

# OPTIMA

eco<sup>leaf</sup>drain fast<sup>leaf</sup>drain green<sup>leaf</sup>drain



Slotted screen baskets & press screws  
for all common separator types

 **STEINHAUS**

## STEINHAUS - Always close to customers

Customer feedback - both positive and negative - is extremely important to us. After all, we can only develop and improve our products by listening to the experiences of those who use them on a daily basis. By listening carefully to our customers, we can even turn complaints into satisfied customers. A good example of this occurred in the OPTIMA welded wedge wire screens:

### The EcoDrain screen basket

In 2019, employees of a plant operator visited our booth at Energy Decentral in Hanover and were extremely dissatisfied with the low running performance of our slotted screen cylinders for press screw separators.

The customer, still quite new to STEINHAUS at this time, operates manure separation with a mobile system in the „economic bedding“ sector. The aim here is to achieve the lowest possible residual moisture, as the separated solids from the liquid manure can be immediately reused as economical bedding material in animal husbandry. However, this means

that such a system is not only operated up to the permitted load, but also be-

yond, which in turn can lead to breakage of the OPTIMA screen baskets.

The special feature of our separator screen basket design is the seamless structure and the one-piece cross bar that spirals around the outside. But does this spiral perhaps exert too much pressure on the cylinder's gap profiles under unusually high loads due to the resulting torsion? While still at the trade fair, our sales engineers worked out a special solution to the problem in discussions with the customer.

Once the idea had been implemented by the production department, the new screen baskets were made available to the customer free of charge, who in turn provided us with the test results. An ideal, as they say, „win-win situation“ for business partners.

Conclusion: The service life has been effectively increased, breakages are a thing of the past and, most importantly, we have gained another extremely satisfied customer.

In addition, the improvements incorporated into the product were adapted and also led to success in other demanding applications.

This is our success story - and the solution to a problem developed into a new standard: the „ecoDrain strainer basket“, the inexpensive alternative to the original screen basket.



ecoDrain



# OPTIMA Variants

## The three screen basket - variants

STEINHAUS screen baskets are available in the ecoDrain, fastDrain and greenDrain versions. Separation ensures efficient separation of the liquid and solid components of slurry or biomass. Our rotation-optimized screen baskets separate dry from wet safely, quickly and reliably.



ecoDrain is the name of our high-quality standard screen cylinder.



The fastDrain screen cylinder is ideal for demanding applications with a high dry matter content.



Are you looking for economical bedding?  
Stable and stackable?  
Then we recommend our greenDrain line for the highest possible TS content.

## Product features

- Cylindrical OPTIMA screen baskets for press screw separators
- single or multi-part
- in all technically possible sizes and designs

Thanks to our computer-aided production, we are also able to tailor the right screen cylinder for special applications or even for extreme loads, depending on customer requirements.



## OPTIMA Accessories

### G-Rails, T-Rails, press screws

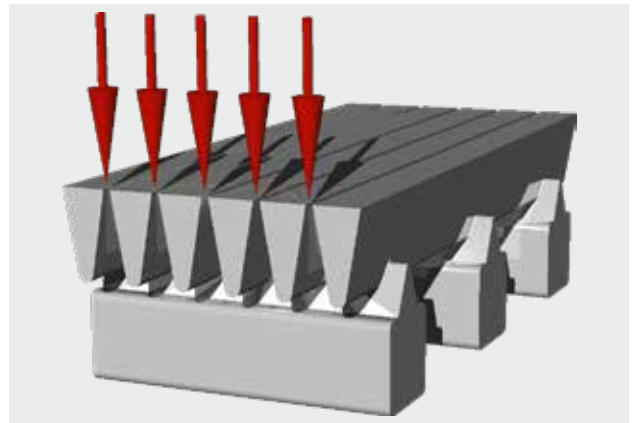
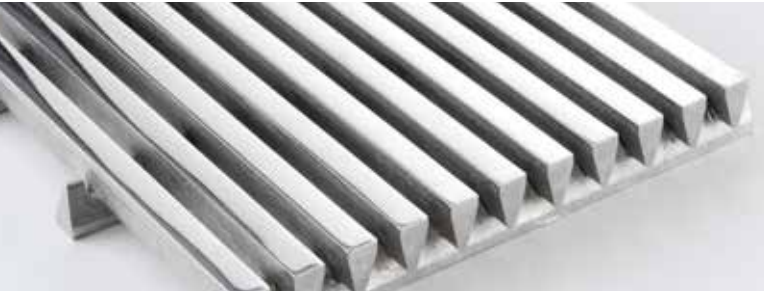
We offer the following accessories for our sieve baskets

- newly manufactured press screws
  - refurbished press screws
- as well as
- plastic G-rails
  - plastic T-Rails



## Design follows function




We produce slotted screen baskets for all common separator types at our production site in Germany in the best industrial quality. They are robust and durable thanks to the use of high-quality stainless steel.






Our screen baskets consist of triangular, sharp-edged profile wires that are seamlessly enclosed by a spiral. These screen baskets are manufactured in the axial gap version in optimized OEM quality. In this version, the gap-forming profiles run parallel to the longitudinal axis of the separator, ideal for your application.



## STEINHAUS Stock program

Screen cylinder with length 260 mm / Ø 260 mm		Slot width			
		0,50 mm	0,75 mm	1,00 mm	1,20 mm
	ecoDrain HD 260	x	x	x	x
	fastDrain HDx 260	x	x	x	x
	greenDrain GD 260	x	x	x	x

Screen cylinder with length 520 mm / Ø 260 mm		Slot width			
		0,50 mm	0,75 mm	1,00 mm	1,20 mm
	ecoDrain SD 520 ecoDrain HD 520	x	x	x	x
	fastDrain SDx 520 fastDrain HDx 520	x	x	x	x
	greenDrain GD 520	x	x	x	x

