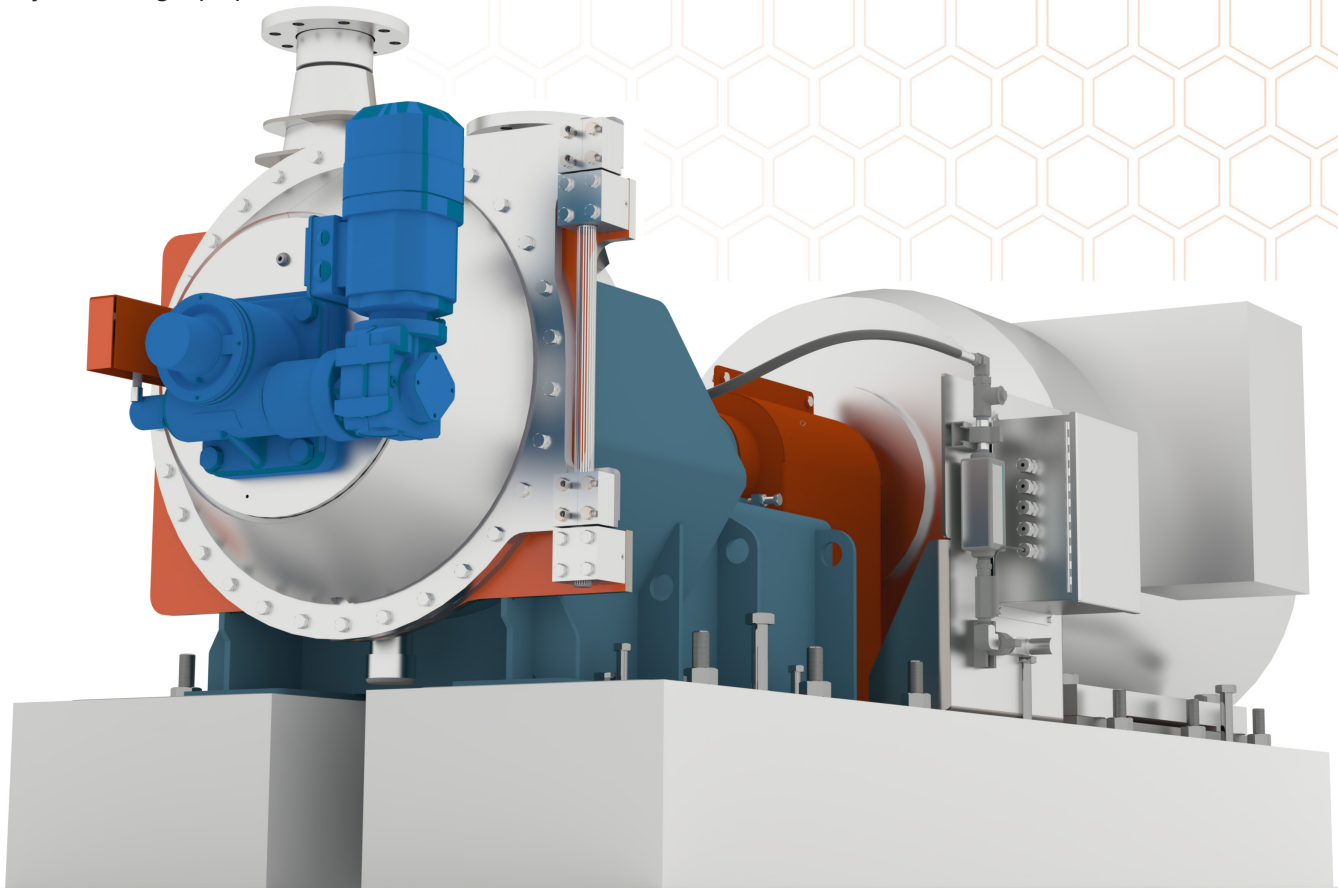


Quad Hydradisc III

Low Consistency Refiner

For the efficient production
of highly refined pulp

*A revolutionary new
concept in fiber refinement,
processing a wide variety
of furnish - white or brown
grade, short or long fiber,
recycled or virgin pulp.*



Quad Hydradisc III

Low Consistency Refiner

Refined for Innovation

The Kadant Quad Hydradisc III refiner was specifically developed for the production of pulp requiring the highest degree of refinement. It produces twice the refining capabilities of traditional dual systems while providing distortion-free stability and the control needed to meet the highest refinement demands.

The Hydradisc' innovative quad blade system reduces processing time and energy cost while providing uniform alignment with process variance. It's fully automatic, auto-adaptive PLC system delivers precise multi-disc gap control for a smooth, safe, and precise operation. Rugged construction and low-maintenance design provides a low cost of ownership and increased operating flexibility and control.

It can be employed in a wide range of applications, across an array of fiber processing - pulp and paper, industrial, and agricultural. The Hydradisc efficiently processes a variety of furnish and is perfectly suited in the manufacture of highly refined specialty papers for tobacco, tracing, and baking as well as low-porosity sheets for filtration.

Refined for Sustainability

High degree fibrillation marks a new dimension of refining and presents new opportunities for enhanced product properties and improved quality. The Quad Hydradisc delivers top performance in the production of sustainable bio material, micro fibrillated cellulose, and products requiring high water retention capabilities. Additionally, it can be employed as a rheology modifier or as an alternative to chemical additives.

Refined by Experience

We have long held a leading role in refiner technology. Our Research and Development teams work closely with global clients to deliver innovative solutions and real-world results - increasing quality, improving production, and saving energy.

Kadant maintains an industrial Quad Hydradisc refiner at our Global Technology Center to produce highly refined pulp of various qualities for your inspection.

Benefits



Flexibility

- Processes a wide variety of furnish
 - White or brown grade
 - Short or long fiber
 - Recycled or virgin pulp
- Adjustable refining levels
- Precise control of fibrillation and fiber cutting level
- Tailor-made plates provide multiple patterns to suit specific stock requirements



Energy saving

- Low production cost
- Reduced specific energy consumption compared to other solutions



Reliability

- Field-proven design and construction
- Accurate and precise gap control

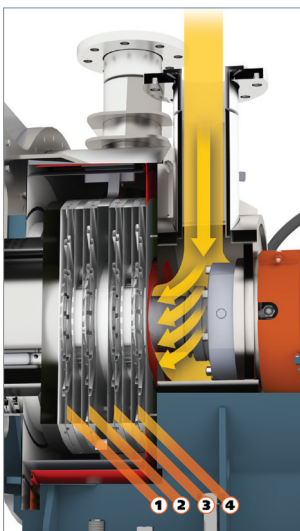
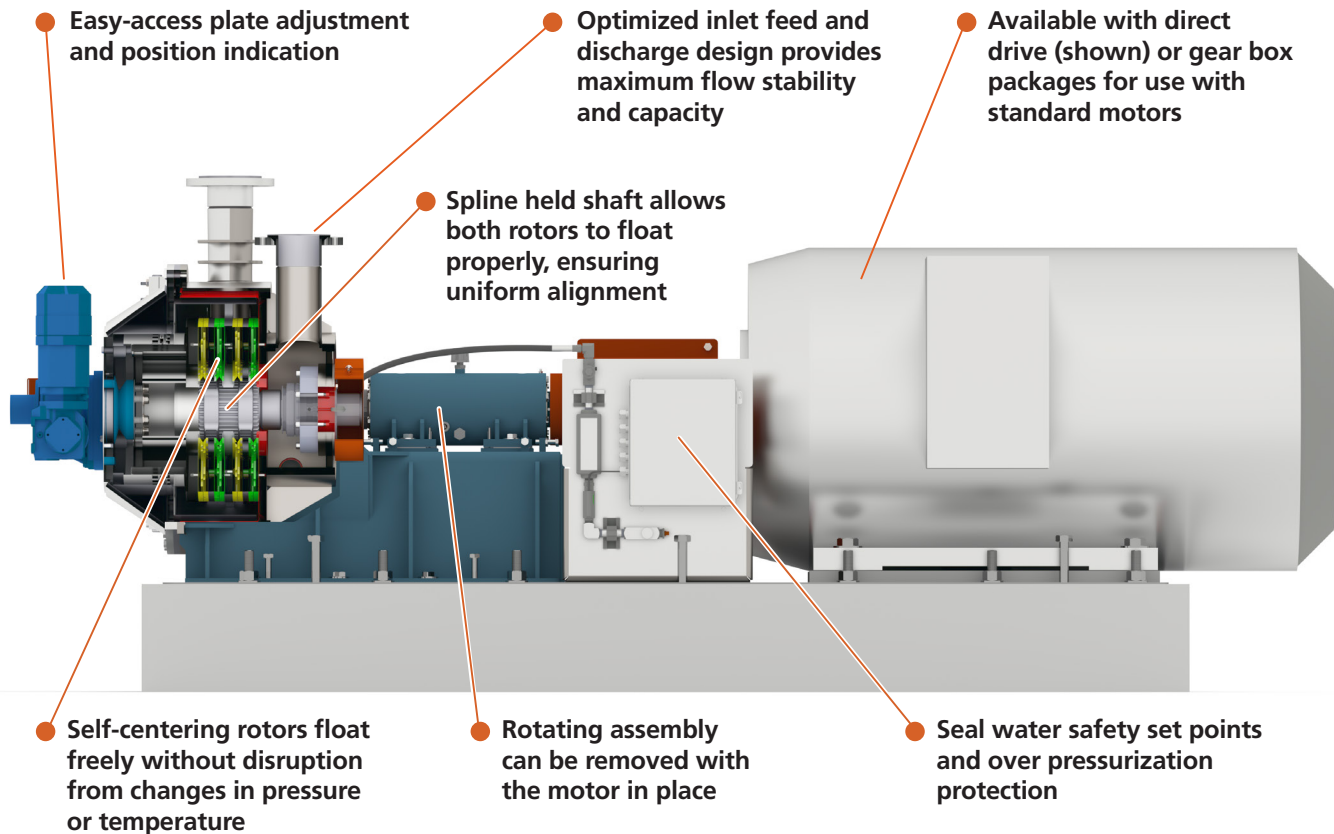


Safety

- External access plate adjustment control
- Over pressurization protection

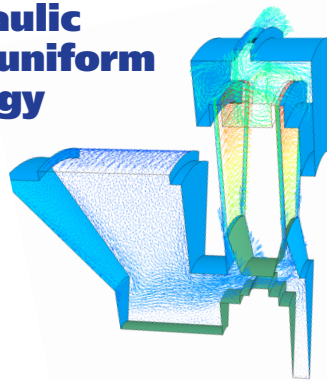


Maximized fibrillation with top performance, high efficiency and precise control



Four refining zones increase capability and efficiency

Optimized inlet design assures hydraulic stability and uniform flow for energy efficiency



Easy field alignment of shaft and rotor

Additional Performance and Control With These Optional Upgrades

- Online optimization of fiber properties
- Catalyzer reaction accelerator for additional energy saving

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.

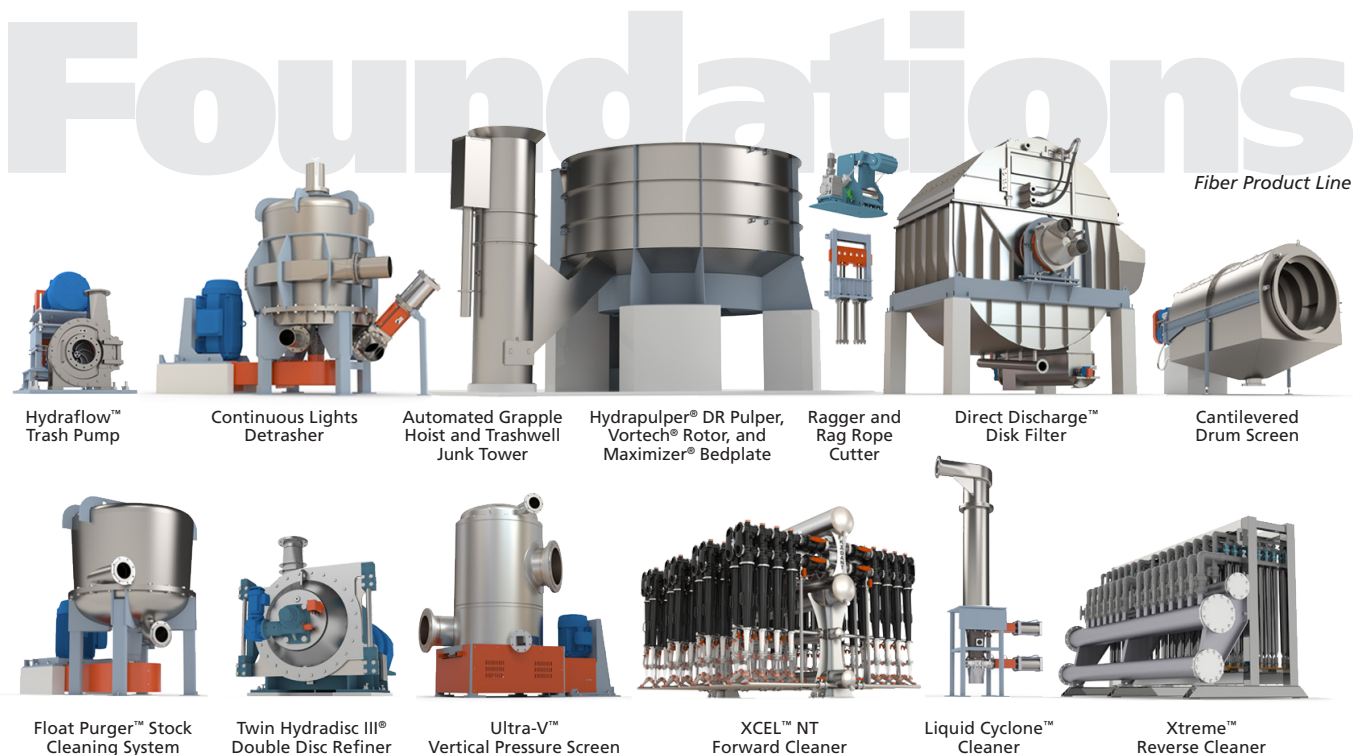
We have generations of experience, a history of innovation, and a proven record of success across the globe. Our skilled engineers, process professionals, application experts, manufacturing, and field service teams have thousands of successful installations to their credit.

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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