

# Ultra-V

## Vertical Pressure Screen



*The Ultra-V vertical pressure screen line features proven innovations created especially for today's competitive pulp and paper industry.*

# Ultra-V

## Vertical Pressure Screen

### Moving Fiber Forward

We developed the Ultra-V screen with our patented bottom-fed, up-flow technology to provide unsurpassed performance and reliability in virgin fiber, secondary fiber, stock preparation, and broke systems.

The Ultra-V screen is designed to meet today's rigid standards of efficiency, capacity, and durability. Applying the most advanced technologies in fluid dynamics and element analysis, our engineers rigorously test each component of screen design, construction, and operation.

This attention to excellence translates throughout the screen including our innovative modular body styles, rotor options, and screen cylinder contours. Additionally, rotors are powered through our robust cartridge drive assembly designed for long life and easy maintenance.

In short, the Ultra-V screen is built to bring optimum performance to your screening operation in every application.

### Benefits



**Heavy duty up-flow design**



**Versatile - modular body, rotors and cylinders for all applications**



**Performs with all screen cylinder and rotor designs**



**Maximized screening zone**



**Early and efficient debris removal protects down stream equipment**



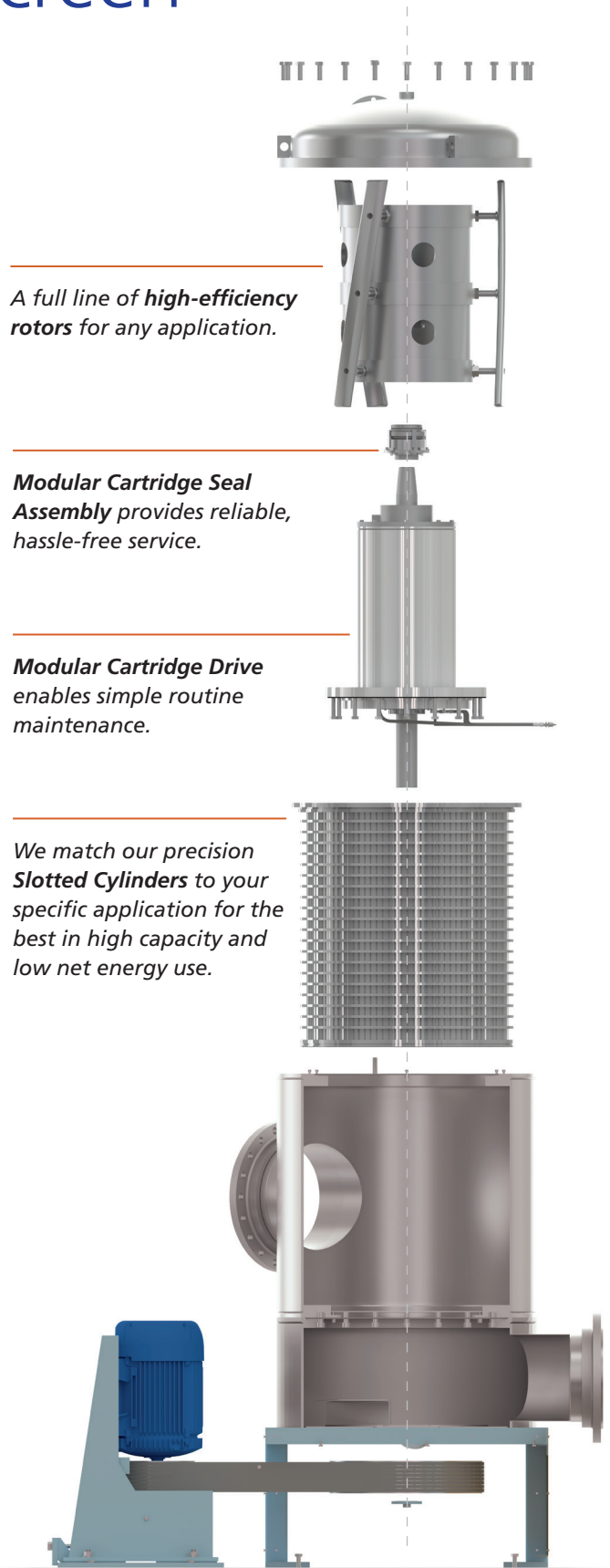
**Lower inlet pressure requirements save energy**

A full line of **high-efficiency rotors** for any application.

**Modular Cartridge Seal Assembly** provides reliable, hassle-free service.

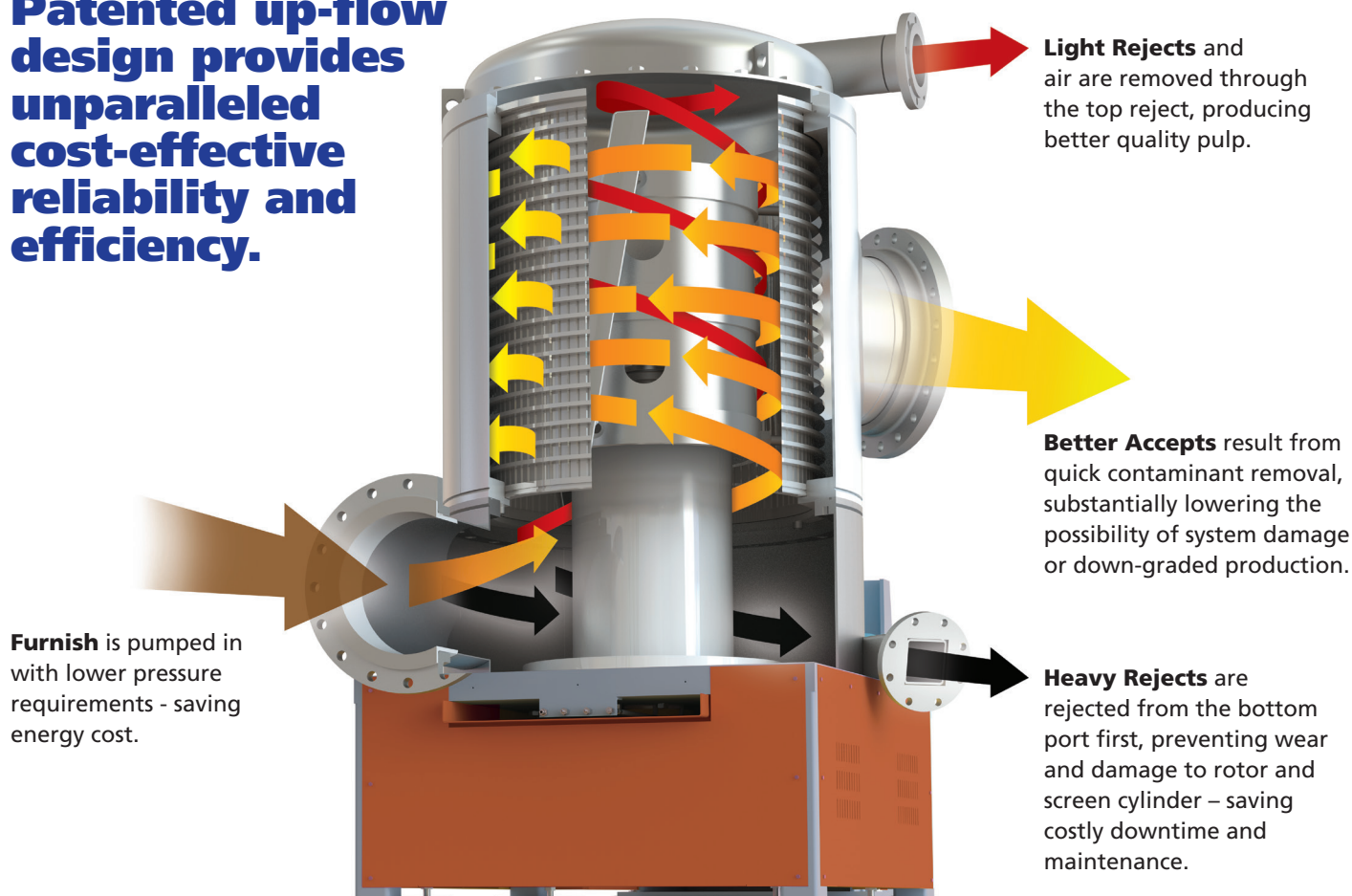
**Modular Cartridge Drive** enables simple routine maintenance.

We match our precision **Slotted Cylinders** to your specific application for the best in high capacity and low net energy use.



# Built to last, designed to perform

**Patented up-flow design provides unparalleled cost-effective reliability and efficiency.**



## The Challenge of Contaminants

Traditional top-fed screens are designed to discharge lightweight contaminants at the base of the screen body. Forcing this lightweight debris unnaturally downward requires extra energy and is simply counterproductive.

Additionally, these contaminants remain in the screening area far too long, potentially becoming extended and accepted before ever moving downward to the lower reject chamber. This reduces pulp quality and allows both contaminants and trapped air to remain.

Heavy contaminants passing through the screening area can easily catch in the rotor mechanism, causing serious and unnecessary damage to the screen cylinder, rotor, and body. Damage ultimately leading to costly downtime and repairs that can be avoided.

## The Up-flow Solution

The unique bottom-fed Ultra-V screen efficiently eliminates these problems with its patented upward flow design and positive heavy reject removal technology. Lightweight contaminants travel naturally to a top reject outlet for quick removal along with any entrained air.

Heavy debris is rejected at the bottom before entering the screening zone, minimizing any potential damage to rotor, screen cylinder, or body. This proactive approach to early debris segregation allows for a maximized screening zone and overall performance efficiencies.

## 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.

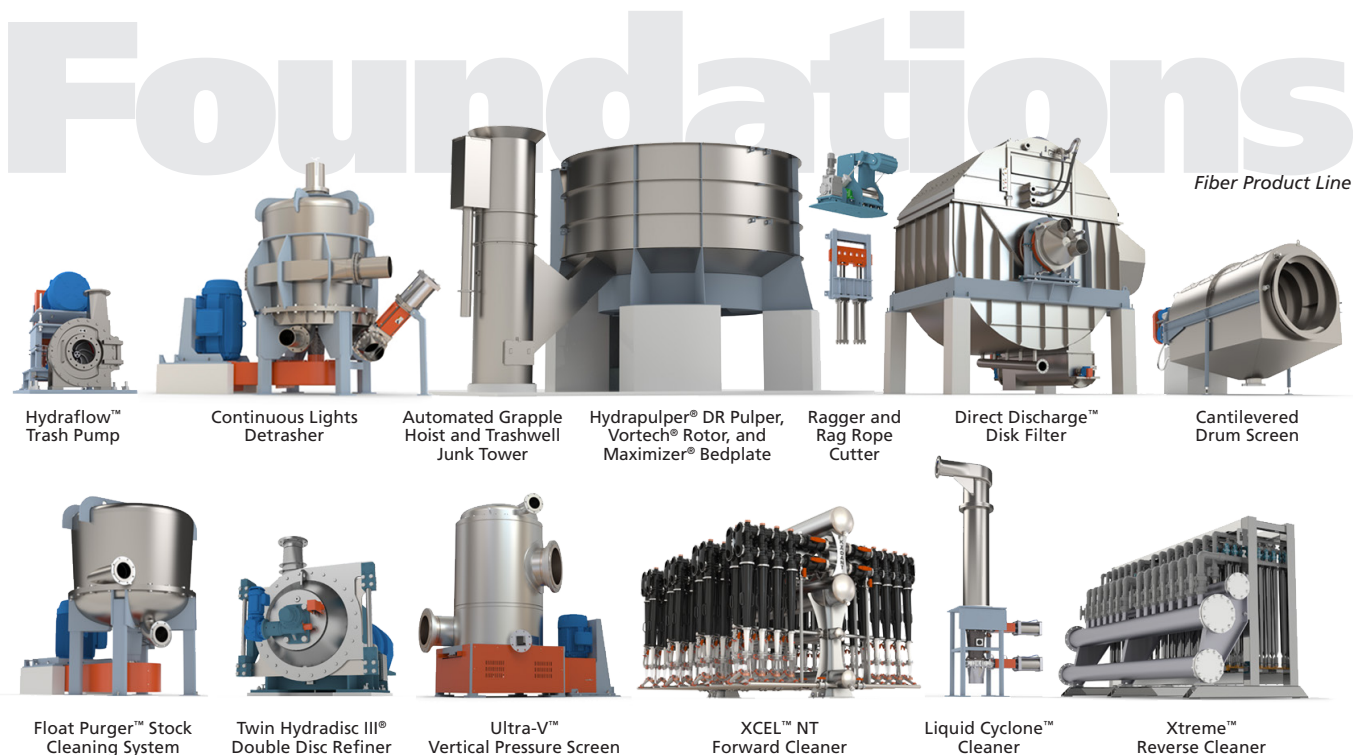
We have generations of experience, a history of innovation, and a proven record of success across the globe. Our skilled engineers, process professionals, application experts, manufacturing, and field service teams have thousands of successful installations to their credit.

## 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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