KÄDANT

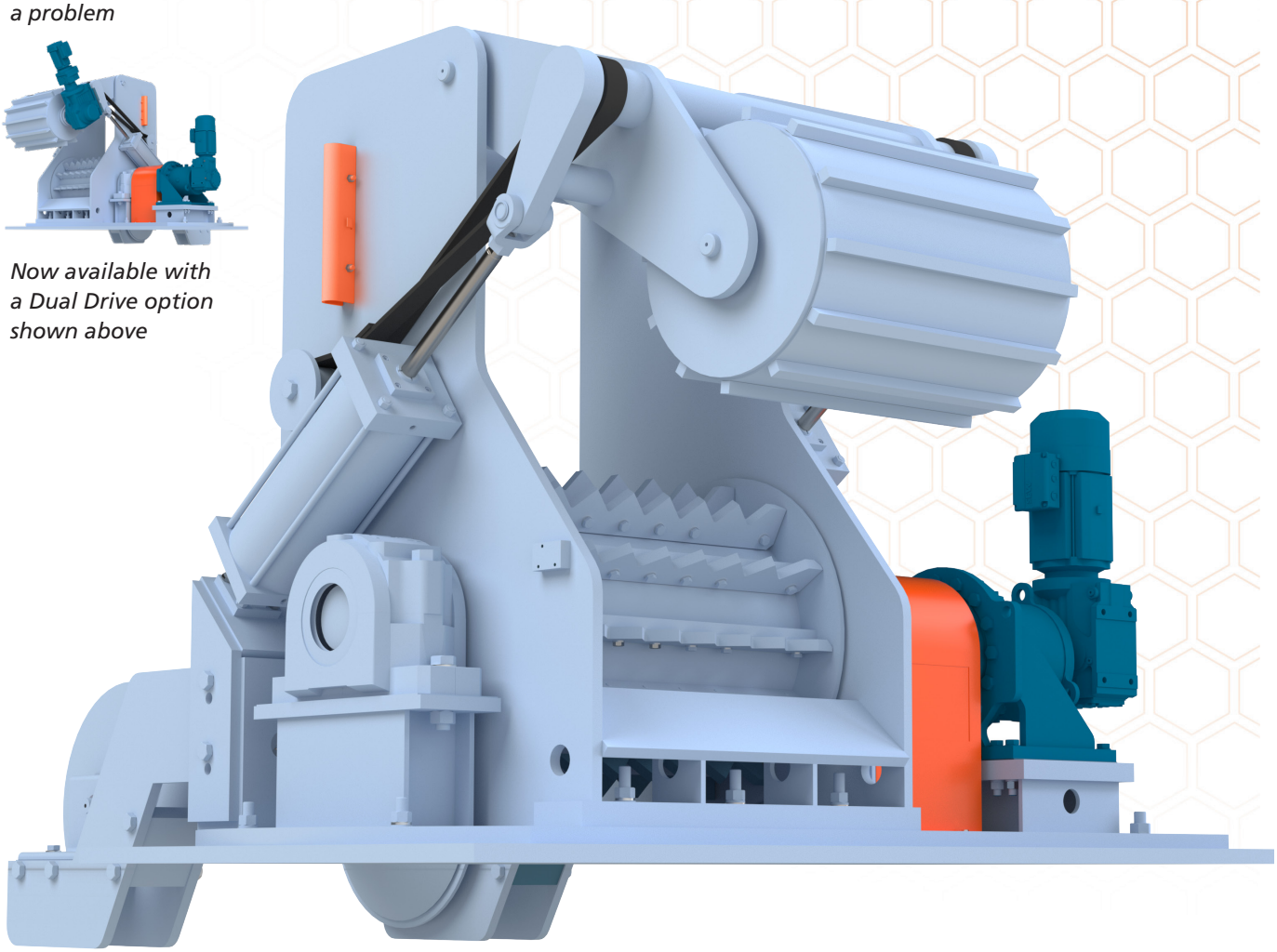
FIBER PROCESSING

Ragger
Model W105

Removes large contaminants from secondary fiber furnishes during the first stages of pulping

Extracts difficult debris such as plastic and wire before it becomes a problem

Now available with a Dual Drive option shown above



Ragger
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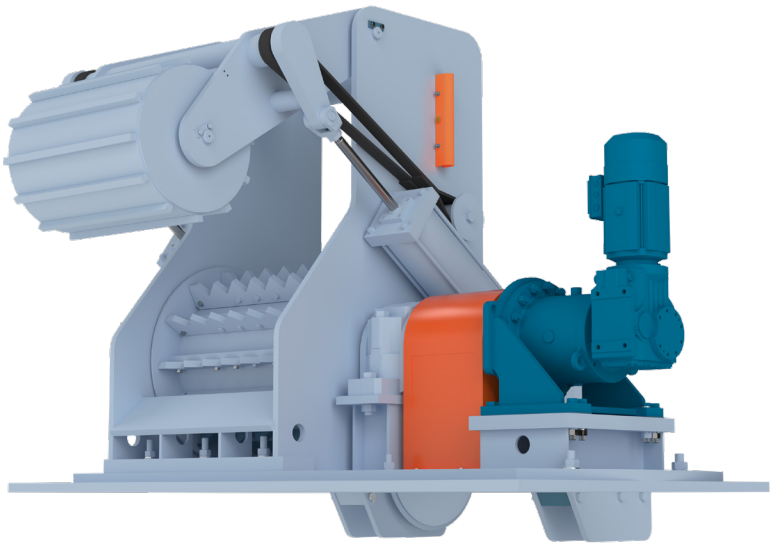


Applications

The Ragger Model W-105 is an accessory unit built to remove contaminants that result from pulping secondary fiber furnishes. It is designed for the optimized extraction of baling wire, sheet plastic, rags, and other non-pulpable material normally encountered in waste paper furnish in the stock prep processes.

Features and Operation

The Ragger is supplied with a rotating fabricated steel base that positions the equipment to the proper operating angle at the side of the Hydrapulper® tub. Once positioned, the Ragger uses the wire that binds the waste paper bales and the swirling hydraulic motion of stock being pulped in the tub to form a continuous wire-reinforced rope. The Ragger is designed to automatically and continually remove this "rag tail" from the pulper.

The rag tail is held securely by two 8-inch air cylinders positioning the secondary drum against the rope and holding it to the primary drum. The rope then snags waste and is reeled over the side of the pulper for disposal via the primary drum as a rag tail of debris.

Benefits

Smart Engineering
Straight drums allow for easy tail starting

Heavy-duty construction
Heavy-duty bearings and proven gear-motor assembly built in. Guide roller protects tub wall and centers rag tail

Configurable options
Modular assembly mounts to rotating base for precise alignment with tub flow

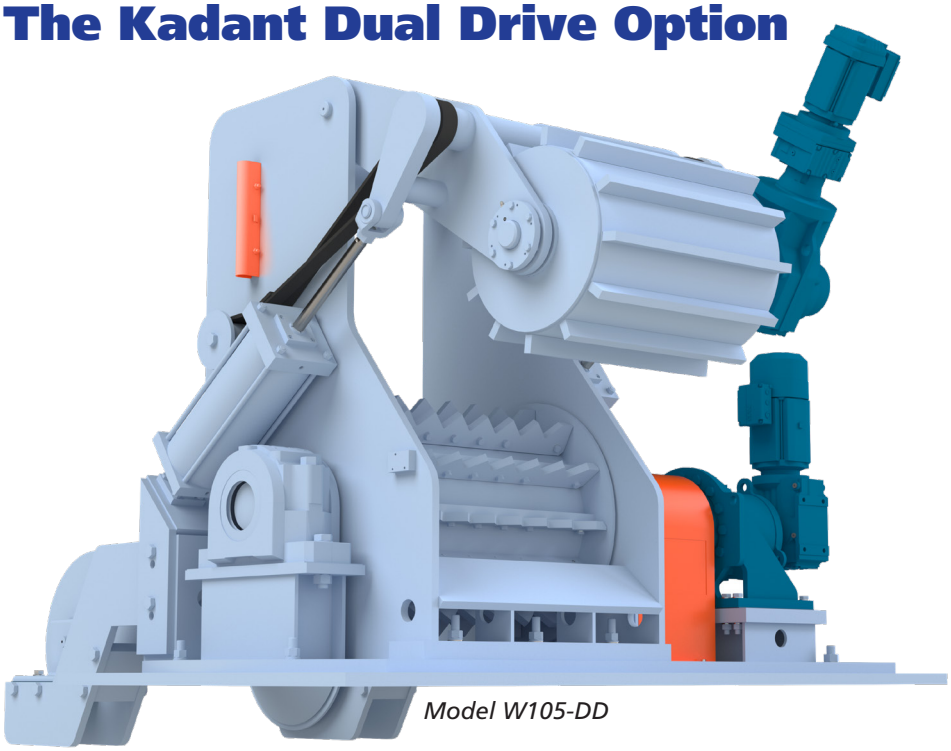
Unsurpassed strength
Twice the clamping force of competitive units

The same hydraulic action that forms the rag tail creates a washing and wringing action that allows valuable fiber and water to be returned to the process. A guide roller positioned at the front of the Ragger works to align the rag tail for the primary drum and prevents the rag tail from scraping the side of the Hydrapulper tub and reduces rag tail breakage occurences.

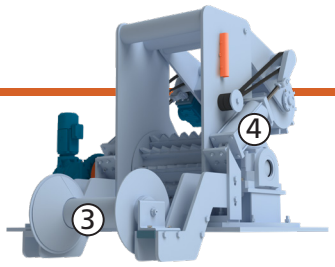
The Ragger uses timers to set the frequency and duration of each tail pull. The operating speed of the Ragger can be adjusted according to the amount of trash in the furnish to maintain a consistent tail diameter.

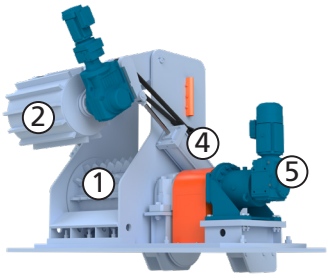
Removes sheet plastic, rags, and other large non-pulpable material normally encountered in wastepaper furnish.

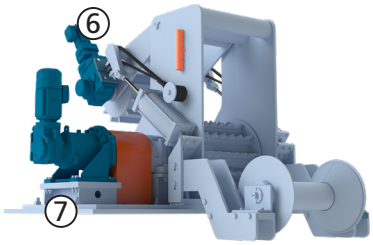
The Kadant Dual Drive Option



Model W105-DD



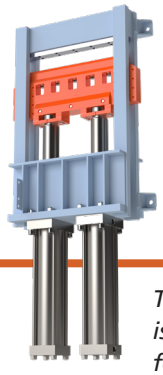




① *Primary Drum*
② *Secondary Drum*
③ *Guide Roller*
④ *Air Cylinder(s)*
⑤ *Primary Gearmotor*
⑥ *Dual Drive Gearmotor*
⑦ *Rotating Base*

The Kadant Dual Drive option gives you the upper hand with heavily contaminated furnish that often results in larger, harder to handle rag tails. The addition of a gearmotor to the secondary drum ensures quick and trouble-free removal of the heaviest rag tails.

This option features variable frequency drive controls to sync the motion of the primary and secondary drums for manual and automatic operation. This option allows for easy switching between timer and DCS control.



The Kadant Rag Tail Cutter is the perfect companion for all Kadant Raggers

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

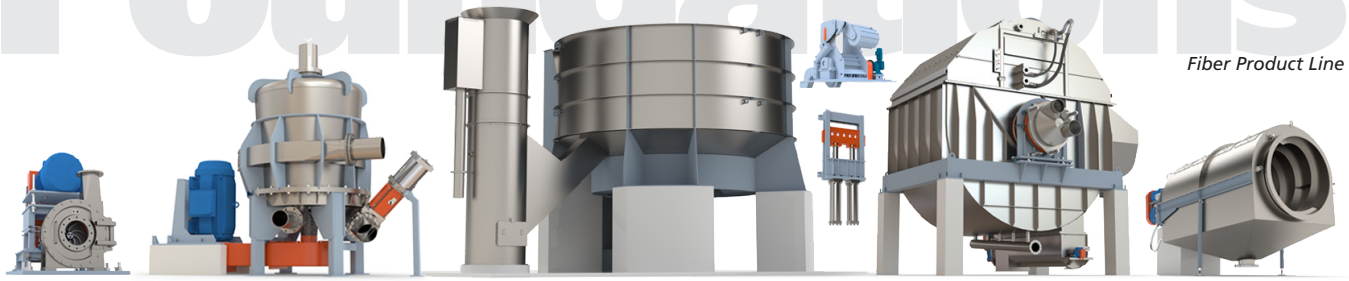
Our technical service and support teams are ready. We provide superior guidance in the planning, design, engineering, installation, and start-up of your systems. Our products and expertise cover the full range of stock preparation and pulping, including:

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

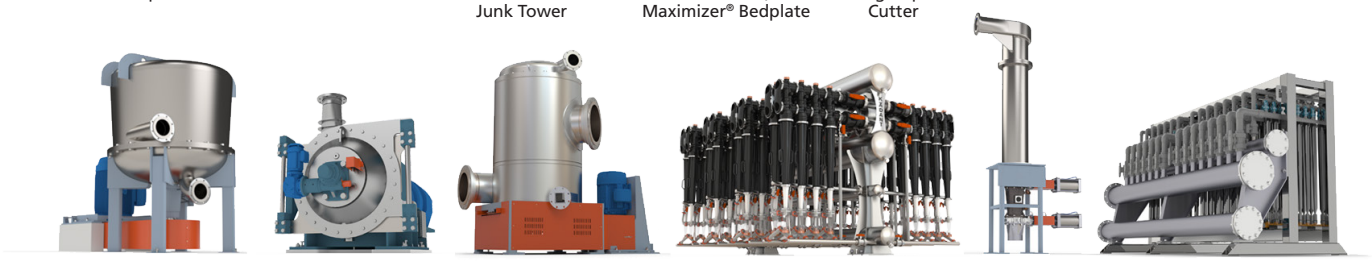
The Kadant Foundations product line offers a full range of fiber processing equipment and services.

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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W105 Ragger

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