

# Slotted Drum Screen

The next generation  
of reject handling

*Ideal for removing rejects  
anywhere a low attrition  
tailing screen is needed*



# Slotted Drum Screen

## Application

The slotted drum screen is a non-vibrating, low attrition tailing screen that removes debris normally found in the coarse screening loop of most fiber recycling mills.

Ideally suited for processing rejects from a Kadant Black Clawson Float Purger™ stock cleaning system or anywhere a non-pressurized tailing screen device is used.

## Operation

The slotted drum screen consists of a slowly rotating slotted wire cylinder with a baffle screw. The pulp slurry, with concentrated rejects, enters the center inlet of the drum screen. The loose fiber is washed through the cylinder and the accepts can go back into the system.

## Results

The concentrated rejects continue to dewater as they move down the cylinder. Due to the non-pressurized operation and screening with small slots versus larger holes, styrofoam removal efficiency is extremely high.



## Benefits



**Available in multiple size ranges** for different production rates



**Low horsepower requirements** save on energy consumption



**Extremely efficient** for the removal of styrofoam



**Gentle on contaminants,** rejecting more trash and debris with minimal containment breakdown



**Cost saving, low maintenance design** with minimal moving and vibrating parts requires fewer spares and increases uptime

*The slotted drum screen rejects more contaminants with less energy than conventional solutions.*

# Low horsepower requirements maximize efficiency and keep cost down

**Stainless steel enclosure**  
minimizes water emissions  
during operation

**Easy access**  
inspection  
ports

**Oscillating shower  
system** efficiently  
cleans screen surface

**Internal screw  
and paddle system**  
conveys contaminants  
with minimal breakdown

**Stainless steel  
construction** of  
all wetted parts



*The slotted drum screen  
is excellent for the  
removal of styrofoam,  
one of the most abrasive  
contaminants found in  
recycling furnish.*

Our slotted drum screen is the perfect choice for processing rejects from a Float Purger stock cleaning system

## Foundations

Fiber Product Line



### A Trusted Partner

Stock preparation is in our DNA. We know this industry like few others – your equipment, your processes, and your challenges. We have the know-how and tools to elevate the efficiency of your production. Our team can help monitor, maintain, and upgrade your line, providing process improvements, replacement parts, rebuilds, and comprehensive maintenance plans.

We understand what it takes to remain competitive, protect your investment, and extend the life of your stock preparation assets. To that goal, we offer:

- Field services, inspections, and audits
- Rebuilds and retrofits
- Upgrades and modernizations
- Maintenance and service contracts
- Process control solutions
- Replacement upgrades and spare parts

**Certified Parts and Service 24 Hour Hotline for North America: 1-800-448-5422**

### Expertise to Empower You

Our team is there for you at every step. We help you select the right options to best meet your specific needs.

We have generations of experience, a history of innovation, and a proven record of success across the globe. Our skilled engineers, process professionals, application experts, manufacturing, and field service teams have thousands of successful installations to their credit.

### Get You Running, Keep You Running

Our technical service and support teams are ready. We provide superior guidance in the planning, design, engineering, installation, and start-up of your systems. Our products and expertise cover the full range of stock preparation and pulping, including:

- Pulping
- Screening
- Cleaning
- Thickening
- Deinking
- Detrashing
- Refining and dispersing
- Reject handling
- Recovery systems
- Heat transfer
- Pulp washing
- Recausticizing

For patent information about this and other Kadant products visit <https://kadant.com/en/patents>

# KADANT

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