

CASE STUDY

Bale Wire Screening

Radiscreen-C™ coarse screen for efficient protection of process equipment

Challenge

Mills processing virgin pulp face a risk of damaging and prematurely wearing sensitive equipment, such as refiner plates, cleaners, fine screening baskets, and rotors when unrecovered bale wire and other coarse contaminants end up in the process equipment.

Solution

In mills manufacturing products with high demands on pulp quality, a smooth production process without interruptions is essential.

Efficient removal of coarse contaminants reduces wear and tear on process equipment. Due to its compact footprint and highly energy-efficient, trouble-free operation, Radiscreen-C coarse screen has become an obvious choice for this application.

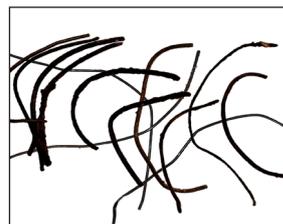
The Radiscreen-C coarse screen serves as an efficient high consistency screen for removal of bale wire and protection of refiners, deflakers, and other downstream equipment in virgin pulp stock preparation systems. This also provides the basis for improved LC refining conditions.

Results

Over the last years, several mills in Europe have successfully installed Radiscreen-C coarse screens for protection screening ahead of refiners in stock preparation systems. The screens operate at consistencies up to 5%.

Radiscreen-C coarse screen has been designed to ensure the smallest footprint possible. This enables very compact and space-saving installations and minimises the total investment costs considerably.

The conical screen disc design ensures excellent runnability and less wear and tear on the screening barrier and rotor vanes.



Efficient removal of bale wire eliminates the risk of damaging and prematurely wearing expensive refiner plates.

The Radiscreen-C coarse screen is a highly energy-efficient protection screen for efficient removal of heavy weight contaminants in pulp, stock preparation, and paper machine approach flow systems. It protects cleaning and screening systems, refiners, deflakers, and other downstream equipment. It is highly recommended for all mills processing virgin pulp.