



SELECTOR 400 / 800

Contaminant separator for most difficult materials to separate

Screening difficult material streams which tend to wrap around the shafts is a rather unpopular task in the everyday recycling routine. It is this kind of challenge that the Doppstadt SELECTORS 400 and 800 meet with self-confidence. Thanks to their compact, robust design and high throughput capacities, they offer the perfect separation solution even for indefinable material flows. These include industrial waste, garbage, mixed construction waste, waste wood or biowaste. The system separates the material flows almost without jamming or wrapping. The basic chassis of the des SELECTOR 800 can be equipped with spiral shaft decks and with star screen decks.

This is a substantial benefit for various ranges of application. The active screening gaps taking effect in the application of the spiral shaft deck are not subject to jamming thus ensuring a constant high screening quality. The SELECTORS can either be driven completely by the additional hydraulic connection of an upstream shredder (independent of the manufacturer) or directly by an external PowerPack, which need not even stand close to the machine. By this means, exposure to dust and heat can be reduced. The development was focused on easy operation without electronic equipment. Furthermore, the wear-resistant techno-

logy reduces downtimes to a minimum in heavy-duty operation. A perfect machine combination is achieved if the SELECTORS are driven by an upstream shredder (e. g. a Doppstadt DW-series shredder), which can produce a final product quasi inline. In addition, the hook-lift mobility, the compact transport dimensions, short setup times and the integrated return conveyor of the 800 model ensure high mobility. Whenever a flexible separation solution is required combining a high degree of process reliability and manageable operating costs the Doppstadt SELECTORS are the perfect match!

DAS IST DOPPSTADT

Doppstadt, a family-run company based in Velbert (near Düsseldorf), was founded in 1965. Initially a producer of agricultural machines, Doppstadt has become a leading global supplier of solutions and services in all areas of recycling/environmental technology and resource recovery.

'Best Solutions. Smart Recycling.' True to this motto, we combine proven processes technology into individual solutions that are hallmarked by innovative process flows, maximum operational efficiency and cost-effectiveness. In the area of water-based separation and wet recycling systems in particu-

lar, we provide our customers with flexible, tailor-made solutions for all requirements. With sites in Velbert, Wülfrath, Calbe and Wilsdruff, we serve customers in more than 40 countries through our own dealership network and offer a wide range of services to support the unique Doppstadt product portfolio.



DRIVE OPTIONS

The Selector 400/800 can either be driven completely by the additional hydraulic connection of the shredder (independent of the manufacturer) or by an external PowerPack.



SELECTOR 400 / 800



SCREENING DECK MODULES DST/SWS

Depending on the customer's or the materials requirements, the basic **SELECTOR 800** machine can be equipped with various optional spiral shaft deck modules or screening deck modules.



FOLDABLE CONVEYORS

Sleivable or foldable conveyors permit an easy transport thanks to the hook-lift frame.



OVERSIZE DISCHARGE CONVEYOR

After the separation the oversize is returned to the shredding chamber by means of the return conveyor located alongside the machine until the required final product size is achieved.



EASY SETUP

The ball coupling enables the machine to be moved on site easily, e. g. by a wheel loader grab. By means of the adjustable supports the height can quickly be adjusted to different shredder for direct feeding.



EASE OF OPERATION

The machine is controlled from one central point ensuring ease of operation. No electric system, just hydraulic and manual control of all the required functions.



Benefits at a Glance

Full value Doppstadt technology:
As much as necessary – not as possible!

- simple, robust technology
- replaceable screening decks for various requirements
- smart use of the hydraulic drive of the upstream machine

With the Selectors, you'll profit from:

- easy transport,
- simple operation
- and high economic efficiency.



Replaceable Screening Decks Flexible & Economic Solution.

The secret of efficiency, especially of the SELECTOR 800 lies in the wide range of equipment. The system can be equipped with spiral shaft decks (SWS) or star screen decks (DST) on the basic chassis of the SELECTOR 800. Its little brother SELECTOR 400 is completely based on the spiral shaft technology (SWS). Custom-built and material-specific configurations can be realized very quickly.

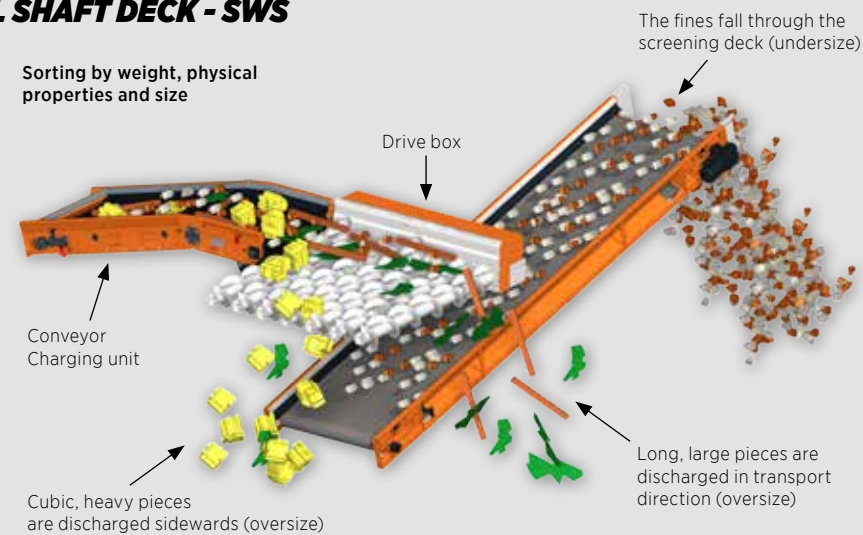
By changing the replaceable screening decks, the separation size can be adjusted individually to the corresponding processes, depending on the application. Both, the SELECTOR 400 and 800 are provided with a total 4 x 2 m screening surface in case of spiral shaft decks (SWS). They are always composed of two standard 2 x 2 m screening deck modules. As much as necessary – not as possible!





This is the result of the simple, robust and versatile design of the screening decks and of the basic machine.

OPERATING PRINCIPLE SPIRAL SHAFT DECK - SWS

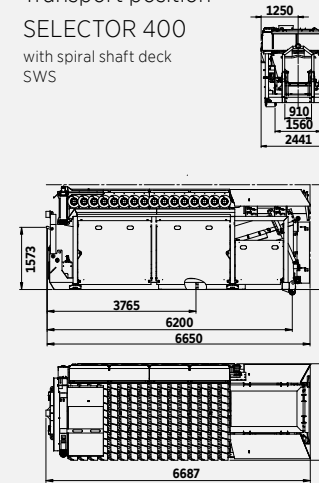
The input material is charged on the spiral shaft deck, e.g. by a conveyor of the upstream machine. Thanks to the roller conveyor effect and the lateral offset effected by the spiral coil, the material mixture is pulled apart in two directions. By means of the individual screening gap, **two fractions** – an oversize and an undersize – are separated. The oversize tends to be separated in heavy, cubic and long, flat pieces.



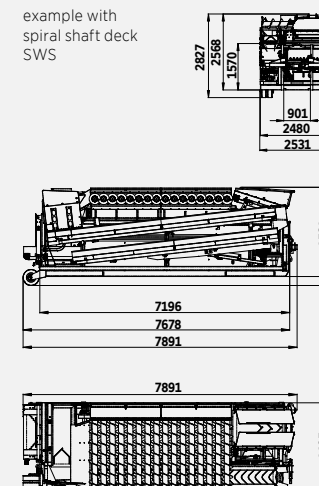
TECHNICAL DATA

	SELECTOR 400	SELECTOR 800
		
	ALL-IN-ONE SOLUTION combined with pre-shredder	ALL-IN-ONE SOLUTION combined with pre-shredder
Total weight	appr. 7000 kg	appr. 10800 kg
Chassis	Hook lift	Hook lift
Drive	Driven by additional hydraulic connection of a pre-shredder or by optional separate hydraulic unit	Driven by additional hydraulic connection of a pre-shredder or by optional separate hydraulic unit
Length	appr. 8700 mm	appr. 16000 mm
Width	appr. 2750 mm	appr. 2750 mm
Height	appr. 4500 mm	appr. 4500 mm
Transport length	6700 mm	7900 mm
Transport width	2550 mm	2550 mm
Transport height	2650 mm	2850 mm
Screening deck length	4000 mm	4000 mm
Screening deck width	2000 mm	2000 mm
Standard equipment	SWS - Spiral shaft deck: • 2 screening deck modules, 2000x2000 mm each • separating size: depending on application • number of shafts: 8 (depending on configuration)	SWS - Spiral shaft deck: • 2 screening deck modules, 2000x2000 mm each • separating size: depending on application • number of shafts: 8 (depending on configuration) or DST - Star screen deck: • 2 screening deck modules, 1400x2700 mm each • separating size: depending on application
SCREENING DECK OPTIONS	Star screen deck - DST 800: Option not available	Star screen deck - DST 800: Option available (interchangeable with SWS deck)
DST 800		Even the previous model HS 800 can be equipped with the replacement deck option by means of a retrofit kit.
SWS		Spiral shaft deck - SWS: Option available Even the previous model HS 800 can be equipped with the replacement deck option by means of a retrofit kit.
Ranges of application	The spiral shaft technology is the optimum separation method for difficult material streams (input materials) such as they accrue in the processing of industrial waste, bulky waste, mixed construction waste, garbage, biowaste, waste wood etc. In the first step of separation, the contaminants can be sorted out by means of the SWS deck and the contaminants or the oversize are discharge directly to the ground.	The spiral shaft technology is the optimum separation method for pre-shredded free-flowing material streams (input materials), which are hard to such as they accrue in the processing of industrial waste, bulky waste, mixed construction waste, garbage, biowaste, waste wood etc. In the first step of separation, the contaminants can be sorted out by means of the SWS deck and then, e.g. after replacing the deck, another fine fraction can be separated by means of the DST star screen deck. The SELECTOR 800 with integrated return conveyor is ideally suited for free-flowing materials from a pre-shredder. If possible, the edge length should not exceed 350 mm.

Transport position
SELECTOR 400
with spiral shaft deck
SWS



Transport position
SELECTOR 800
example with
spiral shaft deck
SWS



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