Cantilevered Drum Screen

Non-vibrating, low attrition tailing screen removes debris from the pulper loop

Dependable dewatering of pulper rejects
**Cantilevered Drum Screen**

**A New Spin on Reliability**

Run smooth and steady with this low-horsepower, low-attrition tailing screen from Kadant. Employing a non-vibrating process that's easy on rejects, this rugged unit efficiently removes coarse debris and maximizes water recovery from your reject loop.

With an eye on your bottom line, Kadant’s newest drum screen line feature a simple, adjustable cantilevered design that optimizes rejects residence time - increasing fiber gain and water recovery - in either batch or continuous operation. The maintenance-free internal screw and paddle system conveys contaminants with minimal breakdown for maximum efficiency.

Manufactured to the highest standards in three sizes, these dependable detrashing drums can be fitted with a variety of screen perforation options to suit any number of production rates and stock qualities. Driven by a forged 4340 steel shaft, this industry standard is built tough with minimal moving parts and a simple eloquent design.

**Forged 4340 steel drive shaft** handles the toughest loads over the long haul

**Rigorously tested and proven strong**, this unit’s rigid construction is built for low maintenance and high dependability

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**Benefits**

- **Heavy-duty construction**
  - Reliable service components with extended life operating cycles
  - Forged and stainless steel construction

- **Improved performance**
  - Removes coarse debris while recovering valuable fiber and precious water

- **Low maintenance**
  - Simplified design means minimum maintenance, parts, and labor

- **Maximized flow**
  - Stable peak output of both dewatered coarse rejects and accepted filtrate

- **Cost effective**
  - Low horsepower demands equals low cost operation

- **Strategic asset**
  - Perfectly suited for use with the Float Purger™ and the Hydraflow Continuous Detrashing System
  - Excellent for both batch and continuous operation

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**No plugging. No stringing. Simply dependable.**
Built for the long run

- **Low-horsepower requirements**: run smooth and steady with an eye on the bottom line
- **Easy access ports**: convenient access for maintenance and operation
- **Stainless steel construction** of all wetted parts ensures durability and resistance to corrosion
- **Stainless steel enclosure** minimizes water emissions during operation
- **Minimal moving parts**: reduces wear and tear, increasing longevity
- **Simple adjustable supports**: provides flexibility and stability

**Diagram Description**

- **Oscillating shower system**: efficiently cleans screen surface
- **Additional internal shower**: hydrates stock as needed
- **Internal screw and paddle system**: conveys contaminants with minimal breakdown
- **Wet coarse rejects** and unrecovered fiber enter through open end
- **Drive assembly segregation**: from wet stock chamber eliminates leaking and reduces wear
- **Recovered water and fiber**: pass through the screen and are recycled back into the process
- **Dewatered and fiber-free rejects**: are discharged by gravity

Drive assembly segregation from wet stock chamber eliminates leaking and reduces wear.

Revealed or Recovered water and fiber pass through the screen and are recycled back into the process.
A Trusted Partner

Stock preparation is in our blood. 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

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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, installations, 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