KÄDANT

FIBER PROCESSING

Heli-Drum Pulping System

Pulping perfection with superior ink detachment and dispersion

New generation Heli-Soft rotor saves power and increases efficiency

Heli-Drum
Pulping System

Faster, more complete defibering

Applications

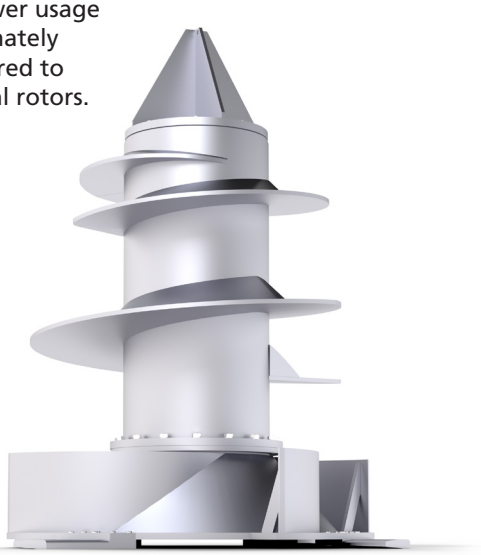
- Deinking
- Mixed waste systems
- Wet strength fiber recovery
- Virgin bale pulp defibering

Low-horsepower requirements run smooth and steady with an eye on the bottom line.

World-tested and proven tough, this system is built for low maintenance and high dependability.

The Heli-Disc Pulper offers superior fiber, ink, and waste dispersion for efficient fiber separation and recovery.

The Heli-Soft Rotor reduces power usage by approximately 30% compared to conventional rotors.



Handles the toughest batches

The Heli-Disc Pulper

This pulping system offers increased efficiency in high consistency applications. It offers superior ink dispersion and low contaminant attrition for very efficient pulp processing.

- Specially designed to operate at consistencies up to 18%
- Creates intense fiber-to fiber friction for faster and more complete defibering

The Heli-Soft Pulper Rotor

In contrast to screw rotors, the Heli-Disc features disc-like spiraling flights along the rotor body. This reduces power consumption by approximately 30% when compared to the conventional rotors, translating into immediate cost savings.

The Conic Drum Screen

The Conic Drum Screen is designed for the collection, transport, and washing of reject waste from the high-density Heli-Disc pulpers. Internal showers and a rotary movement optimize water use and reduce fiber loss. When complete, the de-fibered waste is eliminated from the end of the drum while the recovered fiber and water is returned to the pulper.

Benefits

Improved performance

- Improved pulping with less power
- Superior ink detachment and disperson
- Excellent contaminant removal

Low maintenance

- Simplified design means minimum maintenance, parts, and labor

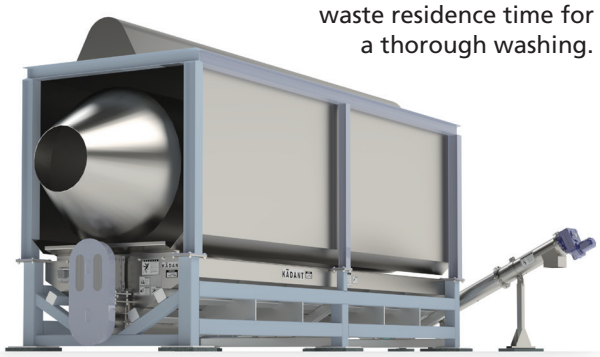
Maximized flow

- String-free contaminants at pump and dump chest agitator

Cost effective

- Low horsepower demand enables a lower cost operation

The Conic Drum Screens' conical shape ensures a perfect waste residence time for a thorough washing.



The Buffer Tank manages the flow of debris from the pulpers to the drum screen with a curved incline and weir gate.

High consistancy excellence

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

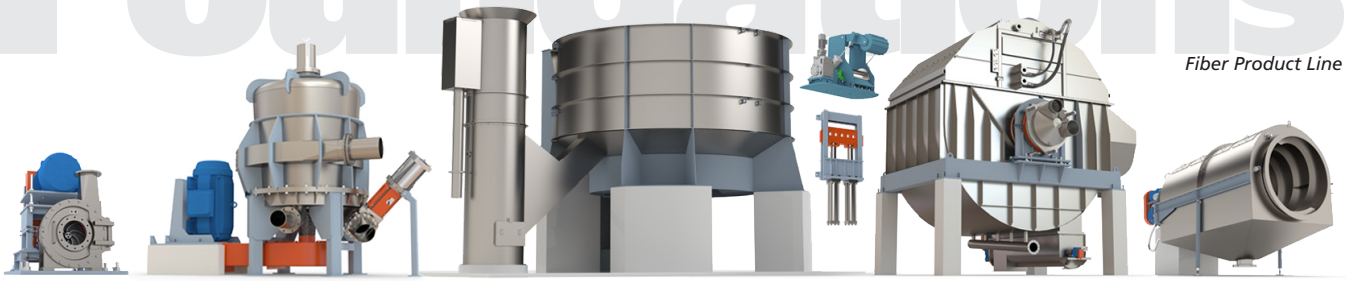
Our technical service and support teams are ready. We provide superior guidance in the planning, design, engineering, installation, and start-up of your systems. Our products and expertise cover the full range of stock preparation and pulping, including:

- Pulping
- Screening
- Cleaning
- Thickening
- Deinking
- Detrashing
- Refining and dispersing
- Reject handling
- Recovery systems
- Heat transfer
- Pulp washing
- Recausticizing

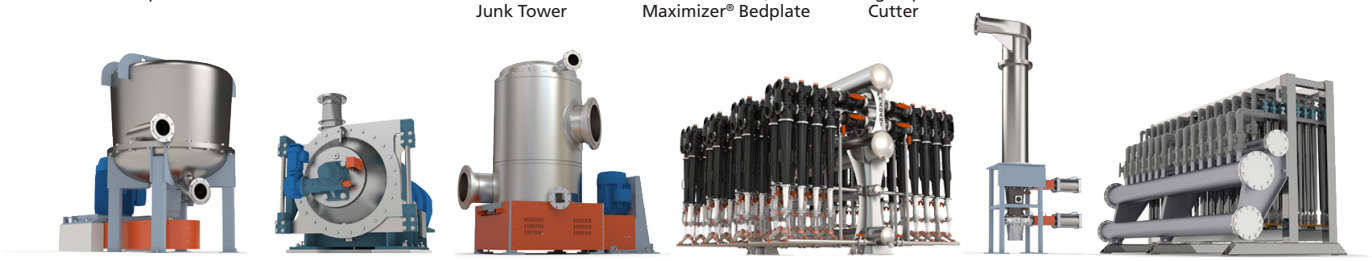
The Kadant Foundations product line offers a full range of fiber processing equipment and services.

Foundations

Fiber Product Line



Hydraflow™ Trash Pump | Continuous Lights Detrasher | Automated Grapple Hoist and Trashwell Junk Tower | Hydrapulper® DR Pulper, Vortech® Rotor, and Maximizer® Bedplate | Ragger and Rag Rope Cutter | Direct Discharge™ Disk Filter | Cantilevered Drum Screen



Float Purger™ Stock Cleaning System | Twin Hydradisc III® Double Disc Refiner | Ultra-V™ Vertical Pressure Screen | XCEL™ NT Forward Cleaner | Liquid Cyclone™ Cleaner | Xtreme™ Reverse Cleaner

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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