Hydraflow™ Continuous Detrashing System

Durable, Consistent, Optimum performance.

New Generation Detrashing System
Hydraflow™ Continuous Detrasher

**Applications**

- The Hydraflow™ Continuous Detrasher is a durable detrashing system producing constant output of low density, light-weight rejects.
- Flexible location install allows the system to work where “traditional” detrashing solutions will not typically fit.

**Key Features & Benefits**

- **Able to handle high trash loads** - Custom housing design is structured to purge large amounts of trash and debris.
- **Increased capacity** - Unique detrashing yields more high-quality pulp and rejects debris with minimal contaminant breakdown.
- **Low maintenance** - Minimal valves means minimum maintenance, parts, and labor resulting in maximum uptime.
- **Improved system stability** - Constant and continuous output of both reject material and defibered accept pulp.

**Hydraflow™ Continuous Detrasher:**

- Maximum up time / minimum downtime for cleanout and maintenance
- Removes plastic contaminants in large pieces, with little degradation
- Removes large volume of contaminants and lightweight plastics and minimizes fiber loss in rejects
- Protection against tramp metal damage and wear
- Increased pulper throughput
- No intermittent washing and flushing of the low density rejects increases stability and consistency in pulper accepts
- Simple operation; minimum controls required
- Eases burden of downstream equipment by removing contaminants directly from the pulper in their largest form
- Can be retrofitted to most existing waste paper pulping systems
- Acceptable for any plant layout; unit can be installed in many locations

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**Hydraflow™ (Trash) Pump**

The Hydraflow™ pump is an integral part of the System

- High pressure output from a recessed impeller
- Small footprint for installation in tight locations
- Swing-open door for ready access to vane and wear rings
The Kadant Black Clawson Hydraflow™ Detrashing System consists of a special heavy-duty detrasher, with a proprietary recessed impeller feed trash pump and a washing drum screen to rinse and drain the low density rejects.

This system runs alongside a conventional continuous pulper, similar to current technology, but it does so without using intermittent washing and flushing of the low density rejects.

The result is reduced maintenance and increased system stability. The accepted pulp that passes through the continuous detrasher bedplate moves forward in the system thereby increasing detrasher residence time and production from the system.
The Concept

Hydraflow™ Continuous Detrashing System Concept

The Kadant Black Clawson Hydraflow™ Detrashing System is designed to remove plastics, styrofoam and other lightweight contaminants as well as heavy debris, directly from conventional waste paper pulpers. The contaminants are removed from the pulper before they pass through the holes of the extraction bedplate. With constantly increasing amounts of plastic and other types of contaminants in waste paper furnish, the Hydraflow™ Detrashing System prevents contaminant build up in the pulper that results in loss of production, wasted power, excessive downtime, increased wear, and lower accept pulp quality. The Hydraflow™ Detrashing System is a proven low-attrition means of maintaining optimum pulper performance.

Continuous reject flow quality. Minimal contaminant breakdown.

Hydraflow™ Continuous Detrashing System

Recycled Fiber • Chemical Pulping • Stock Preparation

About Kadant

For more than a century, Kadant subsidiaries have been delivering smart and efficient solutions to process industries. As a global leader in fiber processing, fluid handling, water management, and doctoring systems, we design and manufacture products used in industries ranging from paper to plastics and textiles to tires.

At Kadant, we are proud to offer innovative products and technologies that help reduce energy consumption, improve water management, and enhance efficiencies for long-term sustainability. Kadant brand products and services are sold to industries worldwide through our subsidiaries located in more than 16 countries. Our approach is simple: know our customers, understand their process, and use our specialized expertise to deliver the right solutions.

Specifications and information subject to change without notice.