

XCEL™ 150 Fine Forward Cleaner

High efficiency sand
and grit removal system

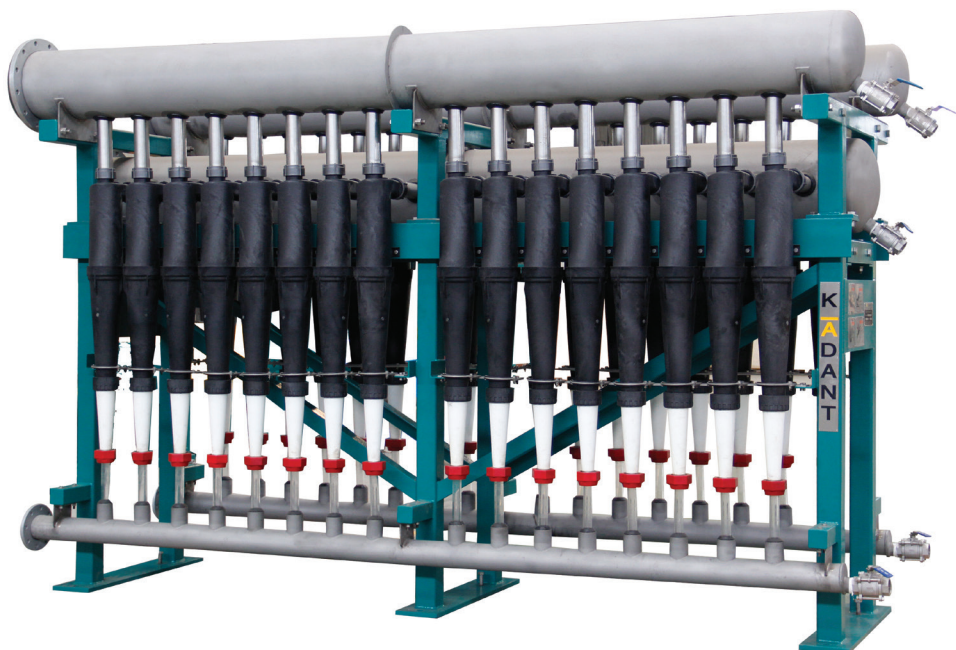
*XCEL 150 cleaners with
individual isolation valves*



XCEL™ 150

Fine Forward Cleaner

The optimized forward cleaner with long-lasting ceramic in all stages



Maximized Cleaning, Minimized Fiber Loss

The XCEL 150 cleaner separates valuable fiber from debris. Paper slurry consisting of water, fiber, and debris enters the top of the cleaner. The slurry accelerates and spirals downward along the inner wall, causing the entire contents of the cleaner to spin. Centrifugal force causes water and heavy debris such as grit, glass, sand, pins, staples, gravel, dirt, metal, abrasives, and other small heavy objects to move to the outer wall and spiral to the bottom of the unit.

Specifications

- To reduce the number of stages, individual cleaner fiber recovery is used
- Banks greater than 14 cleaners have a dual inlet header
- Ceramic lower cones are standard all bank sizes



XCEL 150 cleaner banks applied with X-Clone reverse cleaners

Benefits



Efficiently removes granular debris

Rejects more fine debris in individual isolation with minimal fiber loss



Extended operating life

Injection head moldings have glass filled nylon, corrosion and wear resistant parts



Customizable

Easy-access banks are configured to meet the system demands of fine cleaning



Easy debris removal

Clear reject sight glass allows for clear viewing of debris removal



Additional process options can be easily added to any cleaner bank configuration

Process options for the Kadant XCEL 150 cleaner:



Stock Savrs

The ceramic Stock Savr option increases system yield. A final reject dilution wash ensures premium pulp stock.

Isolation Valves

Stainless steel valves are used to isolate individual cleaners. These robust valves allow for each cleaner to be easily bypassed so it can be removed or replaced while the system operates.

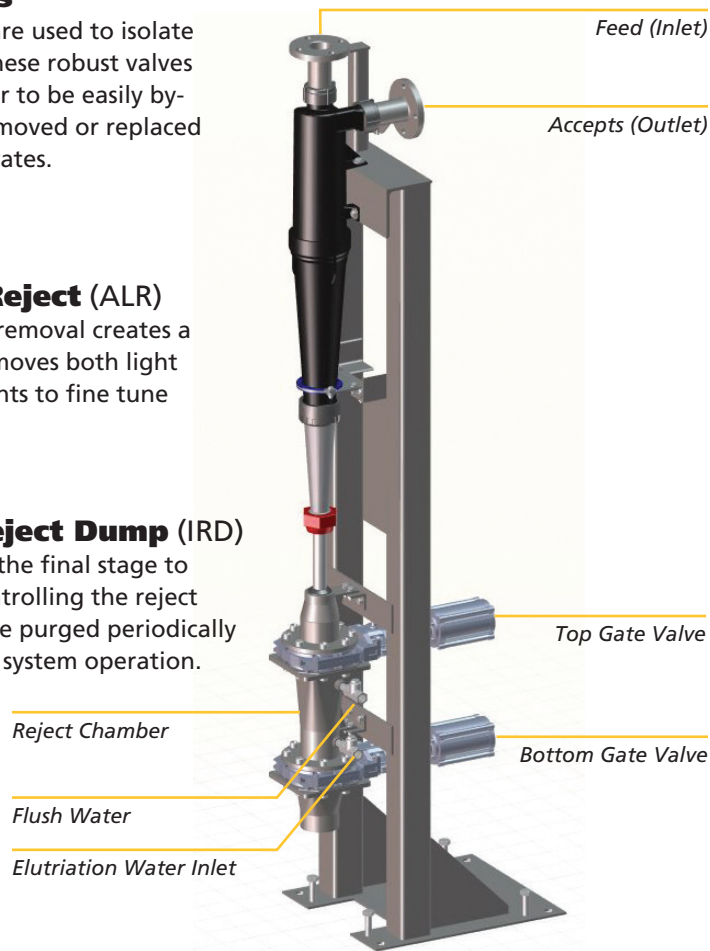


Air and Light Reject (ALR)

This continuous light removal creates a dual function that removes both light and heavy contaminants to fine tune pulp cleanliness.

Intermittent Reject Dump (IRD)

This option is used in the final stage to maximize yield by controlling the reject rate. Contaminants are purged periodically without disruption of system operation.



Parts of the Intermittent Reject Dump in place on the XCEL 150

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.

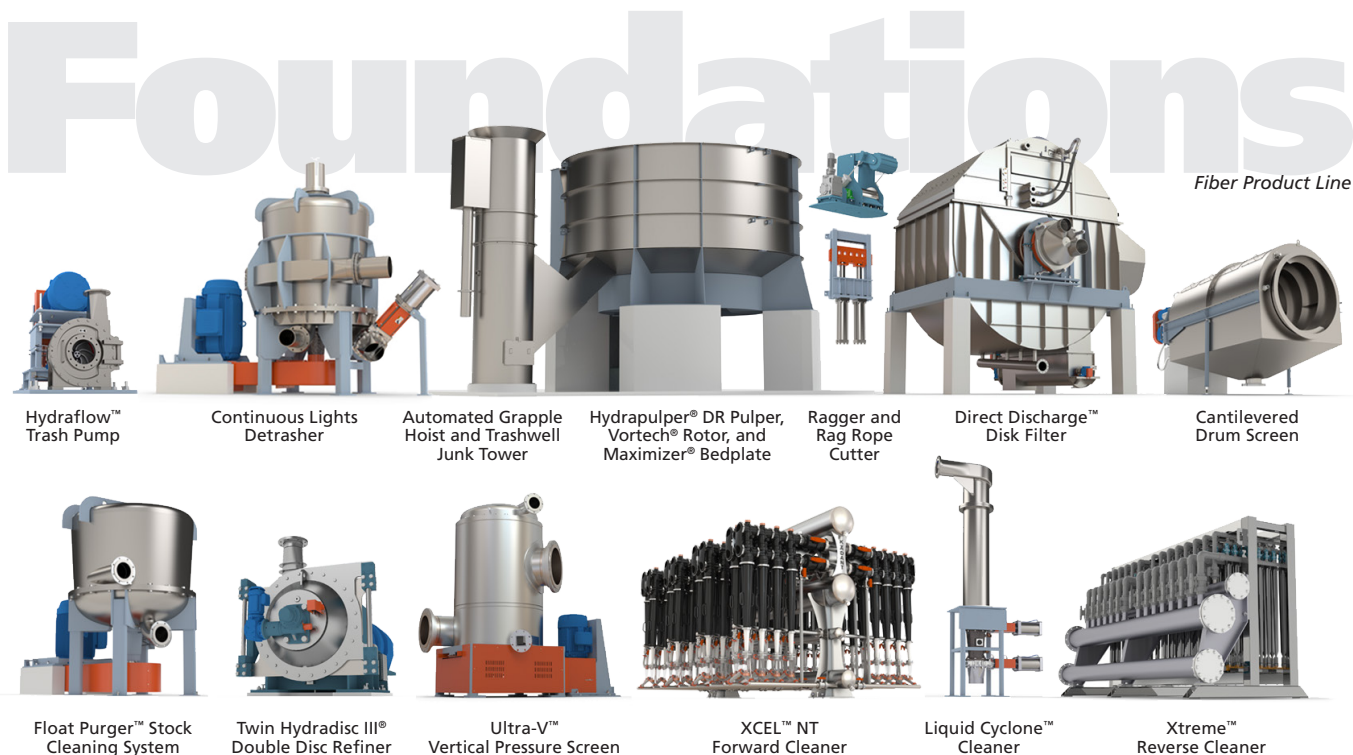
We have generations of experience, a history of innovation, and a proven record of success across the globe. Our skilled engineers, process professionals, application experts, manufacturing, and field service teams have thousands of successful installations to their credit.

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

The Kadant Black Clawson **Foundations** product line offers a full range of fiber processing equipment and services.



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

KADANT

fiberprocessing.kadant.com Kadant is a global supplier of high-value, critical components and engineered systems used in process industries worldwide.

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