

XTREME Reverse Cleaner

*Process even lower
grades of furnish without
compromising high-end
product quality*



XTREME

Reverse Cleaner

The latest reverse cleaning technology to remove lightweight debris from all types of pulp and paper stock.

The XTREME reverse cleaner uses long residence times in a small diameter to maximize the separation of very small contaminants that are close to the specific gravity of the fiber itself. Feed consistencies are the same as in conventional lightweight cleaning systems.

The XTREME cleaner operates with a high accepts consistency because of the thickening factor that is typical of any true reverse cleaner. Installed prior to conventional thickeners, XTREME cleaners increase thickener capacity by pre-thickening the stock to 0.9 - 1.8% accepts consistency, making them ideal for positioning before either thickening or fine slotted screening process steps.

The Heart of an Optimized Cleaning System

A complete XTREME cleaning system consists of two stages — primary stage XTREME reverse cleaners tailed by secondary stage XX-Clone™ through-flow cleaners. Fed with the lean rejects from the XTREMES, the XX-Clones achieve maximum removal efficiency with minimum pressure drop and fiber loss.



XTREME Cleaner

XX-Clone Cleaner

Even the largest system requires only two stages, minimizing system installation and operating costs. The cleaners achieve superior efficiency at a 50-psi pressure drop for the XTREME primary stage, and 30-psi pressure drop for the XX-Clone secondary stage. The total system power consumption is competitive with more conventional series through-flow cleaners, yet efficiently removes more wax, lightweight hot melts, and stickies.

Benefits



Cost Savings

- Reduces fiber loss and sludge disposal costs



Quality Improvements

- Improves product quality of existing furnish
- Use even lower grades of furnish without compromising product quality
- Meets extremely high cleanliness standards for the removal of grease, wax, hot melt glues, latex, styrofoam, and other low density materials



Capacity Improvement

- Highest accepts consistency of any reverse cleaner available
- High system yield with highest possible efficiency



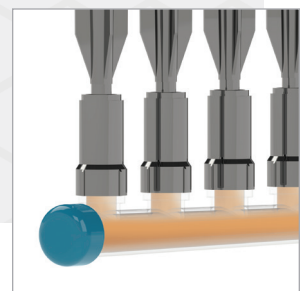
System Improvement

- Higher cleaning efficiency
- Expands capacity of existing thickeners
- Process and design flexibility enables system optimization

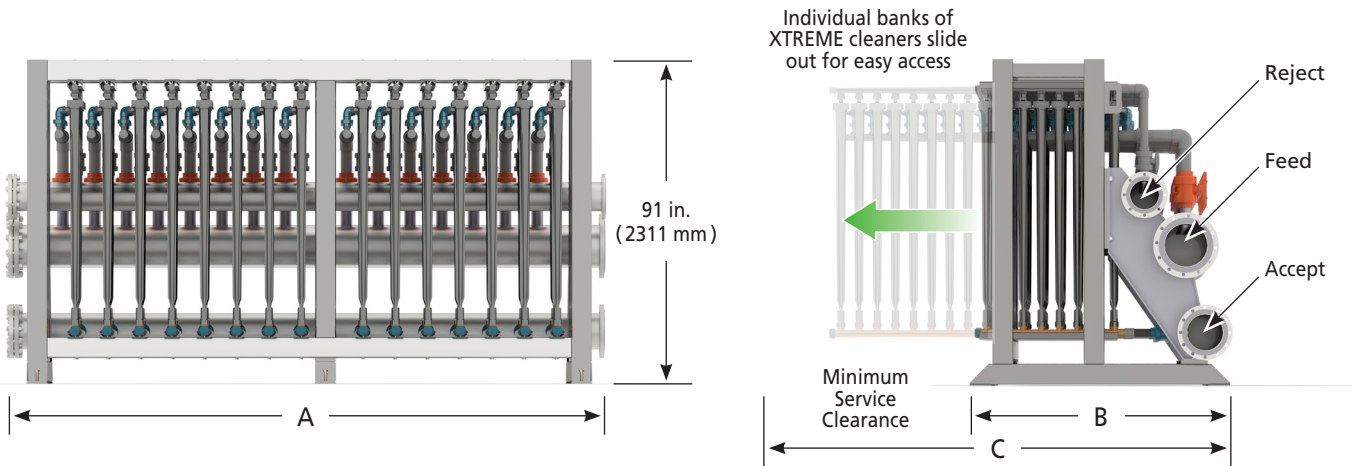


Easy Maintenance

- Pressurized rejects and isolation valves are positioned for easy maintenance during operation
- Individual banks of cleaners slide out for quick access
- *Clear accept mini-header allows easy observation of performance*



Removes wax, styrofoam, hot melt glues, latex, grease, and other low-density materials



Unit Size	A Dimension		B Dimension		C Dimension		Feed Diameter		Accept Diameter		Reject Diameter	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
32	65.31	1659	77.63	1972	145.00	3683	8	203	6	152	6	152
40	74.76	1899										
48	84.17	2138										
56	93.62	2378										
64	103.03	2617										
72	112.44	2856	77.63	1972	145.00	3683	10	254	8	203	6	152
80	121.89	3096										
88	131.30	3335										
96	151.89	3858										
104	161.30	4097										
112	170.75	4337	77.63	1972	145.00	3683	12	305	10	254	8	203
120	180.20	4577										
128	189.61	4816										
136	199.06	5056										
144	219.65	5579										
152	229.06	5818										
160	238.50	6058	80.00	2030	147.25	3740	14	356	10	254	10	254
168	247.91	6297										
176	257.32	6536										
184	266.73	6775	80.00	2030	147.25	3740	16	406	12	305	10	254
192	276.18	7015										
200	285.59	7254										

XTREME cleaners are delivered complete, ready to install, and require only simple foundations. The system includes pressurized rejects and isolation valves that permit maintenance to be performed during operation. Fabricated from injection-molded nylon, they are available in bank sizes ranging from 32 cleaners to 200 cleaners.

General Dimensions - Not certified for construction or installation. Specifications may change without notice. Guards omitted for clarity but perimeter guards are recommended.

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.

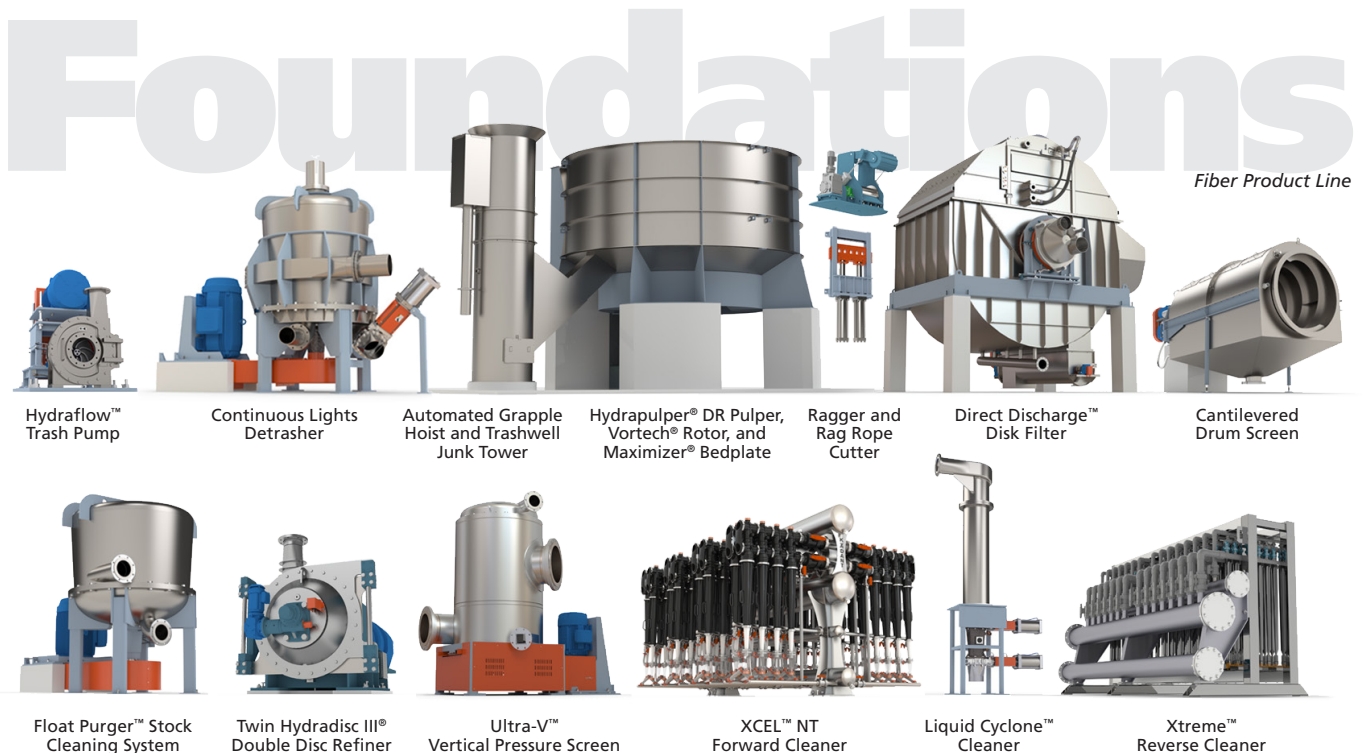
We have generations of experience, a history of innovation, and a proven record of success across the globe. Our skilled engineers, process professionals, application experts, manufacturing, and field service teams have thousands of successful installations to their credit.

Get You Running, Keep You Running

Our technical service and support teams are ready. We provide superior guidance in the planning, design, engineering, 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

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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