

# Zero Waste Solutions



FROM WASTE TO WORTH

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## Introduction

At Kadant, Sustainability has always been at the forefront of our product innovations, communications, research efforts & technological advancements. In our on-going efforts to lead the industry in promoting sustainable practices, our extended reject handling solutions that addresses the high cost of disposing the reject in the pulp & paper industry.

Our innovative upcycling process includes effective Coarse Reject Handling, Fine Reject Handling, and Wastewater management. We offer an advanced thermoplastic system for customers looking for a comprehensive waste management solution. We believe in creating a future where waste is seen as an opportunity, not a burden.

We envision a future where “waste is upcycled for life cycle” into valuable resources, reducing environmental impact and benefiting both our clients and the planet. Our mission is to “lead the way in upcycling and waste management, creating valuable resources”. We strive to be a global leader in innovative and reliable waste management solutions that reduce environmental impact and improve profitability.

## Industry Challenges And Innovative Solutions

Pulp and paper mills face a considerable challenge when it comes to managing rejected material, as a substantial portion of the raw material input is rejected. Additionally, traditional methods employed by these mills can negatively affect profitability, since waste disposal practices lack environmental consideration and lead to incurring high associated costs for disposal.



## Benefits



**Sustainable reject management solution**



**Improves the financial performance of mills**



**Transforms waste into valuable products**



**Reduces waste disposal costs**

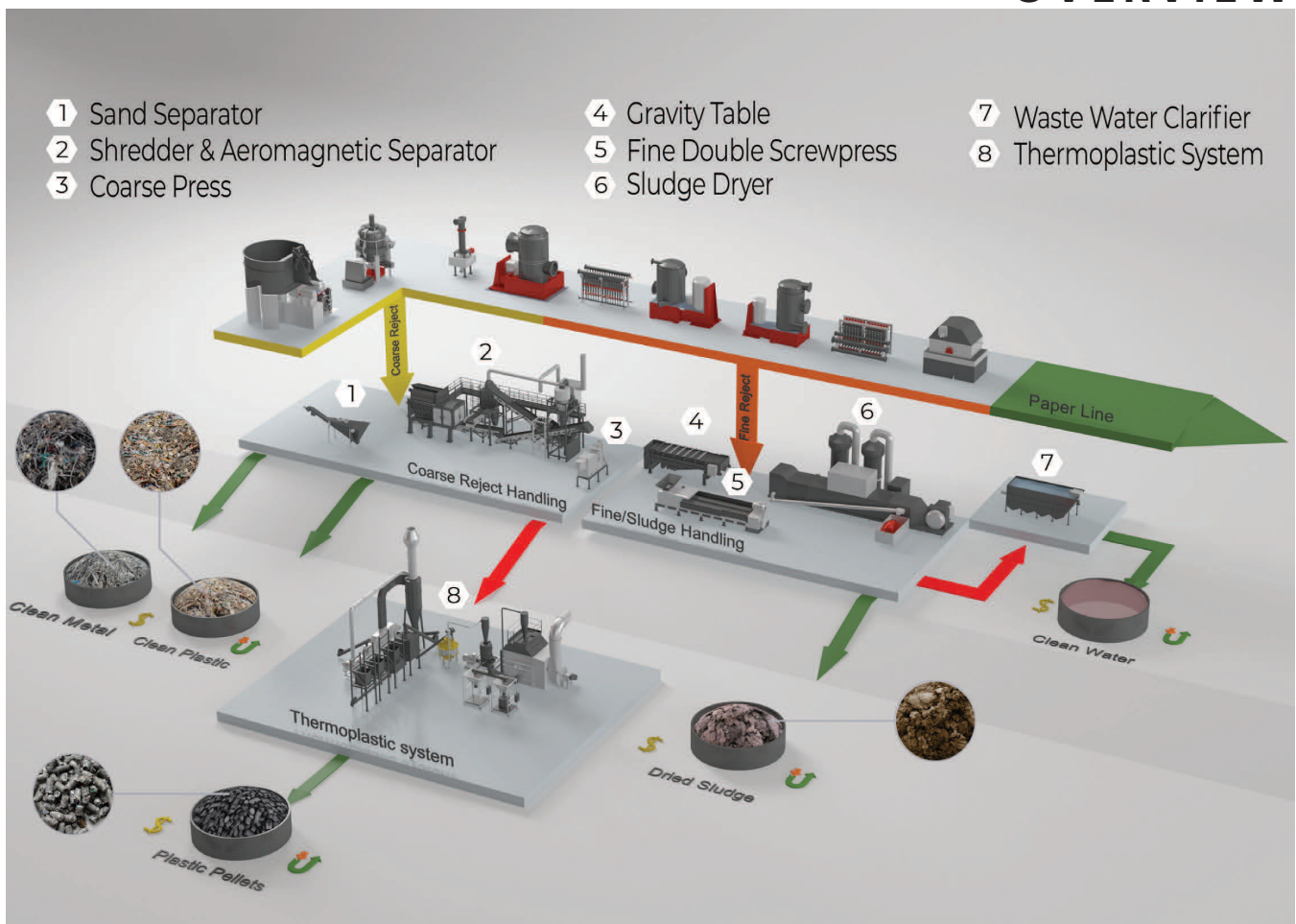
Revolutionizing Waste Management in the Pulp and Paper Industry: Kadant’s upcycling solution offers a sustainable and cost-effective solution to the reject management challenges of the pulp and paper industry. The division transforms various streams of stock-reject into valuable products like metals, wires, and plastic pellets while clarifying the waste water streams to be reused in the production process.



**Our mission is to lead the way in upcycling and waste management, creating valuable resources**

# From Waste To Worth: Redefining Recycling

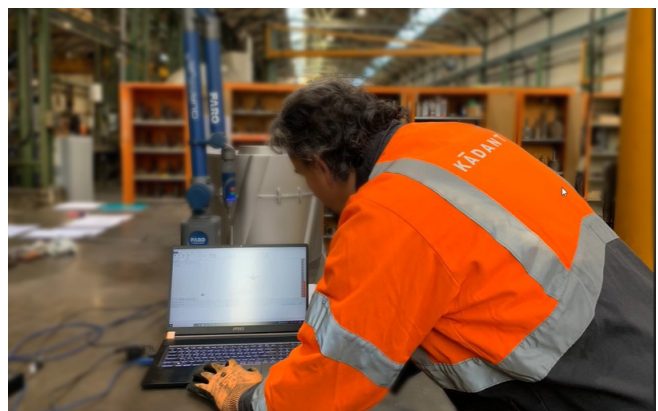
## RECYCLING OVERVIEW



### All-in-One Service Provider

We conduct a comprehensive waste audit to identify specific waste management challenges faced by our clients and offer customized solutions, which include the design, installation, and maintenance of waste management systems.

Our team of experts also provide training and support to help clients optimize their systems for maximum results. Our fiber processing services promotes sustainability and profitability by minimizing waste and improving efficiency in the pulp and paper industry.



Local Support



Repair & Upgrade



OEM Spare Parts



Pilot Unit Rental



Training



Service Agreement



Process Optimization



Lab & On-Site Testing

## 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

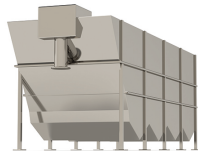
Our technical service and support teams are ready. We provide superior guidance in the planning, design, engineering, installation, and start-up of your systems. Our products and expertise cover the full range of stock preparation and pulping, including:

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

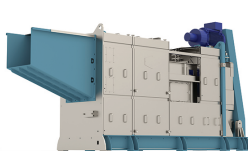
The Kadant **Foundations** product line offers a full range of fiber processing equipment and services.

# Foundations

## Reject Handling



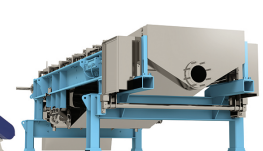
Waste Water Clarifier



Coarse Press



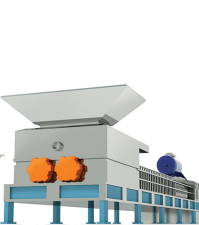
Thermoplastic System



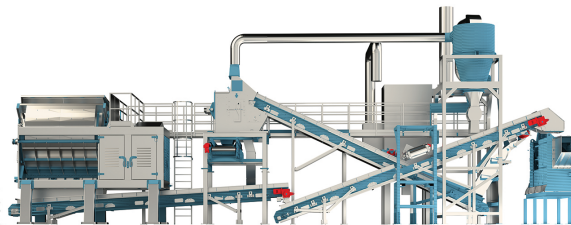
Gravity Table



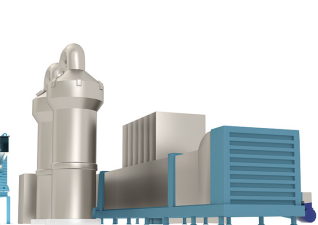
Sand Separator



Fine Double Screw Press



Aeromagnetic Separator and Coarse Reject Shredder



Sludge Dryer

For patent information about this and other Kadant products visit <https://kadant.com/en/patents>



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# 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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