

SplitScreen

Quick and simple maintenance reduces costs



Efficient dewatering

In the screw press, the suspension is dewatered to a stock consistency of around 30 %. In the process, the pulp is pressed out via the constricting volumes between press screw and screen baskets, and the filtrate is discharged via the screen baskets of the screen element. Many screw presses are fitted with a screen element that does not allow access to the individual components of the screw press. As a result, long maintenance times and high costs will incur. The newly developed SplitScreen reduces your maintenance costs thanks to its unique removable design.

Quick maintenance thanks to removable design

Voith's SplitScreen screen element consists of a welded supporting structure and an internal screen plate. This removable design allows separate replacement of the bolted screen plate without having to replace the entire screen element. As a consequence, high investment costs can be saved.

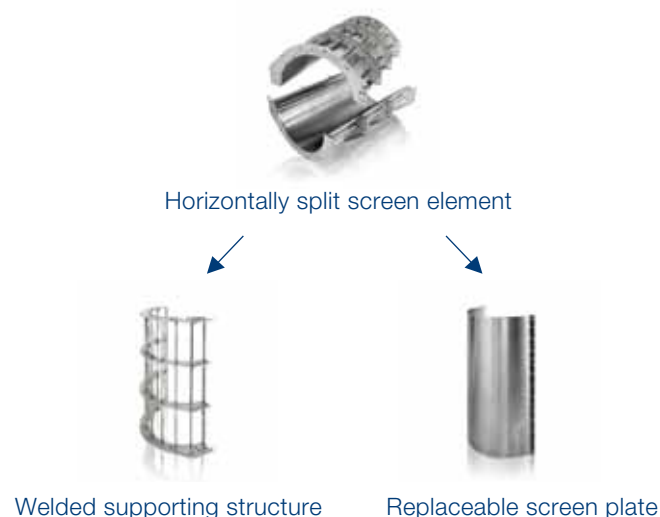
The new design also allows the easy and quick monitoring for wear on screen plates, wearless segments and the press screw during scheduled shutdowns of the screw press. This in turn cuts maintenance intervals and reduces costs.

Screen element split over the entire length

Most conventional screen elements do not offer any access to the press screw in the low-pressure area, because the screen element is only split in the high-pressure area. The newly developed Voith SplitScreen is a screen element that is split over its entire length, so it allows good access to the entire screw press.

In addition, SplitScreen is the only screen element available on the market in which only the screen plate has to be replaced in the low-pressure area. The large, open screen surface of the screen element also helps to increase the dewatering capacity of the screw press.

Technical structure SplitScreen



Area of application

The conventional screen elements of Voith's Thune screw press and also from non-Voith machines can be converted with SplitScreen. SplitScreen is also part of InfiltraScrewpress from Voith's new BlueLine product family.

Your benefits SplitScreen

- + Simple and fast inspection of the screen plate
- + Easy access to the wear parts
- + High level of availability due to low maintenance demand
- + Long service life
- + Easy to assemble and operate

Use of SplitScreen in Thune Screwpress

Technical data	SP70	SP100	SP150
Length (mm)	1200	1500	2000
Diameter (mm)	800	1200	1760
Weight (kg)	335	780	1260

Use of SplitScreen in InfiltraScrewpress

Technical data	ISP60	ISP85	ISP120
Length (mm)	1100	1500	2000
Diameter (mm)	600	850	1200
Weight (kg)	290	380	950



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