed Shredder Line



BST 2000	
Weight	27.000 kg
Length (Basic)	6.250 mm
Width (Basic)	3.400 mm
Height (Basic)	4.200 mm
Drive	352 kW
Rotor	
Number	1
Length	2.000 mm
Diameter	800 mm
Number Knives	50 (Rotor) 20 (Stator)
Rotation speed	0-350 rpm



The BST shreds everything - from refuse derived fuels to mixed plastic bales and film bales from sorting plants, mixed plastic briquettes, plastic production waste, lightweight packaging, and paper, and cardboard. The BST 2000 has two pushers. Both work independently of each other and thus ensure quite efficiently a jam-free continuous feeding.

AT-SERIES Feeder Line

ALLRECO can rely on a wide range of bunker types and sizes. Our portfolio includes moving floor systems, belt, and chain belt systems as well as solutions with steel slat conveyor. The wide range of bunker varieties allows the use for many materials, such as waste wood, green waste, compost, sand, soil, gravel, residual waste, commercial waste, mixed construction waste, as well as already processed recyclables or intermediates.



SM/SST-SERIES Trommel Line



SM	518 A	518 F	620 A
Weight	4.800 kg	7.900 kg	6.000 kg
Length (Basic)	6.330 mm	9.190 mm	6.840 mm
Width (Basic)	2.600 mm	2.450 mm	2.450 mm
Height with drum	2.540 mm	2.610 mm	2.750 mm
Motor type	Spur gear motor		
Drive	11 kW	11 kW	15 kW
Drum screen			
Diameter	1.800 mm	1.800 mm	2.000 mm
Length	4.710 mm	4.710 mm	5.440 mm
Mesh size	selectable (round and/or square mesh size, wire mesh size)		
Rotational speed	7-21 rpm	10-22 rpm	10-20 rpm
Screen area	22,5 m²	22,5 m²	30,2 m²

With the screening machines of the SM and SST series it is possible to screen waste and raw materials such as compost, soil, green waste, biowaste, waste wood, root wood, household waste, commercial waste, mixed construction waste, plastics, glass, paper, sand, gravel, scrap, slag, and other recyclable materials.



SST	518	720	725	1025	1525
Weight	7.800 kg	13.000 kg	15.200 kg	21.000 kg	29.500 kg
Length (Basic)	6.890 mm	9.270 mm	9.350 mm	12.530 mm	17.600 mm
Width (Basic)	2.450 mm	2.650 mm	3.000 mm	3.000 mm	3.000 mm
Height with drum	3.200 mm	3.300 mm	3.260 mm	3.260 mm	3.260 mm
Motor type	Spur gear motor				
Drive	11 kW	22 kW	2x 15 kW	4x 11 kW	4x 15 kW
Drum screen					
Diameter	1.800 mm	2.000 mm	2.500 mm	2.500 mm	2.500 mm
Length	4.710 mm	7.000 mm	7.000 mm	10.000 mm	2x7.000 mm
Mesh size	selectable (round and/or square mesh size, wire mesh size)				
Rotational speed	7-21 rpm	8-20 rpm	6-15 rpm	6-15 rpm	6-15 rpm
Screen area	22,5 m²	38,8 m²	47,9 m²	63,8 m²	95,8 m²

ALLRECO. Komplett. Durchdacht.

It all started in Niederberg in the "Bergisches Land" region. Hedwig, Werner, and Josef Doppstadt established the "Doppstadt" agricultural contractor company. Today the passion for technical innovations, inventiveness, and the perception of market requirements are still the fundamental motive forces for the successful creative-ness of the Langenberger Innovation Group (LIG) with the 2nd generation of shareholders. ALLRECO, with a long Doppstadt history, is directly owned by the LIG since 2021.

Our core business includes machines and plants for the processing and separation of waste wood, MSW, commercial and industrial waste, biomass processing, and refuse-derived fuel production.

We are a team of highly qualified and experienced specialists. We can offer our customers tailor-made high-quality machines and completely thought-out plant solutions to meet their requirements.

With a lot of flexibility and inventiveness, we are ready to move great things with you!

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Note:
The technical data are approximate values and depend on the machine equipment (subject to change without notice).