DOPPSTADT

BUILT TO RUN

SELECTOR

FLATFLEX LINE

YOU CAN HANDLE THE MOST DIFFICULT MATERIAL STREAMS.

Screening difficult material streams that tend to coil is one of the most challenging tasks in day-to-day recycling operations. With the SELECTOR 400 and 800.2 from our Flatflex Line, you have two Doppstadt machines at your disposal that are able to master this challenge efficiently and economically.

Thanks to the rugged design and high throughput, the Selectors are the ideal solution for separating waste wood, biomass, bio-waste, commercial waste, mixed construction & demolition waste and much more. The spiral shaft technology enables a screening process without almost any risk of clogging or wrapping, thus ensuring continuous operation without any disruptions or interruptions. The screening quality remains at a constantly high level, because the active screen gaps cannot become clogged.

SMART SCREENING WITH THE FLATFLEX LINE.

RUGGED MACHINES.
Whether processing waste wood, biomass, bio-waste, commercial waste or mixed construction and demolition waste, Doppstadt's Flatflex Line machines separate reliably.
They are resistant to contaminants, easy-to-use and easily accessible. That minimizes your maintenance expenses and downtimes.

HIGH EFFICIENCY.
Th Selectors operate clogging and winding free. Extremely long service lives coupled with high throughput and low maintenance expenses make them especially economical.

OUTSTANDING FLEXIBILITY.

When developing the machines, we attach great importance to flexibility and ease of use. Different interchangeable screening deck sizes allow for optimal adjustment of the required particle size. By avoiding the use of any electronics, and by implementing low-wear components and an efficient self-cleaning, it is possible to keep downtimes to a minimum even during heavy-duty operation.

The machines impress with their outstanding process reliability and low operating costs. They are powered using the shredder's auxiliary hydraulic connection or by an external PowerPack.

GREAT MOBILITY.

If a SELECTOR is operated using an upstream shredder from the Doppstadt Slow Speed Shredder Line, you have an ideal combination at your disposal for producing a finished product in one operation. The Selector offers maximum mobility thanks to the hook lift, compact dimensions and short set-up times.

BEST-IN-CLASS SPIRAL SHAFT TECHNOLOGY.

- The patented spiral shaft technology separates materials almost without any clogging or wrapping.
- It is more resistant to wear and tear than other screening technologies and thus offers a long service life.
- Different interchangeable screening deck sizes offer optimal adaptation to the required particle size range.
- With the SELECTOR 800.2, a finished grain is generated inline, since the coarse fraction is automatically recirculated.
- The material is ideally opened up and dosed for subsequent processing steps.

THAT IS HOW THE SWS SPIRAL SHAFT SCREENING DECK WORKS.

1 The material is supplied to the spiral shaft separating deck using the accelerator conveyor.

2 The mixed materials are pulled apart in two directions as a result of the roller conveyor effekt and the lateral offset via the spiral coil.

3 The individual screen gap produces two fractions: undersized and oversized grain.

4 The oversized fraction is separated into heavy and cubic as well as long and flat parts.

1 EASY TO OPERATION.

The SELECTOR is operated centrally from one spot and enables a quick start in handling the machine. The absence of any electronics also simplifies operation and maintenance significantly.

2 GREAT MOBILITY.

Hydraulically swivelling conveyors reduce the set-up times for transportation. This makes the machine even more compact and easy to transport with the aid of a hook lift. The ball coupler allows you to quickly move it on site.

3 EFFICIENT MATERIAL RECIRCULATION.

The return of the coarse fraction to an upstream machine allows a finished material to be generated in one step.

4 STABLE FOOTING.

You can use the adjustable support legs to regulate the incline of the SELECTOR 400. That ensures a stable footing and an uniform flow of material even when the terrain is uneven.

5 RELIABLE DRIVE.

The machine is driven either via the auxiliary hydraulic connection of the upstream shredder (non-proprietary) or via an external PowerPack that can be placed outside the dustload. In this way, you benefit from a high level of process reliability.

PATENTED SPIRAL SHAFT TECHNOLOGY.

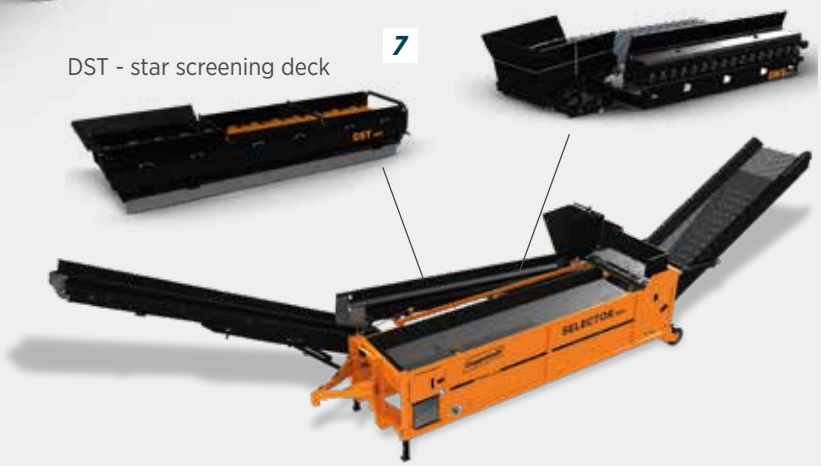
- Compact and rugged design
- Not sensitive to impurities, low-wear and low-maintenance
- High profitability thanks to process reliability and resistance to wear and tear
- Consistent screening quality thanks to constantly free screen gaps
- Practically no blockages or wrapping
- Large selection of screening decks for wide range of requirements

6 ***HIGH STOCKPILES.***
The fine fraction conveyor with its convenient discharge height allows high stockpiles and comfortable transport of materials.

7 ***MANY OPTIONS.***
All in all, you can choose between two screening technologies and seven different decks. This allows you to precisely adapt the machine to your requirements.

SWS - Spiral shaft screening deck

DST - star screening deck



THE FUTURE IS MOBILE-MODULAR.

Doppstadt solutions are distinguished by innovative processes, great efficiency and high economic viability. This applies in particular to Doppstadt mobile-modular processing concept MMAK, in which we combine standard machines such as the METHOR multi-tool and the SELECTOR in a smart and efficient manner.

All systems designed according to this principle enable you to process commercial waste, mixed construction and demolition waste or bio-waste in a legally safe and economical way. In addition, the machines are so flexible that that your operation can respond promptly whenever the framework conditions change.

AN INVESTMENT THAT PAYS OFF.

- Future-proof solutions with Doppstadt's MMAK mobile-modular processing concept
- Flexible use of the machines in different fractions
- Fast response to changing framework conditions thanks to new combinations
- Low investment volume of approx. € 700,000*
- Reduction of disposal costs by approx. 30 – 40 %*

*Example of pretreatment of commercial waste

Experience an MMAK solution for commercial waste in action.

ITS VERSATILITY MAKES IT SO EFFICIENT.

The SELECTOR 400 was developed for particularly difficult materials and works exclusively with spiral shaft technology (SWS). For the economical use of the SELECTOR 800.2, you can choose a wide range of equipment options. A great selection of interchangeable screening decks in the SWS and DST ranges offers the optimal adaptation to the required particle size. Star screens are suitable for precise grain even for small seperation sizes.

Our spiral shafts are distinguished by a very long service life and enable continuous operation without any disruptions or interruptions.

YOUR OPTIONS FOR THE SELECTOR.

SELECTOR 400 WITH WINDSIFTERS.

Screening and additionally separating a light fraction in one working step. For this purpose, the material is optimally harmonised and metered on the shafts.

HYDRAPACK 40 OR 90 HYDRAULIC UNITS.

Power unit for hydraulic drive of the SELECTOR.

INVENTHOR 6, SELECTOR 800.2 RUGGED COMBINATION HIGH THROUGHPUTS

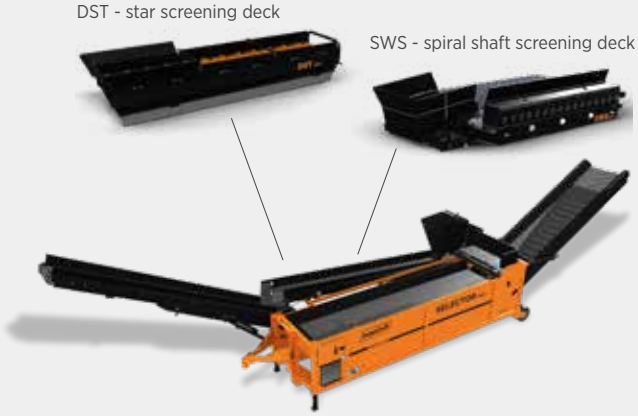
- Return of oversized particles to the shredder for a finished end product in one step
- in waste wood approx. 40 m. ton/h with a grain size of 0-120 mm
- High product quality with low proportion of fines
- Drive via the auxiliary hydraulics of the INVENTHOR 6
- Separation of oversized particles outside of the shredding area allows to discharge impurities and thus keeps wear and tear to a minimum

INTERCHANGEABLE SCREENING DECK MODULES FOR THE SELECTOR 800.2

You can optionally equip the Selector 800.2 with spiral shaft or star screening technology.

DST - star screening deck

SWS - spiral shaft screening deck



ATTACHMENT METHOR CARRIER

Our multi-tool among shredders can be supplemented directly with a spiral shaft screening deck in the carrier variation and combined to form a small processing system.

YOUR PROCESSES WILL BE EVEN MORE PROFITABLE.

You can rely on your robust Doppstadt machines every day of operation in the field. With their high througput and great mobility, you can make your processes efficient and profitable. Good accessibility ensures quick maintenance. If you are not able to solve a problem on your own, Doppstadt Service will be on site in no time at all.

"The spiral shaft technology is the choice when it comes to processing complicated material streams. Thanks to its self-clean function and wrap-free processing, it is far superior to other technologies in terms of process reliability and efficiency."

(Moritz Müller, Product manager, Doppstadt)

METHOR
Multipurpose Recycling System
Doppstadt

SELECTOR 400
Doppstadt

SMART SCREENING / FLATFLEX LINE

SELECTOR 400
Accurate and fast spiral shaft separation even with the most difficult material streams.

SELECTOR 800.2
The profitable solution with oversize recirculation.

	SELECTOR 400	SELECTOR 800.2
DIMENSIONS		
Overall weight	approx. 9,200 kg	approx. 9,150 kg (DST) or 11,850 kg (SWS)
Chassis	Hook lift	Hook lift
Length	approx. 8,700 mm	approx. 16,100 mm
Width	approx. 2,500 mm	approx. 3,600 mm
Height	approx. 3,800 mm	approx. 4,500 mm
TRANSPORT DIMENSIONS		
Length	6,700 mm	7,900 mm
Width	2,500 mm	2,550 mm
Height	2,650 mm	2,850 mm
DRIVE		
	Drive via auxiliary hydraulic connection of an shredder (min. 70 L/min. at 300 bar) or optionally via a separate hydraulic unit	Drive via auxiliary hydraulic connection of an shredder (min. 85 L/min. at 300 bar) or optionally via a separate hydraulic unit
SCREENING DECK DIMENSIONS		
Length	4,000 mm	4,000 mm
Width	2,000 mm	2,000 mm
EQUIPMENT CONFIGURATION		
Standard equipment	**SWS - Spiral shaft screening deck:** • 2 screening deck modules: each 2,000 x 2,000 mm • Diverse shaft sizes available for selection, depending on desired separating size	**SWS - Spiral shaft screening deck:** • 2 screening deck modules, each: 2,000 x 2,000 mm • Diverse shaft sizes available for selection, depending on desired separating size or **DST - Star screening deck:** • 2 screening deck modules, each: 1,400 x 2,700 mm (different speeds possible for front and rear area) • Separating cut: application-related
SCREENING DECK OPTIONS		
DST 800	Not available	Diverse screening deck modules for additional separating sizes Even the previous model HS 800 can be equipped with the replacement deck option thanks to a retrofit kit!
SWS	Large selection of screening decks for additional separation sizes	Large selection of screening decks for additional separation sizes
Areas of application	The spiral shaft technology is the optimum separation process for difficult-to-screen material streams (input materials) such as they occur during processing of commercial waste, oversize bulky waste, construction waste, residential /bio-waste, waste wood, etc. During the first step of separation, contaminants are removed using the SWS deck and the contaminants or oversized particles are then discharged directly to the ground.	The spiral shaft technology is the optimum separation process for preshredded, free-flowing and difficult-to-screen material streams (input materials) such as they occur during processing of commercial waste, oversize bulky waste, construction waste, residential /bio-waste, waste wood, etc. The star screening technology is used to screen particularly precise and fine sizes. The SELECTOR 800.2 with integrated return line is especially well suited for free-flowing materials coming from an upstream shredder with an edge length of preferably less than 350 mm.

BEST SOLUTION. SMART RECYCLING.

Our innovative solutions have made us a leading supplier and manufacturer of processing technology. Customers in the waste disposal and recycling industry all over the world trust our expertise and benefit from our qualified service every day.

We are always there – whenever you need us. We can train your team at the Doppstadt Academy (online and offline) so that you can fully exploit the performance potential of the machines and make your operations even more productive. Added to this are worldwide security of supply, fast on-site repair service and all-round carefree packages within service and maintenance contracts.

Because “a machine is only as good as the service behind it.” (Werner Doppstadt)

MEMBER OF RBG Recycling Beyond Generations