

# SORT FLUID

Dry sink-float separation  
with integrated dosing hopper

BLU~~E~~LINE<sup>®</sup>  
SORT FLUID

## Dry sink-float separation

- ▷ Density cut-off at around 4.5 g/cm<sup>3</sup>
- ▷ Light and heavy material discharge ramps
- ▷ Exchangeable sieve inserts in the discharge ramps
- ▷ Flap rollers to immerse floating heavy particles under the bed material surface
- ▷ Circulation conveying of the bed material

## All conveying technology on board

- ▷ External belt conveyors available in two different lengths that can be used universally within the BLUELINE system
- ▷ High-efficiency drum motors – low-maintenance, durable and reliable!
- ▷ Suction hoods to reduce dust emissions available as an option

## Corrugated edge belt with cleats

- ▷ Secure bulk material transport at 35° belt inclination

## PVC Curtain with suction port

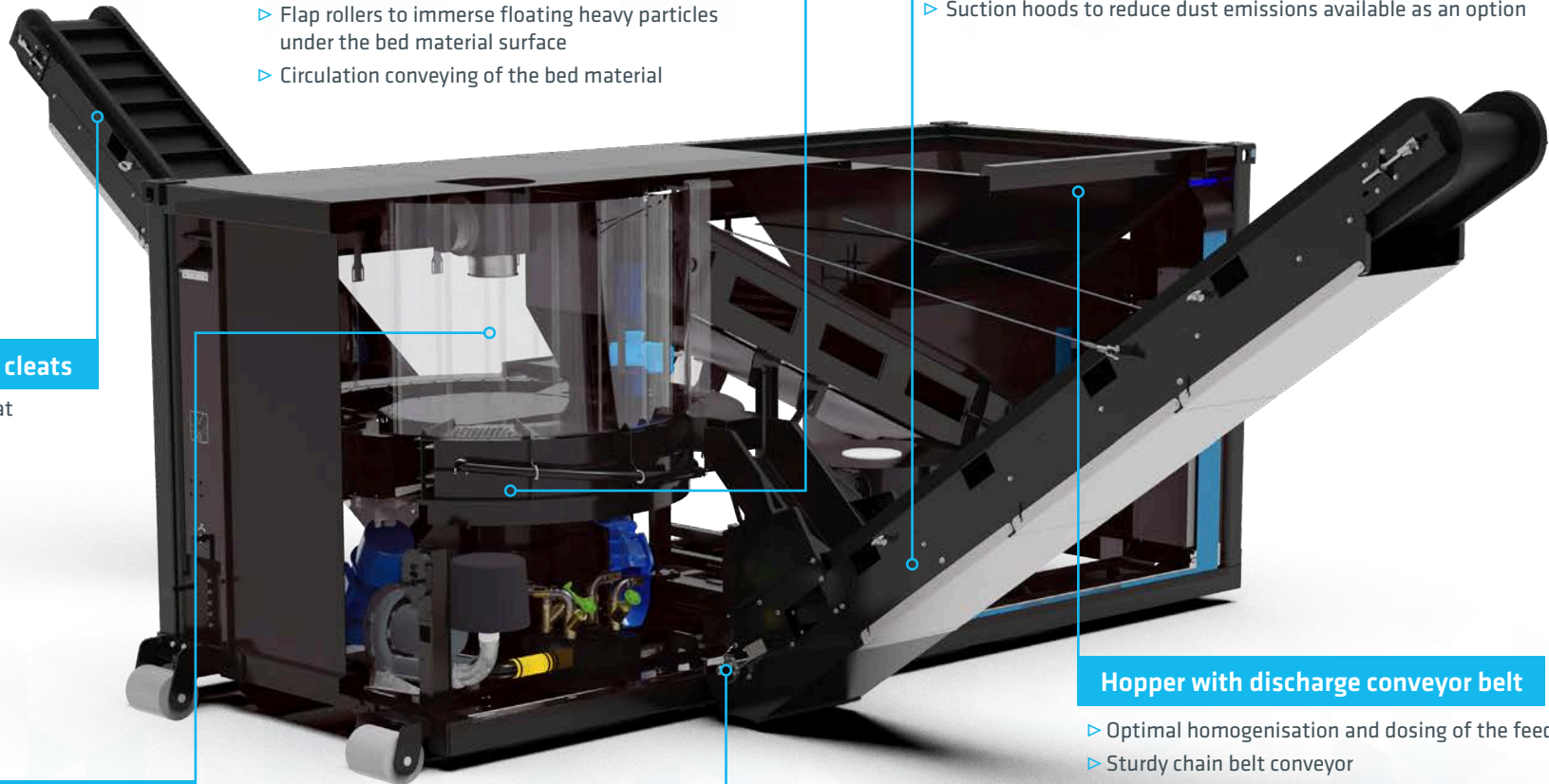
- ▷ Reduction of dust emissions by means of external extraction

## Hopper with discharge conveyor belt

- ▷ Optimal homogenisation and dosing of the feed material
- ▷ Sturdy chain belt conveyor

## Quick-coupling system

- ▷ Tool-free installation of the external belt conveyors thanks to folding arms with snap locking



## SORT FLUID

A world first - SORT FLUID - an innovative dry sink-float sorting with integrated hopper feeder. SORT FLUID represents a revolutionary process by replacing traditional wet sink-float sorting while eliminating the use of liquids. This dry sorting process offers numerous advantages, including a higher density cut ( $4.5 \text{ g/cm}^3$ ), high levels of purity and, above all, dry process control.

Through an innovative combination of air flow, the special bed material and gravity, the metals are sorted reliably and precisely according to their average particle density. This enables the separation of light and heavy metals with an exceptionally high purity of up to  $> 99\%$ .

