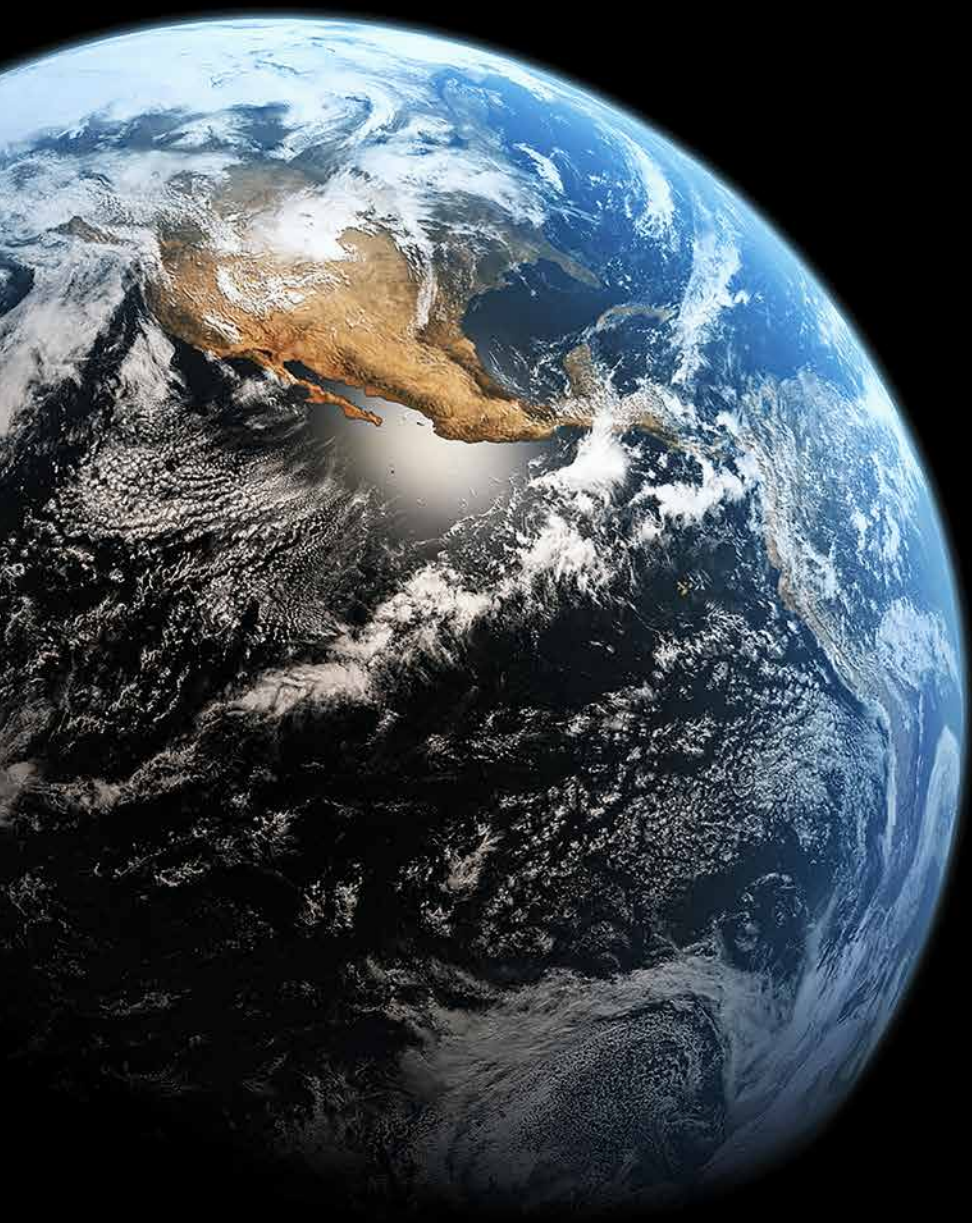


**BRT**   
**HARTNER**

Opening, Dosing and Sorting Systems,  
Mixing and Drying Units

The realization that natural resources are finite has pushed people into thinking about their lifestyle. This is why we are now more attuned to the idea of nature being a valuable asset that needs to be safeguarded for future generations. The development of sustainable solutions is the active way to contribute to a future worth living, and is something that our employees engage in on a day-to-day basis.

Karlgünter Eggersmann,  
CEO



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## Opening Systems

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# BRT HARTNER BO

Bag Opener



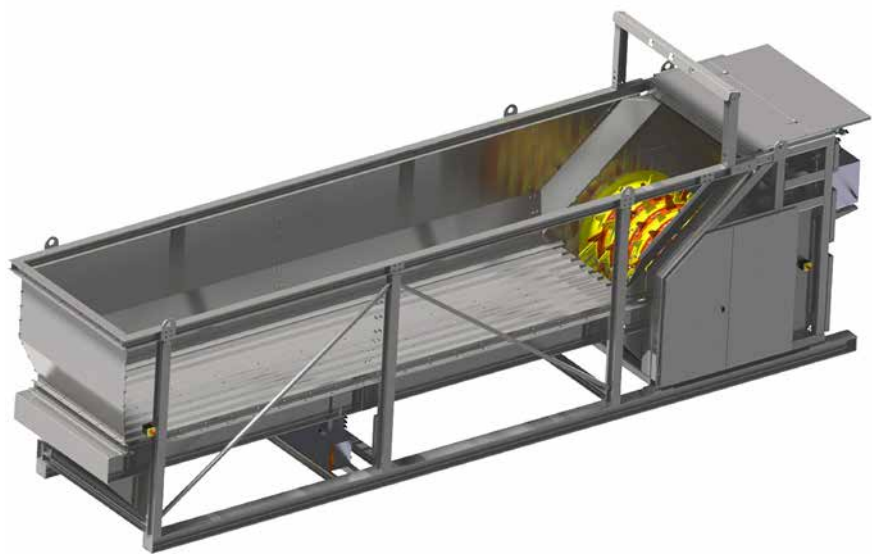
## Technical Data

	BO 13	BO 17	BO 21
Working width	1.3 m	1.7 m	2.1 m
Hopper length	up to 12 m	up to 12 m	up to 14 m
Hopper volume min.	14 m³	17 m³	22 m³
Hopper volume max.	27 m³	33 m³	45 m³
Power requirement	17 – 36 kW	22 – 43 kW	28 – 52 kW
Total weight	10 – 16 t	12 – 18 t	14 – 22 t
Opening rate min.	95%	95%	95%
Max. throughput with lightweight packaging	10 t/h	13 t/h	16 t/h
Max. throughput with MSW / household waste	24 t/h	36 t/h	50 t/h

\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.

The Bag Opener opens the plastic bags and transfers the metered material to the subsequent sorting and preparation plants. The machine is available as a standard model or in combination with a charging hopper. The hopper is fed batchwise by a front loader.

- Virtually 100% opening and emptying of the plastic bags
- High opening rate of “bags within bags”
- Suitable for a wide range of material, e.g. packaging material, residual waste, household waste, wastepaper
- Protection against entanglement and wrapping of strings, tapes, wires and foils
- Loosened up and evened out material supply to the sorting process
- Low servicing and maintenance requirements
- Overrange protection and automatic switch-off in case of blockages caused by bulky and disruptive material
- Large storage hopper for feeding by front-end loader





# BRT HARTNER BOE | BOH

## The Next Generation of Bag Openers



The new BRT HARTNER BOE | BOH 17 evolved from the proven BRT HARTNER BO-series. The innovations in this new model are based upon two decades of experience and more than 500 shipped machines. Functionality, sturdiness and modularity combined with the easy-to-use but precise controls, make it the best Bag Opener available on the market.

The focus for the BRT HARTNER BOE | BOH-series was set on user friendliness and automation while maintaining the level of quality and functionality of the BRT HARTNER BO-series. As a result a wide set of features to support the user as well as the facility manager, have been integrated into the controlling system.

The segment drum of the BOH 17 is powered by the proven hydraulic drives.  
The BRT HARTNER BOE 17 is powered by electrical servo drives which allow innovative, adjustable opening cycles of the segment drum.

The optional weighing system is a central part of many additional functions that turn the BRT HARTNER BOE 17 into the key asset for the loading process. Important operating data is being saved and can be used for analysis later on. The throughput rate, bunker filling level, running time and overall performance, among other data, can be accessed as diagram or via report. This helps the facility manager to optimize the processes and makes reporting more comfortable.

The BRT HARTNER BOE | BOH 17-series also has an interesting set of additional features in stock for the user. Integrated WLAN-access in combination with a tablet pc enables direct interaction of loading personnel and machine. Optical and acoustical signals inform the user of the remaining time, current fill level and the time until next loading. At the same time cameras simplify the loading process and help monitoring inner machine functions.

Facilities with lots of different materials benefit highly from the innovative BRT HARTNER BOE-series. Processing quantities batchise or changing the mode of operation is easily done and spares lengthy adaption of process parameters.

The web interface allows simple, location-independent access to machine controls by any Windows, Android or Apple IOS device within the locations network or via secured connection. With that, all relevant information can be accessed worldwide. The service department of Eggersmann GmbH can supply quick support via remote maintenance interface.

Trend setting innovations in the BRT HARTNER BOE | BOH-series contain:

- Modern design, especially easy-to-use and easy-to-service
- Modular extendable bunker-system
- Weighing system to monitor processing quantities and for analysis
- Fully automated regulation of throughput quantity to optimize facility utilization
- Web interface for monitoring and reporting
- Load guide to support loading process and personnel

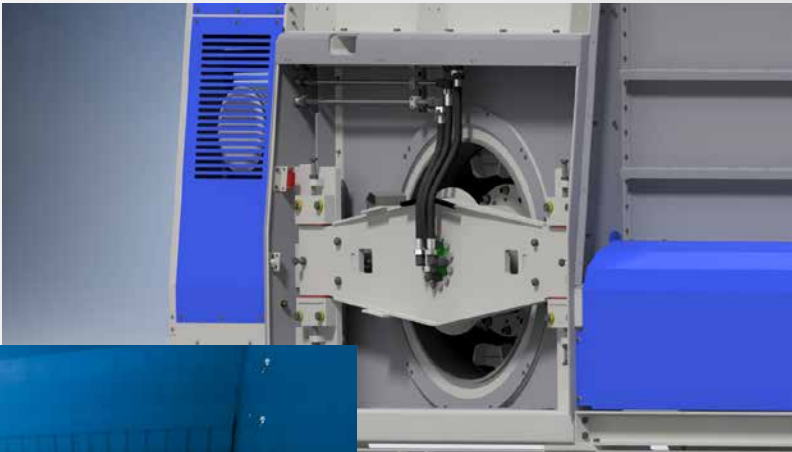
### Technical Data

	BOE   BOH 17
Working width	1.7 m
Hopper length	5 / 7.5 / 10 / 12.5 / 15 m
Total length	8.95 - 18.95 m
Outer width	approx. 2.27 m
Outer height	approx. 2.5 m
Hopper volume	14 - 42 m³
Power requirement	28 - 57 kW
Total weight	approx. 11 - 20 t
Opening rate min.	95%
Max. throughput with lightweight packaging	16 t/h
Max. throughput with household waste (MSW)	50 t/h

\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.



Drive segment drum BOE



Drive segment drum BOH





# BRT HARTNER BOS

Dismantler for Small Waste Bags



## Technical Data

	BOS 12	BOS 18	BOS 24
Working width	1,200 mm	1,800 mm	2,400 mm
Hopper volume	2 m³	2 m³	2 m³
Outer length	2,700 mm	3,300 mm	3,900 mm
Outer width	2,200 mm	2,200 mm	2,200 mm
Feeding height	approx. 3,800 mm	approx. 3,800 mm	approx. 3,800 mm
Power requirement	37 kW	45 kW	55 kW
Total weight	6 t	8 t	10 t
Max. speed	18 U/min	18 U/min	18 U/min
Opening rate min.	95%	95%	95%
Max. throughput	30 m³/h	45 m³/h	60 m³/h
Max. throughput at 800 kg/m³	24 t/h	36 t/h	48 t/h

\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.

The BRT HARTNER BOS opens small plastic waste bags and transfers the materials to downstream sorting and recovery plants. The BRT HARTNER BOS is available in basic design. In combination with a pre-connected Feed and Metering Hopper of the BRT HARTNER D-series the Bag Opener will reach its highest efficiency. The hopper is charged batchwise per front-end loader or gripper.

- Virtually 100% opening and emptying of bags
- Low acquisition costs
- Extremely robust and resistant to wear
- Loosened up and evened out material supply into the sorting process
- Ready-to-connect design
- Low servicing and maintenance requirements
- Space-saving
- Silent machine operating
- Slow runner
- Ideal with pre-connected Feed and Metering Hopper of the D-series





# BRT HARTNER BB

## Bale Breaker



The Bale Breaker serves for unraveling of press bales of PET-bottles, waste paper, residual waste, plastic waste and similar materials, as well as the metered material transport downstream working processes. By adjusting the unraveling grade, an optimal subsequent sorting is guaranteed.

The BRT HARTNER BB-series does not crush but loosen the material for a most effective material sorting. The bunker walls are designed as plug-in walls. This allows individual wall elements to be removed or added. If required, a supplemented ripping device can be installed for an additional loosening process and opening of tied bundles and cartons.

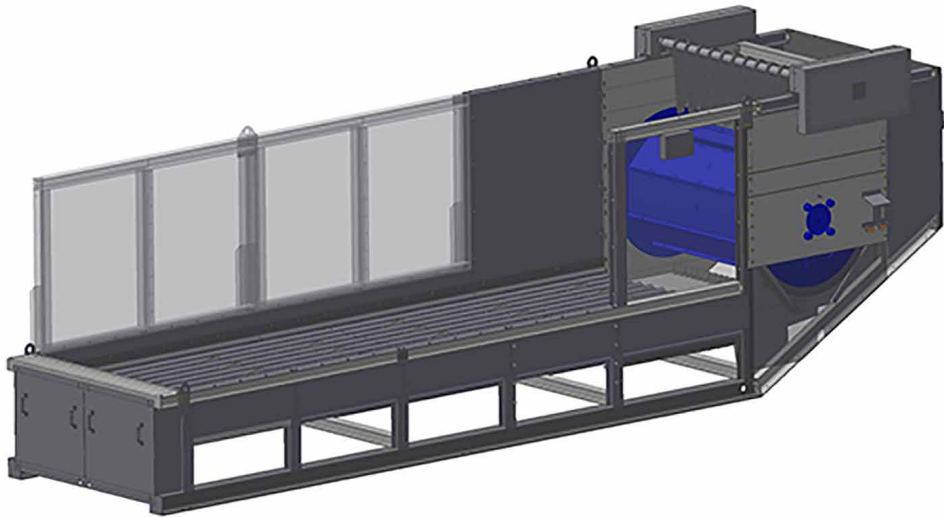
- For PET-bottles, residual waste, plastic containers, waste paper, sorting rests, etc.
- Efficient opening of bales and loosening up of material
- Even and continous material discharge
- Infinitely adjustable throughput rate
- Large bale hopper for long feeding intervals
- Ready-for-operation construction with drives and electrical control system
- High mobility and usability on various sites
- Plug-in walls



## Technical Data

	BB
Working width	1,780 mm
Number of push-boards	12 pieces
Feeding height	approx. 800 mm
Total height	2,500 mm
Hopper length min.	6,000 mm
Total length min.	8,400 mm
Extension in steps of	1,500 mm
Hopper length max.	12,000 mm
Total length max.	14,400 mm
Bale dimensions max. (w x h x l)	1,200 x 1,200 x 2,500 mm
Bale weight	approx. 400 – 800 kg
Power requirement Moving Floor	4 to 22 kW
Bale Breaking Unit	7.5 to 11 kW
Weight	11.5 t
Throughput	up to 10 t/h

\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.





# BRT HARTNER D

## Feed and Metering Hopper



BRT HARTNER D Feed and Metering Hoppers are designed for continuous and even feeding of most different materials and are equipped with an electrical volume flow regulation and an BRT HARTNER MF Moving Floor Conveyor.

Preferably, such Feed and Metering Hoppers are employed for feeding in sorting and recovery plants with waste paper, packaging waste, waste wood, biodegradable waste, organic waste and wood chips. Feed and Metering Hoppers of the BRT HARTNER D-series are charged e.g. by front loader. For adapting the feeding intervals to the operational demands, the hopper can be manufactured in various sizes.

The integrated Moving Floor Conveyor serves for material transport to the dosing unit. There, the recyclables are loosened up and presented to downstream sorting processes as even and continuous material stream.

Optical sensors control the material layer on the discharge belt. The rotational speed of the dosing unit and the velocity of the moving floor are adjusted accordingly.

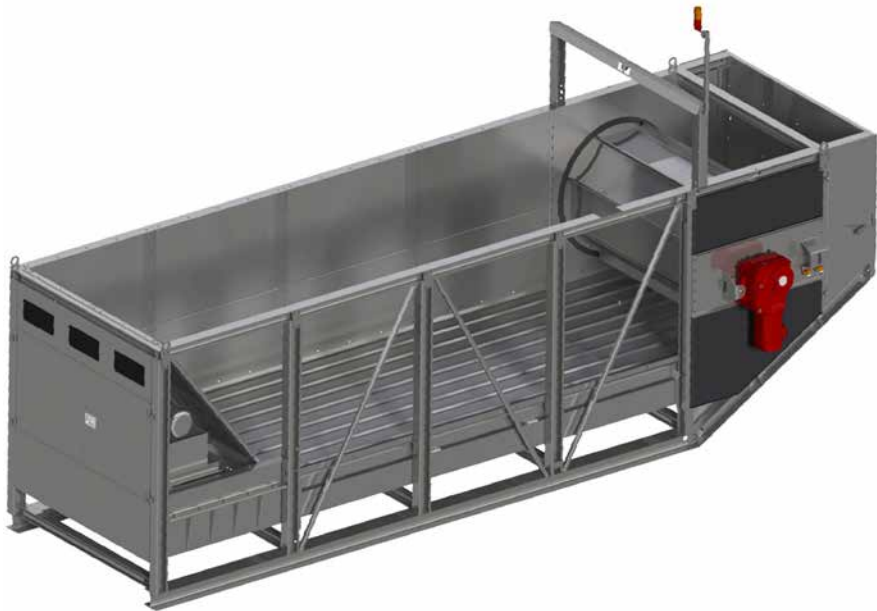
- For waste paper, biowaste, commercial waste, RDF, demolition waste, residual waste, etc.
- Loosened up and even material feeding to sorting and recovery units
- Infinitely adjustable throughput rate
- Access to the bunker via maintenance door with safety switch
- Entanglement protection and self-cleaning effect of the dosing drum against strings, long foils, cords and wires
- Large feed hopper for long feeding intervals
- Low maintenance and servicing requirements
- Efficiency boost of as much as 20% compared to common feeding methods
- Ready for operation construction including drives and electrical control system



## Technical Data

	D 18	D 24
Working width	1,780 mm	2,380 mm
Number of conveyor slots	12 pieces	15 pieces
Fill level	1,700 mm	1,850 mm
Total height	2,500 mm	2,500 mm
Hopper length min.	6,000 mm	6,000 mm
Total length min.	8,400 mm	8,400 mm
Extension in steps of	1,500 mm	1,500 mm
Hopper length max.	12,000 mm	16,500 mm
Total length max.	14,400 mm	18,900 mm
Volume	16 up to 34 m³	23 up to 80 m³
Power Moving Floor	4 up to 22 kW	4 up to 22 kW
Power dosing unit	4 up to 11 kW	4 up to 11 kW
Weight	10.5 t	12 t

\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.





# BRT HARTNER MF

## Moving Floor Conveyor



BRT HARTNER MF Moving Floor Conveyors can be manufactured in virtually every length and width. Thanks to the design, the units can be transported in completely mounted state. All requested hopper capacities with reversible transport directions can be realized. Each BRT HARTNER MF Moving Floor Conveyor consists of three push-boards groups. Each group can be moved independently from the others. For transporting of material, all three groups are moved in the requested transport direction.

The material transport is effected by forward and backward moving push-boards. During the following working strokes, the groups are individually withdrawn. The material is held back on the unmoved push-boards. By reversing the transport direction, an optimal feeding of the hopper is achieved before the material is being transported to subsequent processes.

Additional equipment, such as sidewalls, completely closed hoppers or metering and discharging devices are available upon request.

- Transport of all kinds of material, no matter if featherweight, heavyweight, wet and sticky or highly abrasive
- Modular design for any required size
- Transport speed infinitely adjustable
- Easy integration into existing material bunkers
- Also available as driveable heavy-duty design
- Without rotating parts, therefore no danger of entangling
- High carrying capacity, safe against impact load
- As required with metering and discharging devices



### Technical Data

	MF 18	MF 24	MF 30
Working width	1,780 mm	2,380 mm	2,980 mm
Number of push boards	12 pieces	15 pieces	18 pieces
Height Moving Floor	approx. 400 mm	approx. 400 mm	approx. 400 mm
Fill level max.	1,800 mm	2,400 mm	3,000 mm
Moving Floor length min.	6,500 mm	6,500 mm	6,500 mm
Total length min.	8,000 mm	8,000 mm	8,000 mm
Extension in steps of	1,500 mm	1,500 mm	1,500 mm
Power requirement	4 up to 22 kW	4 up to 22 kW	4 up to 22 kW
Weight	5 t	6 t	7 t

\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.





# BRT HARTNER DC

## Feed Hopper with Decompactor



## Technical Data

	DC 14	DC 20
Working width	1,400 mm	2,000 mm
Centre distance	6,880 or 9,720 mm	10,660 mm
Inclination	0°	0°
Scraping chain	drop-forged flat link chain T 125 HV	
Decompactor shafts	2 or 3 pieces	2 or 3 pieces
Side guiding plates frontside	1,000 or 1,500 mm	1,000 or 1,500 mm
Side guiding plates backside	2,200 or 2,700 mm	2,200 or 2,700 mm
Volume hopper	11 - 25 m³	15 - 30 m³
Throughput	up to 200 m³/h	up to 300 m³/h
Power scraping chain	2.2 kW	2.2 / 3 / 4 kW
Power decompactor shafts	2 or 3 x 7.5 - 11 kW	2 or 3 x 7.5 - 11 kW

\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.

Feed hoppers with an integrated decompactor are used in mechanical and biological waste treatment facilities. They are used for taking up, buffering and dosing of green, biological waste, organic production residues, plastic waste, etc. For material movement, scraper chain conveyors or belt conveyors can be used.

The dosage feeder can be loaded via wheel loaders or grab crane. All systems can be equipped with one or several decompactor rollers. The decompactor rollers loosen up the input material and ensure even transfer to downstream processes.

Feed hoppers with decompackors consist of a heavy, stable and torsion-resistant sheet steel and profile steel structure. They are adapted to the particular requirements of the input material.





# BRT HARTNER BS

Ballistic Separator - BSH | BSW | BSV



**BRT HARTNER BSH:**

The BRT HARTNER BSH is a Ballistic Separator for packaging and household waste (single piece weight: < 10 kg). The paddles and sieve meshes are made of unalloyed construction steel.

**BRT HARTNER BSW:**

The BRT HARTNER BSW is a medium-heavy machine for household and commercial waste (single piece weight: < 20 kg). The reinforced paddles and sieve meshes are made of wear-resistant steel. This ensures a long service life even in rough applications.

**BRT HARTNER BSV:**

The BRT HARTNER BSV is the hardest machine in comparison and represents the spearhead in the field of ballistic separation of household waste, commercial waste or pre-comminuted rubble (single piece weight: < 30 kg). Depending on the material type, grades of up to 98% can be achieved, with a throughput of up to 100 m³/h. As with BRT HARTNER BSH and BRT HARTNER BSW, our proven, patented eccentric crankshaft is also used in this machine, which is equipped with a modular double eccentric bearing for this heavy duty application. Together with the use of the most durable wear steels for machine frames, paddles and sieve inserts, the double eccentric bearings guarantee an unmatched service life at lowest operating costs.



Waste paper

MSW & industrial waste

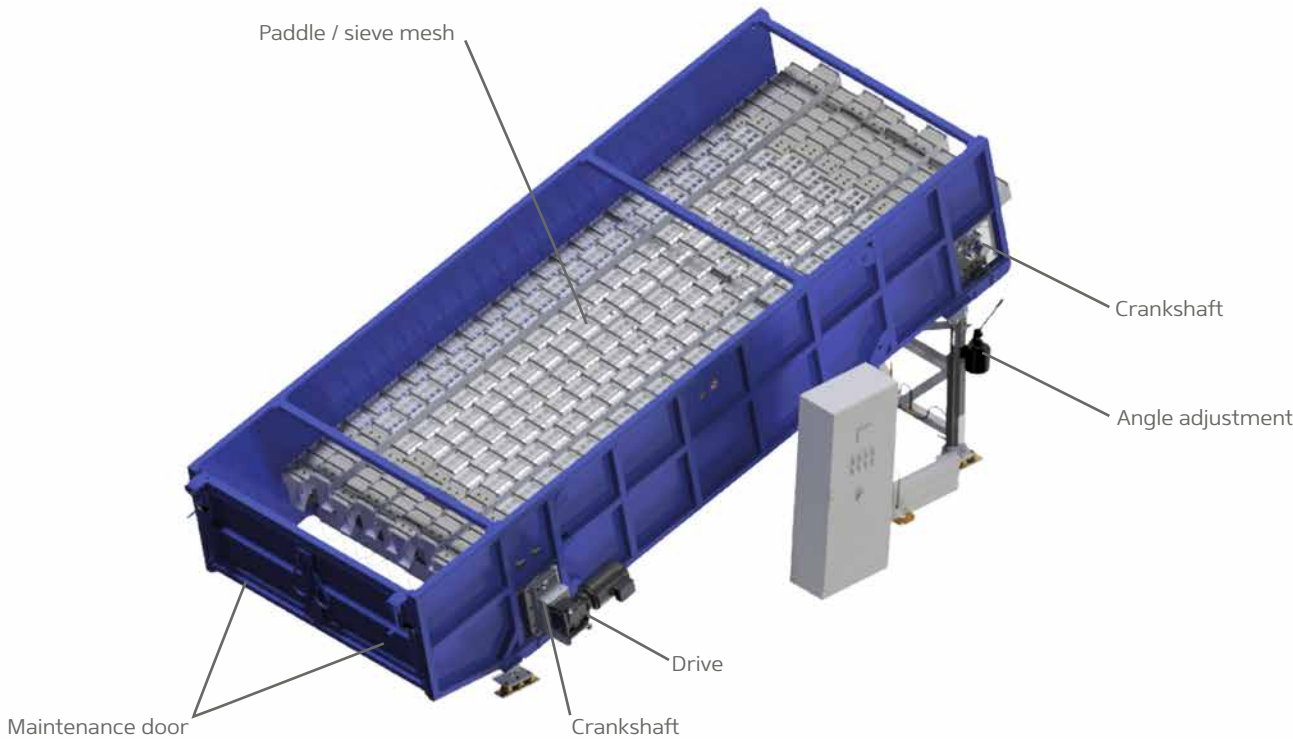
Single Stream

PET-separation

## Technical Data

	40	45	60	90	120	40	45	60
Model	BSH/BSW	BSH/BSW	BSH/BSW	BSH/BSW	BSH/BSW	BSV	BSV	BSV
Angle of inclination (°)	13 - 20	12 - 20	12 - 20	12 - 20	12 - 20	13 - 20	12 - 20	12 - 20
Paddle width (mm)	338	338	338	338	338	336	336	336
Useful width (m)	2.07	2.07	2.77	4.14	5.54	2.08	2.08	2.77
Paddle length (m)	5.08	6.3	6.3	6.3	6.3	5.08	6.3	6.3
Hatch (mm)	258	258	258	258	258	244	244	244
Drive power (kW)	11	11	11	22	22	22	22	22
Throughput (m³/h)*	40-45	45-60	60-90	90-120	120-200	35-45	40-55	55-75
Sieve area (m²)	10.5	13	17.4	26	34.9	10.5	13	17.5
Paddle no.	6	6	8	12	16	6	6	8
Height (m) - machine frame	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.7
Length (m) - machine frame	5.8	7.1	7.1	7.1	7.1	5.9	7.1	7.1
Rotational speed (1/min)	BSH: 0-195, BSW: 0-185, BSV: 0-180 (frequency controlled)						-	
Control enclosure / PLC	Option: Siemens Logo!						-	
Fieldbus	Option: Profibus, Modbus, TCP/IP						-	
Air support	Option: 2 / 4 Fans (frequency controlled)						-	
Angle adjustment	Serie: Mechanical angle adjustment, Option: Hand- / motor-hydraulic adjustment						-	
Central greasing	Serie: Manual greasing, Option: Centralized hand greasing, central greasing system						-	
Sieve mesh	Serie: 60 mm (square), Option: BSH   BSW: 10-80 mm (square/round), BSV: 10-100 mm (square/round)						-	
Top cover	Option: PVC-top cover, steel top cover, steel hood						-	

\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.





# BRT HARTNER BPS

Papersorter



## Technical Data

	BPS 12	BPS 14	BPS 16	BPS 20	BPS 22	BPS 30	BPS 45
Model	1 Deck	1 Deck	1 Deck	2 Deck	2 Deck	2 Deck	3 Deck
Paddle width (mm)	338	338	338	338	338	338	338
Useful width (m)	2.07	2.07	2.77	2.07	2.07	2.77	2.77
Paddle length (m)	5.3	6.3	6.3	2x 4.3	2x 5.3	2x 5.3	3x 5.3
Outlet opening (mm)	258	258	258	258	258	258	258
Drive power (kW)	11	11	11	22	22	22	33
Throughput (t/h)*	10-12	12-14	14-16	18-20	20-22	25-30	35-45
Sieve area (m²)	10.9	13	17.3	17.6	21.8	29.1	43.6
Paddle no.	6	6	8	12	12	16	24
Rotational speed (l/min)	Serie: 0-195 (frequency controlled)						
Control enclosure / PLC	Option: Siemens Logo!						
Fieldbus	Option: Profibus, Modbus, TCP/IP						
Housing	High housing						
Angle adjustment	Serie: 15° fixed						
Central greasing	Serie: Manual greasing; Option: Centralized hand greasing / automatic greasing system						
Sieve mesh	Serie: adjustable Sieve mesh; Option: adjustable + wrap protection / longitudinal division						

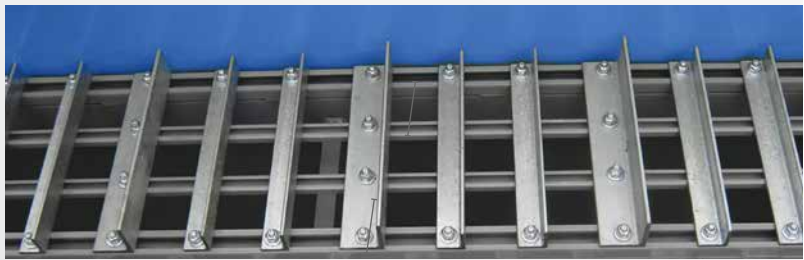
\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.

The BPS is suitable within the range of the waste paper assortment both for the separation from paper and cardboard boxes and for the finesorting of the problematic disturbing of portions in the waste paper, here particularly also for the improvement of the deinking quality.

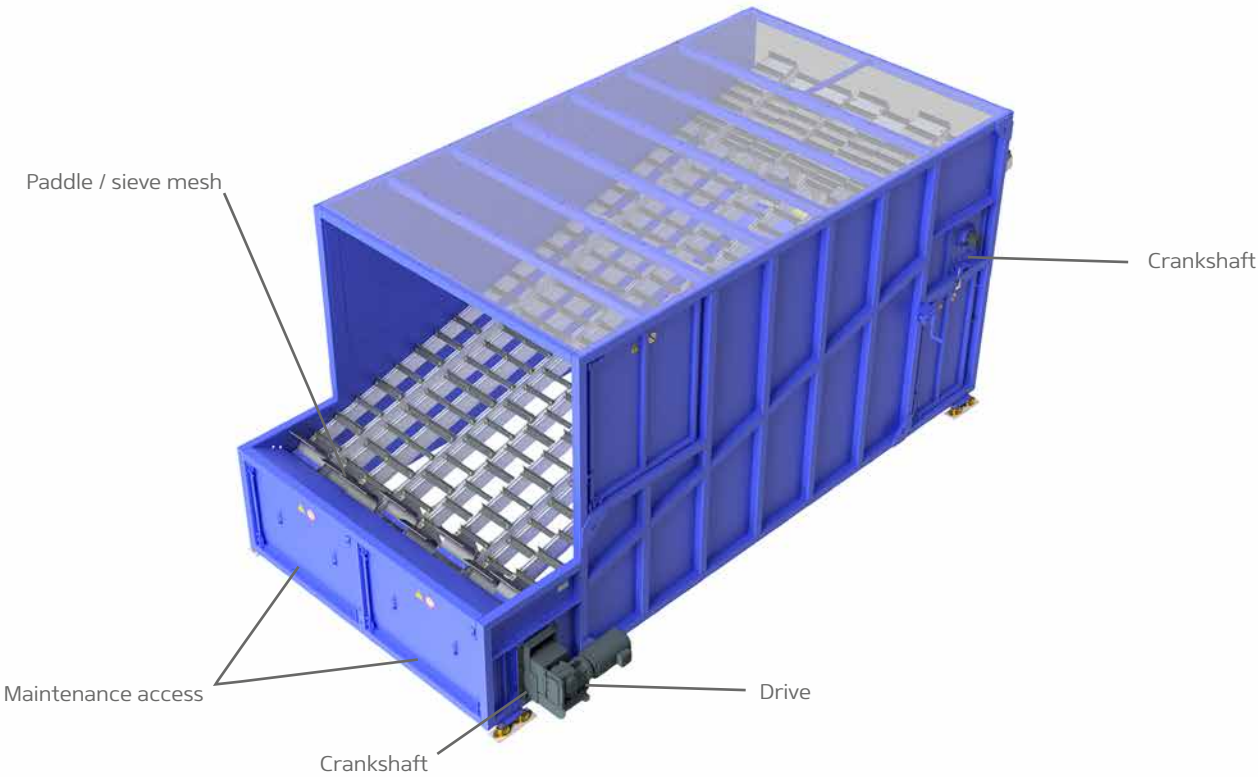
- Rugged machine-design for durable application
- Shaft with patented eccentric bearings
- Rugged changeable bearings
- Patented adjustable sieve-opening
- Many types for each purpose
- Sieve-area from 10.9 m² to 43.6 m²
- Paddle width 338 mm
- 6 / 8 / 12 / 16 / 24 paddles
- 2 sievepaddle-widths available
- Throughput from 6 t/h to 45 t/h
- Easy to maintain
- For fines/trash and cardboard-sorting
- High housing
- Screwable screen linings



High housing



Adjustable sieve mesh





# BRT HARTNER SD

## Trommel Screen



Trommel Screens separate the material input in different grain sizes. The specific materials, throughput rates and the screen size of the output fractions are the main criteria for the appropriate size of the screen drum.

The exchangeable screen sheet metals have round or rectangular holes, as well as an additional entangling protection if required for a particular kind of material. Further bag ripping tools, accelerators, mixers or other means can be added for additional improvement of the screening result.

- Suitable for domestic waste, organic material, RDF, compost, industrial waste, building rubble, etc.
- Eminently suitable for separating of flat materials thanks to permanent material turning
- Extremely robust and resistant to wear
- Production of up to four fractions
- Different mesh sizes and tools for optimal screening results
- Protects downstream units from blockages
- high maintainability
- High separation quality and effectiveness, outstanding throughput capacity



Trommel Screen, MBA Wrexham (UK)

## Technical Data

	SD 21	SD 25	SD 30
Drum diameter	2,100 mm	2,450 mm	2,950 mm
Length of sieving surface	6,000 - 8,000 mm	6,000 - 12,000 mm	6,000 - 12,000 mm
Total length of drum body	8,000 - 10,000 mm	8,000 - 14,000 mm	8,000 - 14,000 mm
Total sieving area	40 - 53 m²	46 - 92 m²	65 - 111 m²
Thickness of screen plates	8, 10, 12 mm	10, 12, 15 mm	10, 12, 15 mm
Drum inclination	4°	4°	4°
Thickness of rings	35 mm	35 mm	35 mm
Width of rings	150 or 280 mm	280 or 410 mm	280 or 410 mm
Number of radial wheels	4 or 8	8 or 12	8 or 12
Design radial wheels	1-fold/2-fold	2-fold/3-fold	2-fold/3-fold
Drive	1 x 11 kW or 1 x 15 kW	1 x 15 kW or 2 x 15 kW	1 x 15 kW or 2 x 15 kW
Base frame profile height	300 mm	300 or 360 mm	300 or 360 mm
Total weight	14.8 - 16.6 t	20.8 - 28.0 t	26.5 - 33.7 t

\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.



Solid race



Protection against wrapping by flat steel



Protection against wrapping by pipe sleeves



Infed of the drum without holes and labyrinth seal



Key transfer system



Loading



# BRT HARTNER BBS

## Air Belt Separator



## Technical Data

	BBS 10	BBS 16
Working width	1,000 mm	1,600 mm
Throughput	up to 100 m³/h	up to 160 m³/h
Length total	9,200 mm	9,200 mm
Width total	1,800 mm	2,400 mm
Height total	4,600 mm	4,600 mm
Installed electrical power		
Arch belt	2.2 kW	2.2 kW
Fan for nozzle	15.0 kW	22.0 kW
Fan for underpressure generation	7.5 kW	15.0 kW

\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.

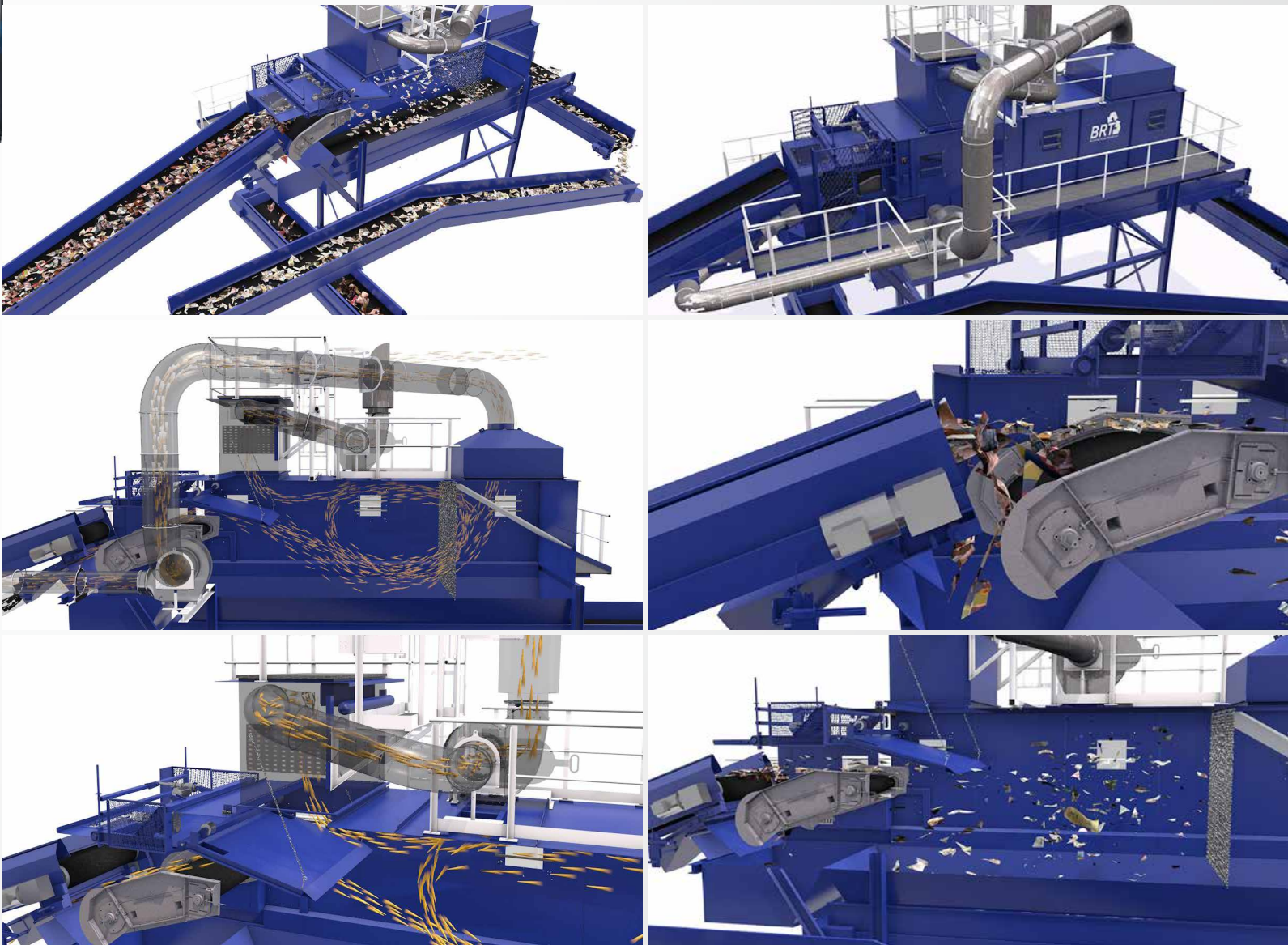
The separator classifies the input material into a light weight and a heavy weight fraction. The input material has to be free of fines and oversizes as far as possible. The input material has to be pourable and may not agglutinate. For good separation results, the ratio of the smallest to the largest particle should be 1 : 4.

The input material must be evenly discharged on the acceleration belt. Under the head of the accelerating belt a nozzle is placed. The input material passes this nozzle in free fall. Very light components are blown out of the stream over the arch belt directly into the settling chamber. In the transfer area, very heavy parts fall down on a heavy material discharge belt. All other parts bounce against the arch belt and are also separated into light and heavy fractions by the radius and the adjustable pitch of the arch belt.

In the settling chamber the light fraction is separated from the air stream and discharged by the light material discharge belt.

The separator operates in recirculation mode. A second fan extracts the dust-laden air through a filter from the settling chamber and transfers the cleaned air to the surroundings. The separated dust is supplied to the light material fraction.

- High recovery rate of light fraction
- Numerous adjustment parameters allow machine adaptation for an optimal separation result for different materials
- Integrated filter unit





# BRT HARTNER DCD

Digestate Conditioner | Dryer



To perfectly pretreat digestate mixtures before the aerobic treatment as well as the thermic drying of the material, the input substrates are mixed into the dynamic material flow, then homogenized and fluffed up. The pressure ventilation of the material with pre-heated circulating air and active floor heating of the closed machine are the basis for an optimized ammoniac and water output through the exhaust air. This exhaust air is processed by the exhaust air treatment system.



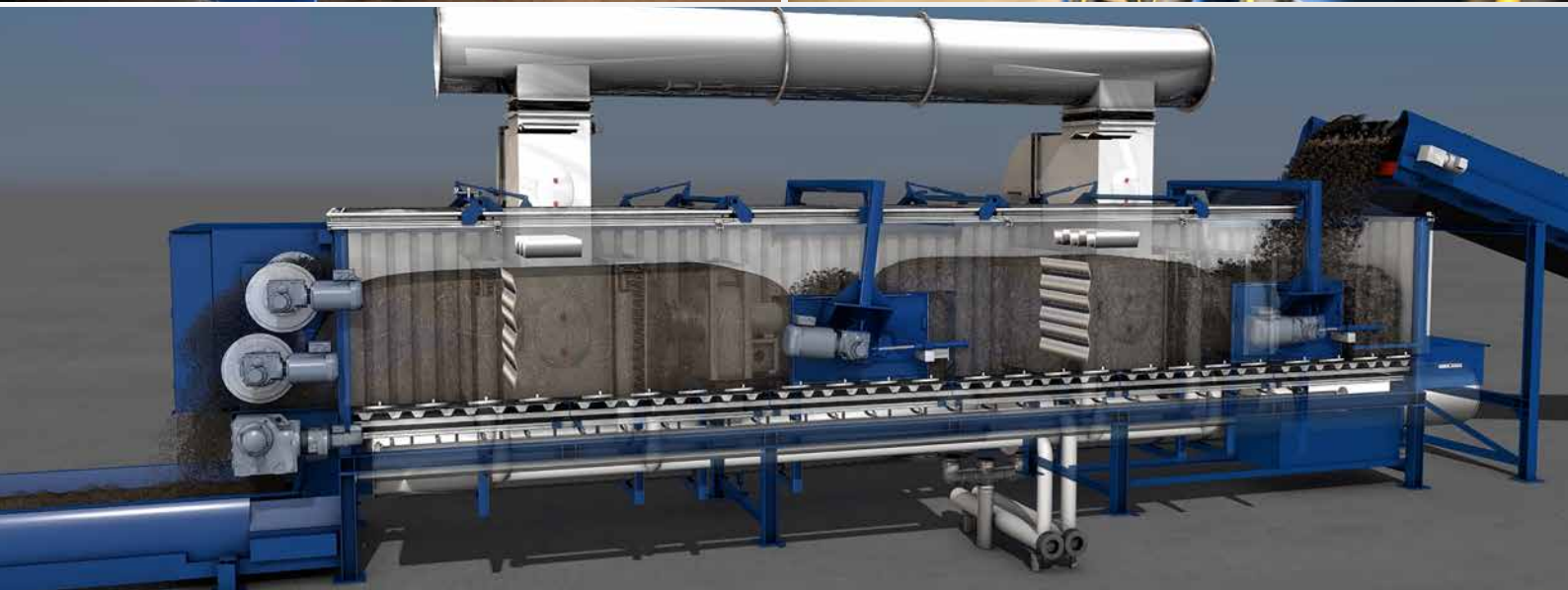
## Technical Data – DCD 20

Useful length/working length	approx. 12,500 mm	approx. 24,500 mm
Filling volume	approx. 30 m³	approx. 60 m³
Useful width/working width	approx. 2,000 mm	approx. 2,000 mm
Filling height	approx. 1,200 mm	approx. 1,200 mm
Throughput	10 - 120 m³/h	10 - 120 m³/h
Treatment time	0.25 - 3 hours	0.5 - 6 hours
Number of turning/mixing processes	2x during one run	2x during one run
Supply air flow rate	max. 2 x 18,000 m³/h	max. 3 x 24,000 m³/h
Output air heating	max. 2 x 200 kW <sub>therm</sub> *1	max. 3 x 270 kW <sub>therm</sub> *1
Recirculating air system (optional)	adjustable 100% recirculated air – 100% fresh air	adjustable 100% recirculated air – 100% fresh air
Power floor heating	max. 200 kW <sub>therm</sub> *2	max. 400 kW <sub>therm</sub> *2
Layout heating system	80°C flow temperature 60°C return flow temperature	80°C flow temperature 60°C return flow temperature

\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.

\*1 at max. supply air flow rate

\*2 depending on material



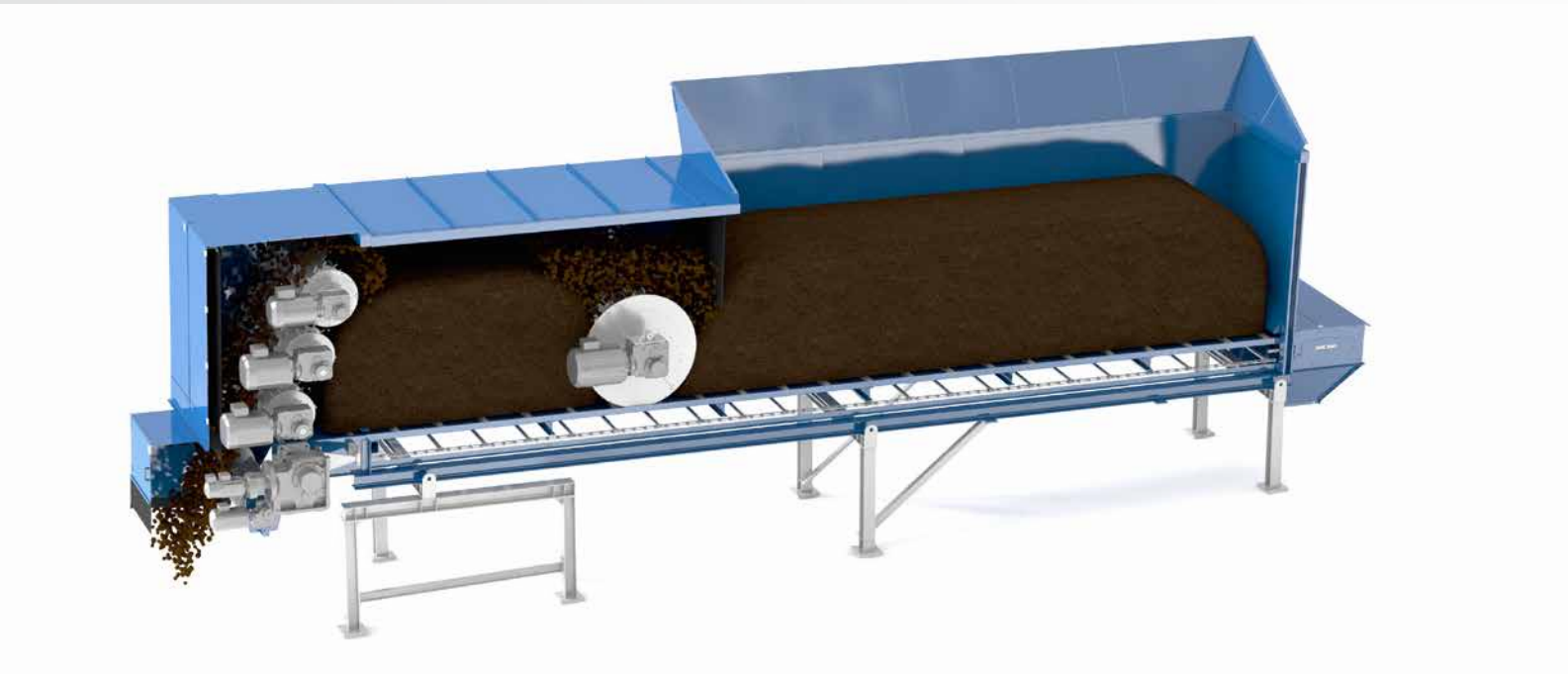


# BRT HARTNER DM

## Digestate Mixer



The BRT HARTNER DM Digestate Mixer is a machine used for the optimal production of mixes from digestate, sewage sludge and the like on the one hand and structuring materials such as green waste, raw compost and screen overflow on the other. The system of mixing the substrates with the aid of mixing rollers in the material flow effectively prevents compaction or kneading effects and loosens up the substrate. This is of great benefit for aerobic post-treatment of the substrate. BRT HARTNER DM furthermore excels with its high throughput at great resistance against impurities, which allows for its optimal integration into the automated material flow of a system as well as into a downstream batch system.



## Technical Data

	DM 12	DM 20
Axle distance	approx. 6,875 mm	approx. 12,380 mm
Useful length/working length	approx. 6,400 mm	approx. 11,900 mm
Useful width/working width	approx. 1,200 mm	approx. 2,000 mm
Filling height	approx. 1,200 mm	approx. 1,700 mm
Filling volume	approx. 10 m³	approx. 40 m³
Feeding length	approx. 1,500 mm	approx. 6,800 mm
Hopper volume	-	approx. 23 m³
Discharge width	approx. 1,200 mm	approx. 2,000 mm
Discharge width   optional with discharge screw conveyor	-	approx. 1,000 mm
Diameter mixing roller	approx. 750 mm	approx. 1,200 mm
Diameter mixing / discharge rollers	approx. 610 mm	approx. 610 mm
Conveyor speed	0.0045 – 0.022 m/s	0.0068 – 0.021 m/s
Throughput	36 – 180 m³/h	80 – 250 m³/h

\* Throughput can vary depending on the material, material properties, moisture and composition. All values are approximate.





# References



## Trommel Screen

Project start: 01/2013  
 Location: Poland, Zary  
 Material: MSW  
 Throughput per hour: 25 t/h  
 Usage: separates the material input into various grain fractions: 0 – 80 mm, 80 – 240 mm and > 240 mm  
 Machine: BRT HARTNER SD 30



## Feed and Metering Hopper

Project start: 12/2015  
 Location: Germany, Lünen  
 Material: Pre-shredded electronic waste  
 Throughput per hour: max. 7 t/h  
 Usage: Feed and Metering Hopper  
 Machine: BRT HARTNER D 18 with 6,000 mm Feed Hopper



## Bag Opener

Project start: 11/2014  
 Location: Middle East  
 Material: MSW  
 Throughput per hour: 40 t/h  
 Usage: MSW sorting  
 Machine: BRT HARTNER BO 21 (MSW 2-21-28)



## Bale Breaker

Project start: 02/2016  
 Location: Austria, Hörsching  
 Material: Press bales of paper  
 Throughput per hour: up to 10 bales/h  
 Usage: Bale Breaker  
 Machine: BRT HARTNER BB Bale Breaker





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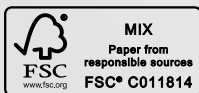
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