Maximum efficiency at high stock consistencies
HiClean HCL5-I with EcoMizer

Following coarse screening, the suspension still contains specifically heavy contaminants like sand, glass splinters and paper clips. The heavyweight cleaner HiClean HCL5-I efficiently removes these down to a stock consistency of 3% to prevent severe wear to downstream machines. In addition, the minimization of contaminants in the raw material leads to improved paper quality. The combination of high stock consistency and reduced volume flow also reduces energy consumption and consequently, operating costs.

Customer benefits
+ Improved paper quality thanks to maximum separation efficiency
+ High inlet stock consistencies allow low specific energy use, fewer machine units and therefore lower costs
+ Minimum fiber loss due to high concentration of contaminants in the rejects
+ The EcoMizer rejects dilution function maximizes operational reliability even at the highest stock densities
Flow-optimized headpiece allows higher stock densities
The optimized HiClean HLC5-I headpiece achieves high vortex rotation at a low pressure loss. As a result, any fiber flakes are broken up and contaminants released, which means that they can be separated easily and effectively.

Proven EcoMizer principle
With the tried-and-tested EcoMizer principle, fibers in the rejects discharge are washed back to the accepts inside the cleaner. This counteracts a local thickening, improving operational reliability in the case of high stock densities and at the same time reducing fiber loss. Thanks to the low fiber content in the rejects, fewer cleaner stages are necessary, as fewer fibers need to be transferred to the next stage.

Optional LightPlus upgrade to CombiCleaner HCL5-C
If required, an outlet for light contaminants can be added to the HiClean HCL5-I cleaner to separate light contaminants. Any specifically light contaminants in the suspension like air, polystyrene and adhesives can be significantly reduced with the LightPlus upgrade. This further improves paper quality with minimal investment.