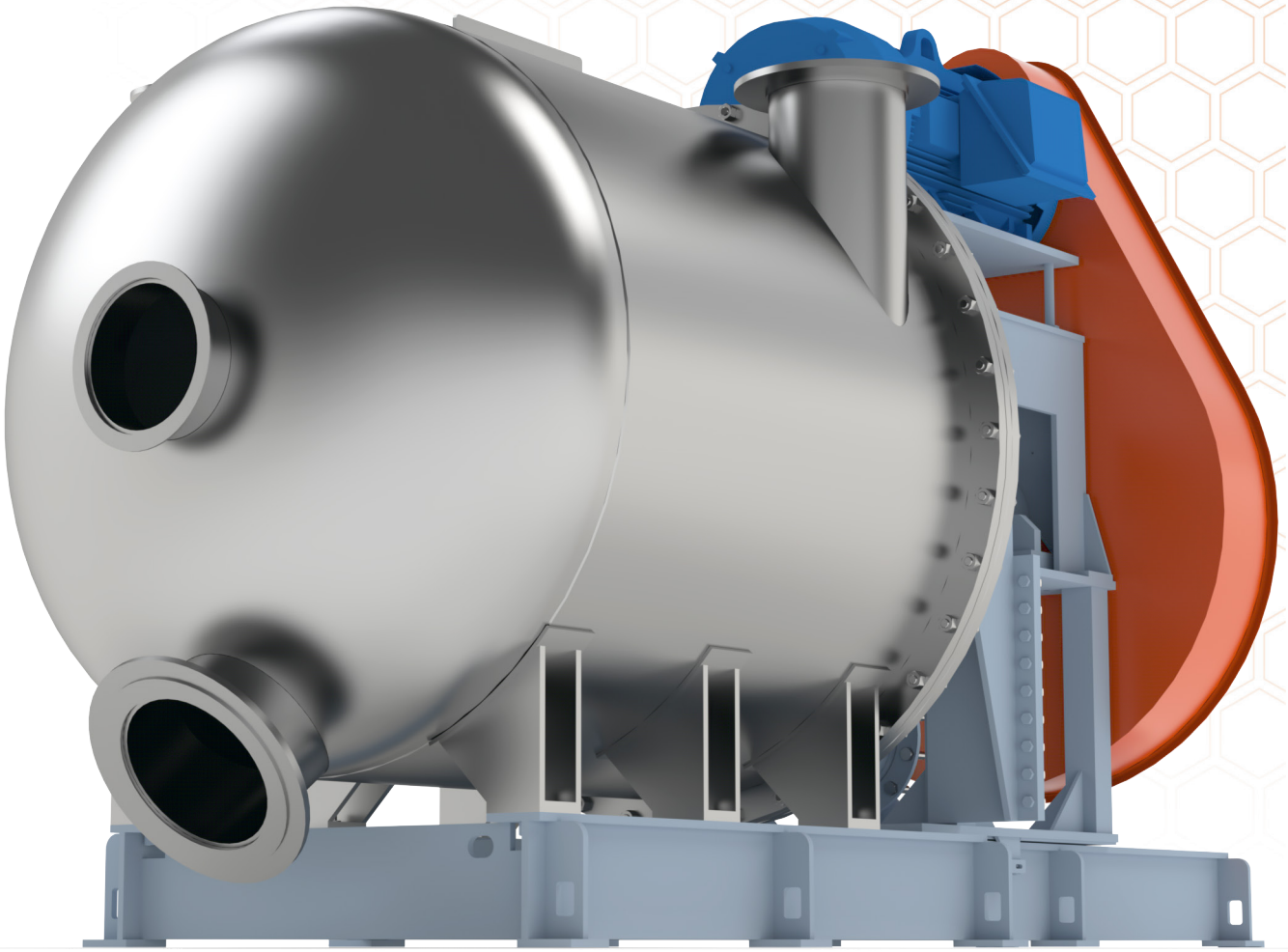
KĀDANT

FIBER PROCESSING

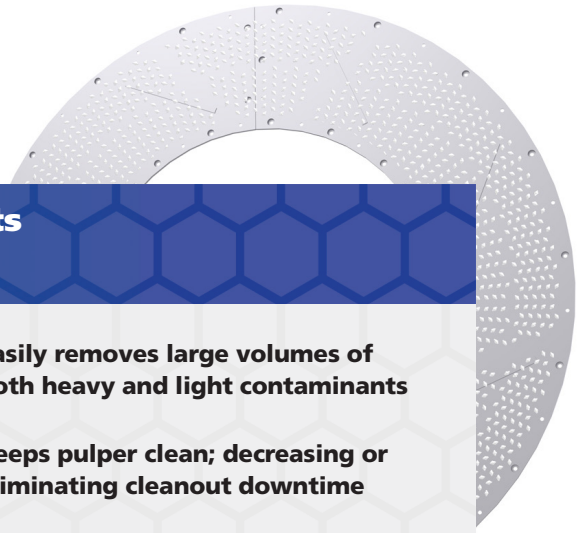
Hydrapurge™ II-X Detrashing System

Remove destructive debris right from the start

This rugged detrasher minimizes fiber loss and protects your system against damage and wear



Hydrapurge™ II-X Detrashing System



The yield-increasing Maximizer® Bedplate

Hydrapurge II-X Detrashing System

The Kadant Hydrapurge II-X Detrashing System works in conjunction with the trashwell to remove plastics, styrofoam and other lightweight contaminants, as well as heavy debris, from the waste paper pulper.

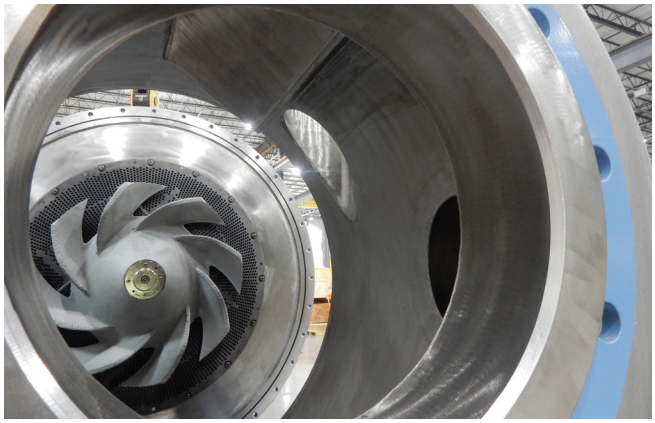
These contaminants are removed from the pulper tub before they reach the extraction bedplate, preventing unnecessary and unwanted production loss, power usage, cleanout downtime and system wear.

Efficient Operation

The Hydrapurge II-X Detrasher operates on a cycle basis, regularly extracting stock from the pulper tub as directed. Fiber is accepted into the detrasher through a perforated bedplate located behind the detrasher rotor, sending it directly downstream. All cycle phases are sequenced and timed with a programmable controller.

Both light and heavy contaminants are collected inside the Hydrapurge II-X as stock is extracted. During the cycle, light contaminants are washed and purged to a Cantilevered Drum Screen for thickening and removal. Heavy contaminants are purged to the Trashwell for removal.

The Hydrapurge prevents the build up of heavy and lightweight contaminants and is the proven low-attrition means of optimizing waste furnish pulper operations.



Designed smart and built tough for long-lived, dependable service – proprietary hardface-clad rotor and plates in a corrosion resistant, stainless steel body

Benefits

- **Easily removes large volumes of both heavy and light contaminants**
- **Keeps pulper clean; decreasing or eliminating cleanout downtime**
- **Removes plastic contaminants in large pieces with little degradation**
- **Protection against damage and wear, while easing burden of downstream equipment**
- **Simple control and operation with safe and easy service access**
- **Can be retrofitted to most existing waste paper pulping systems**
- **Heavy duty construction for a long and efficient life**
- **Reversible extraction plate for extended use and cost savings**
- **Improved yield and high defibering levels provide by the unique Kadant Maximizer Bedplate**

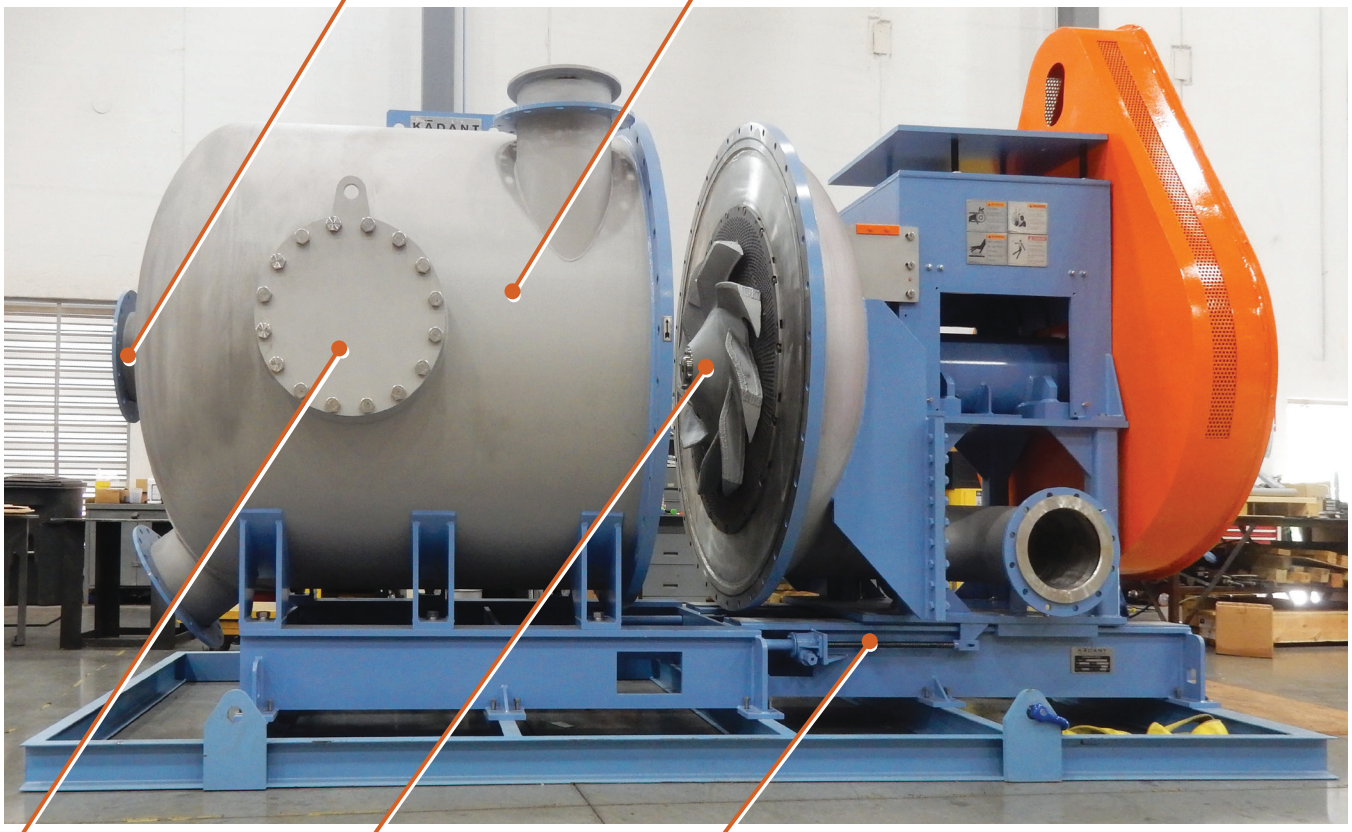
Remove contaminants directly from the pulper tub in their largest form

Maximize fiber yield and increase pulper throughput

Hydrapurge II-X Detrashing Systems are available in three standard sizes or customized for your unique application

Large inlet chamber provides maximum contaminant storage and a high system capacity

Internal design and construction features an optimized system of baffles and nozzles to ensure better debris separation, higher fiber yield, and longer operational life

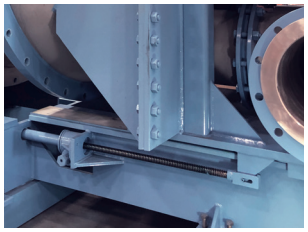


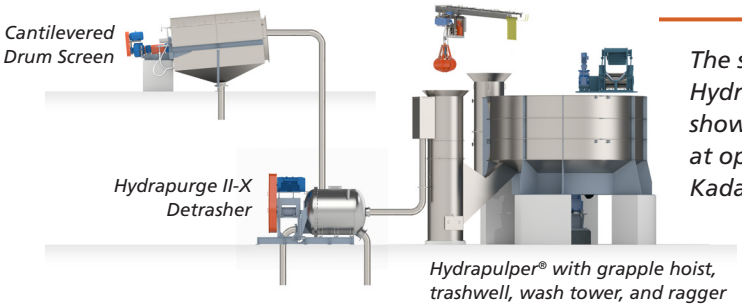
Side body inspection port allows easy inspection of wear parts for maintenance

Cartridge drive assembly with external rotor clearance adjustment

Shaft and rotor are tapered for precision fit

Jacking mechanism moves drive assembly back providing 2 feet (610mm) of space for easy rotor and bedplate maintenance





Hydrapulper® with grapple hoist, trashwell, wash tower, and ragger

The standard method of connecting the Hydrapurge II-X to the Hydrapulper is shown at left. It can also be installed at operating level with the use of the Kadant Hydraflow™ Trash Pump

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

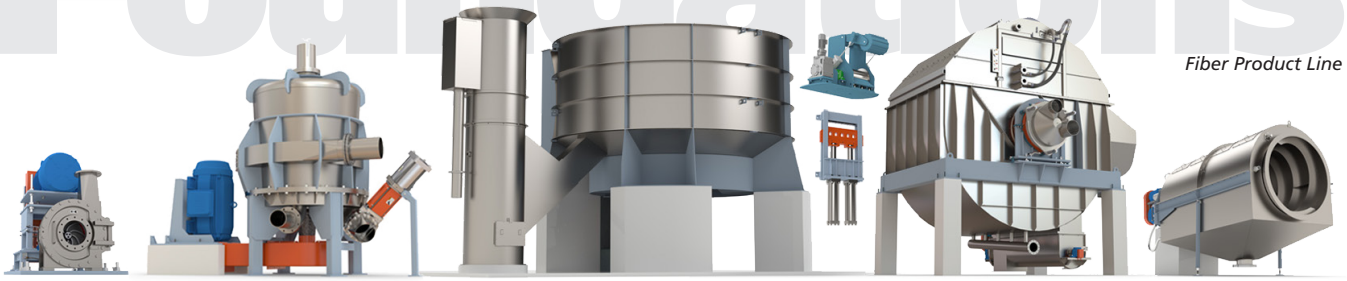
Our technical service and support teams are ready. We provide superior guidance in the planning, design, engineering, installation, and start-up of your systems. Our products and expertise cover the full range of stock preparation and pulping, including:

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

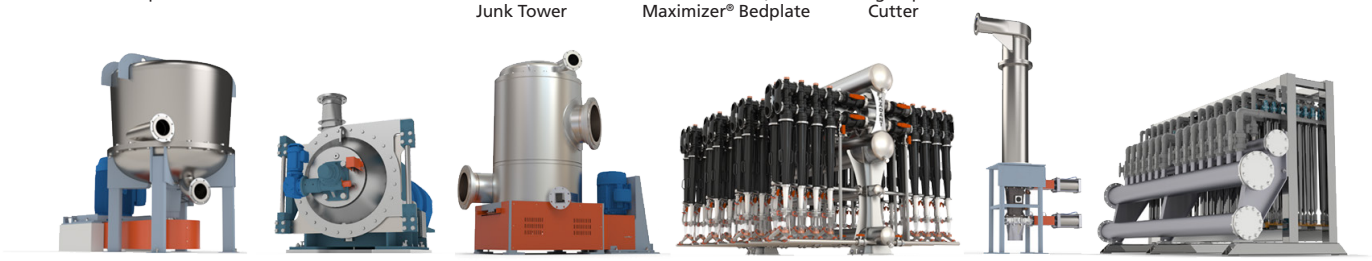
The Kadant Foundations product line offers a full range of fiber processing equipment and services.

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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Hydrapurge II-X Detrashing System

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