

**Doppstadt**

# SELECTOR 400/800.2

FLATFLEX LINE



**Best Solution. Smart Recycling.**

[doppstadt.com](https://doppstadt.com)





### **DRIVE OPTIONS**

The Selector 400/800.2 can either be driven completely by the additional hydraulic connection of the shredder (independent of the manufacturer) or by an external PowerPack.

## **SELECTOR 400 / 800.2**



### **OVERSIZED PARTICLE DISCHARGE**

With the Selector 800.2 model, the oversized particles get re-circulated to the shredder by an integrated belt, while with the Selector 400 they simply fall onto the ground.



### **EASY SETUP**

The ball coupling enables the machine to be moved on site easily, e. g. by a wheel loader grapple. Adjustable support legs ensure the ability to quickly adapt to a wide variety of different conditions.



### **EASE OF OPERATION**

The machine is controlled from one central point. Particular importance was attached to easy handling. Eliminating an electrical system has also made maintenance incredibly easy.



### **SCREENING DECK MODULES DST/SWS**

Depending on the customer's or the material's requirements, the basic **SELECTOR 800.2** machine can be equipped with various optional spiral shaft deck modules or star screen deck modules.

### **FOLDABLE CONVEYORS**

Swivelling or folding belts make it easy to transport the Selector 800.2.



### **FINES DISCHARGE CONVEYOR**

Convenient discharge height allows the formation of high piles and convenient removal of materials.



## **Benefits at a Glance**

- Screening surface without risk of jamming or wrapping on spiral shaft deck
- Low wear of spiral shaft decks
- Interchangeable screening decks for a wide variety of requirements
- Ingenious use of hydraulic drive from a shredder
- Easy to maintain
- High efficiency



## **SELECTOR 400 / 800.2**

### **Separator for most difficult materials to screen**

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 SELECTOR 400 and 800.2 meet with self-confidence.

Thanks to their compact, robust design and high production capacities, they offer the perfect separation solution even for difficult material streams. These include industrial waste, garbage, mixed construction waste, green waste, waste wood or biowaste. The system separates the material flows almost without jamming or wrapping. 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 SELECTOR can either be driven completely by the additional hydraulic connection of a 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.

Our development engineers attached great importance on flexibility and ease of use. Different interchangeable screening deck sizes allow optimal adjustment of the separating cut. By foregoing the use of any electronics and by implement-

ing low-wear technology, it was possible to keep downtimes to a minimum even during heavy-duty operation.

A perfect machine combination is achieved if the SELECTOR is driven by a shredder (e. g. from the Doppstadt Slow Speed Shredder Line), which can produce a final product inline. In addition, the hook-lift mobility, the compact transport dimensions, short setup times and the integrated re-circulating belt of the 800.2 model ensure high mobility.

Whenever a flexible separation solution is required combining a high degree of process reliability and manageable operating costs the Doppstadt SELECTOR is the perfect match!

#### **THIS IS DOPPSTADT**

Doppstadt, a family owned 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.

With sites in Velbert, Wülfrath and Calbe, 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.

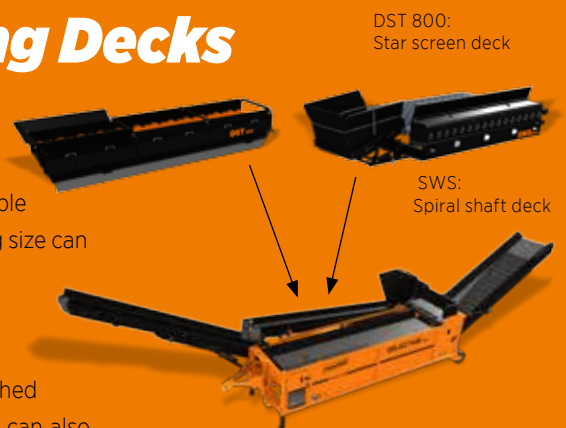


## Interchangeable Screening Decks Flexible & Economical Solution.

The secret of efficiency, especially of the SELECTOR 800.2 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 800.2. 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 interchangeable screening decks, the screening size can be adjusted individually to the corresponding processes, depending on the application. Our spiral shafts are distinguished by a very long service life and can also be provided with additional wear protection for very heavy duty applications. The spiral shaft screening technology ensures a screening process without almost any risk of jamming

or wrapping, thus enabling continuous operation without any disruptions or interruptions. As a result, you get a flexible, efficient and highly economical screening system.

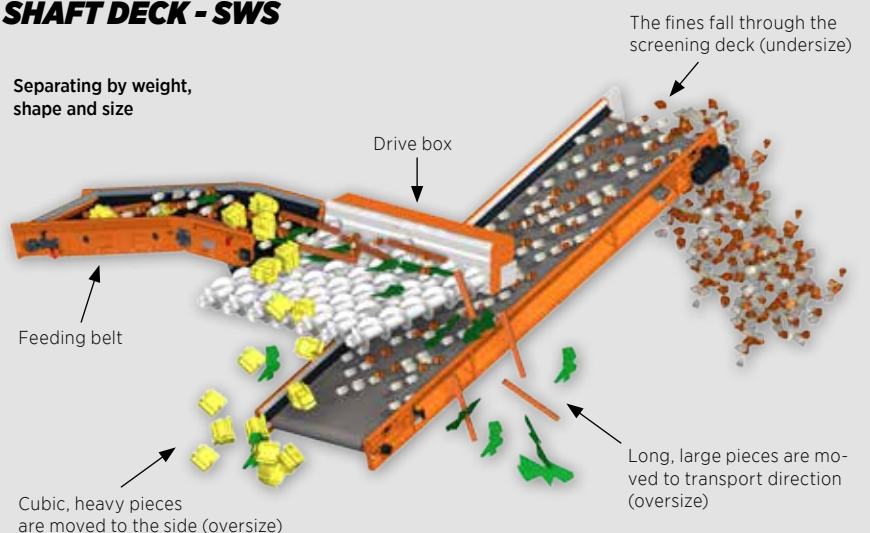


DST 800:  
Star screen deck

SWS:  
Spiral shaft deck

### OPERATING PRINCIPLE SPIRAL SHAFT DECK - SWS

The input material is supplied to the spiral shaft separating deck by an accelerator belt. 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.



Separating by weight,  
shape and size

Feeding belt



Drive box

Cubic, heavy pieces  
are moved to the side (oversize)

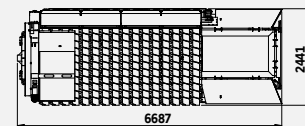
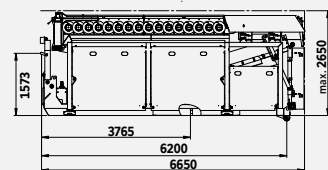
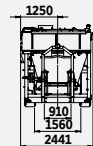
The fines fall through the  
screening deck (undersize)

Long, large pieces are moved  
to transport direction  
(oversize)

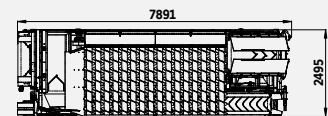
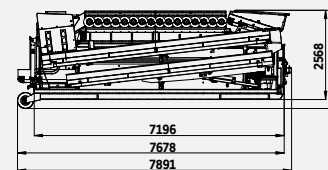
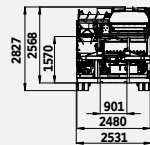
# TECHNICAL DATA

	SELECTOR 400	SELECTOR 800.2
	COMPACT MODULE	VERSATILE MODULE
Total weight	appr. 9200 kg	appr. 9150 kg (DST) or 11850 kg (SWS)
Chassis	Hook lift (country-specific)	Hook lift (DIN)
Drive	Driven by additional hydraulic connection of a pre-shredder (min. 70 l/min. at 300 bar) or by optional separate hydraulic unit	Driven by additional hydraulic connection of a pre-shredder (min. 85 l/min. at 300 bar) or by optional separate hydraulic unit
Length	appr. 8700 mm	appr. 16100 mm
Width	appr. 2500 mm	appr. 3600 mm
Height	appr. 3800 mm	appr. 4500 mm
Transport length	6700 mm	7900 mm
Transport width	2500 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	<b>SWS – Spiral shaft deck:</b> <ul style="list-style-type: none"> <li>• 2 screening deck modules, 2000x2000 mm each</li> <li>• Different shaft sizes available for selection, depending on desired separating size</li> </ul>	<b>SWS – Spiral shaft deck:</b> <ul style="list-style-type: none"> <li>• 2 screening deck modules, 2000x2000 mm each</li> <li>• Different shaft sizes available for selection, depending on desired separating size</li> </ul> or <b>DST – Star screen deck:</b> <ul style="list-style-type: none"> <li>• 2 screening deck modules: 1400x2700 mm each (different speeds possible for front and rear area)</li> <li>• separating size: depending on application</li> </ul>
<b>SCREENING DECK OPTIONS</b>	Not available	Different screening deck modules for additional separating size
<b>DST 800</b> 		Even the previous model <b>HS 800</b> can be equipped with the replacement deck option by means of a retrofit kit.
<b>SWS</b> 	Different screening deck modules for additional separating size	Different screening deck modules for additional separating size  Even the previous model <b>HS 800</b> can be equipped with the replacement deck option by means of a retrofit kit.
Ranges of application	The spiral shaft technology is the optimal separation method for difficult material streams (input materials) such as they occur 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 discharged directly to the ground.	The spiral shaft technology is the optimal separation method for pre-shredded material streams (input materials), which are hard to screen such as they occur 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 re-circulating belt is ideally suited for materials from a pre-shredder. If possible, the material length should not exceed 350 mm.

Transport position  
SELECTOR 400  
with spiral shaft deck  
SWS



Transport position  
SELECTOR 800.2  
example with  
spiral shaft deck  
SWS



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