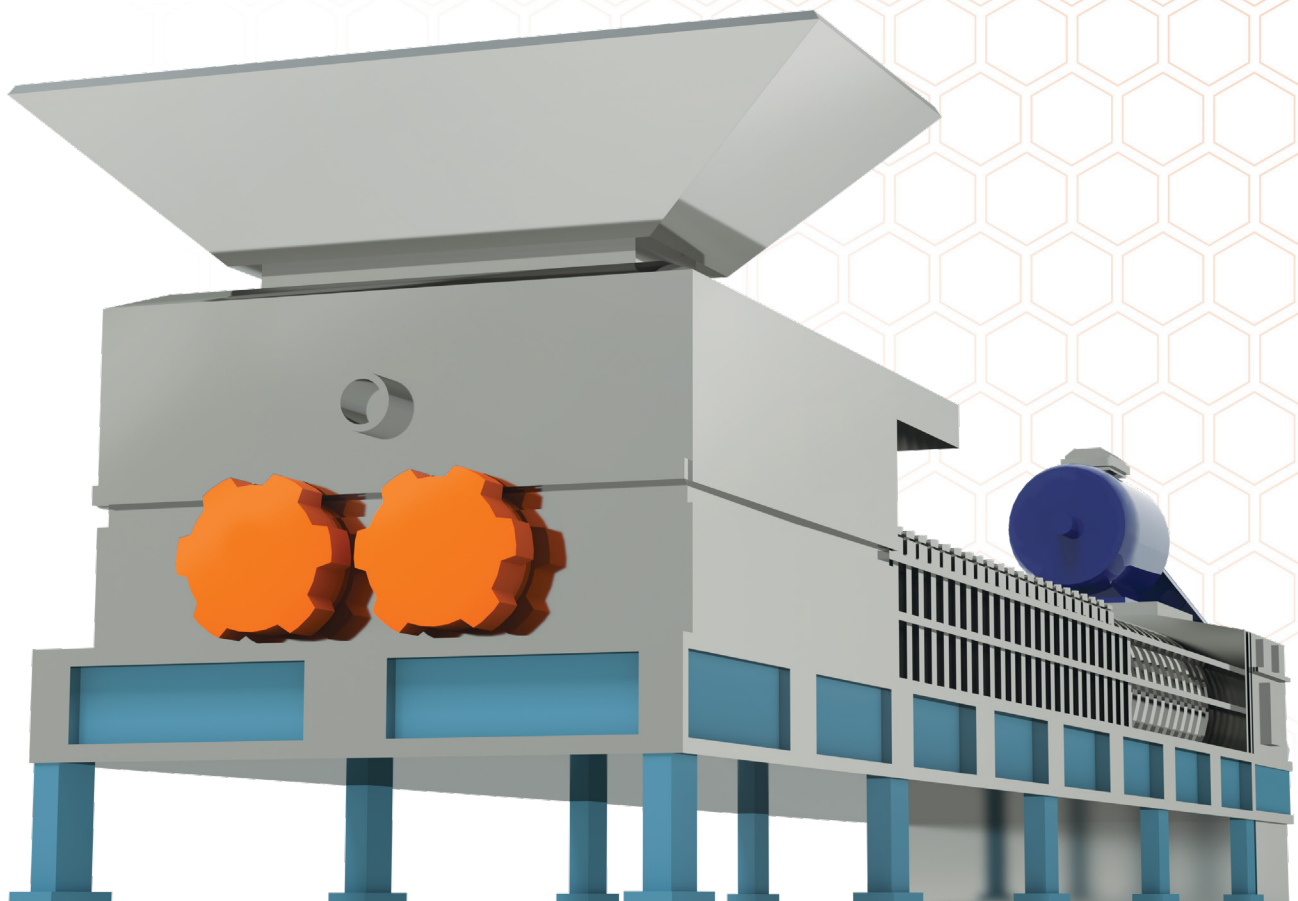


REJECT HANDLING

Fine Double Screw Press

Innovating waste
management

FROM WASTE TO WORTH
UPCYCLING



Fine Double Screw Press

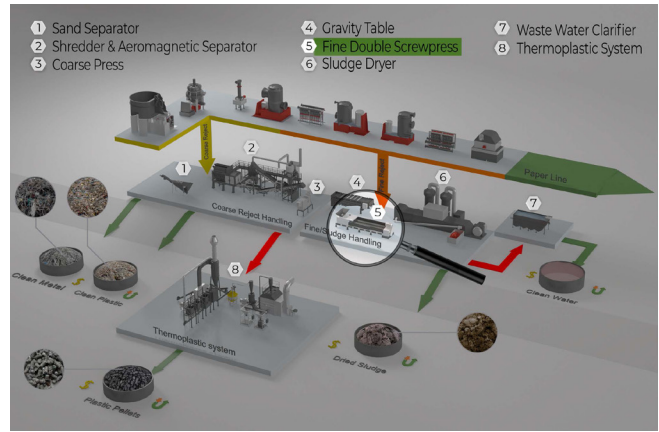
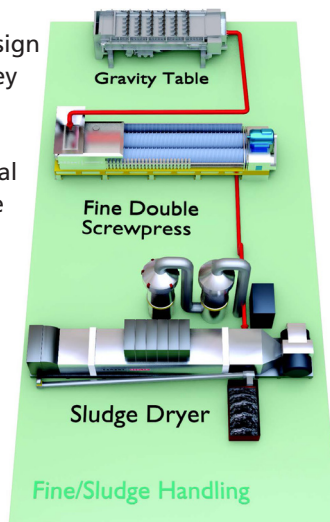
Introduction

Kadant is a frontrunner in sustainability, continuously driving product innovations, research efforts, and technological advancements. In line with its commitment to promoting sustainable practices, Kadant introduces Kadant Upcycling (KUP) as a groundbreaking solution to address the high cost of reject disposal in the pulp and paper industry. KUP encompasses Coarse Reject Handling, Fine Reject Handling, and Wastewater management, integrating an advanced thermoplastic system. Kadant envisions a future where waste is transformed into valuable resources, reducing environmental impact and benefiting clients and the planet. With a mission to lead in upcycling and waste management, Kadant strives to be a global leader in innovative and reliable waste management solutions, enhancing profitability while minimizing waste.

Innovating Waste Management

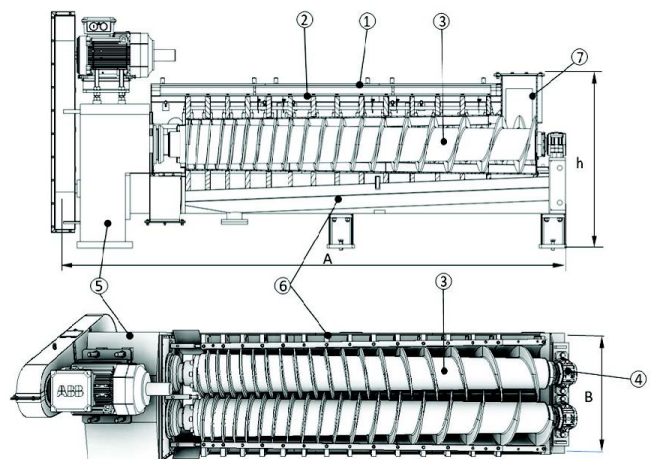
Introducing Kadant's advanced fine double screw press technology, a reliable and efficient solution for waste management in the paper industry. With its robust design, intuitive touch screen panel, and automatic control system, fine double screw press offers unparalleled performance. Using rotating screws, they separate liquids from solids and compress materials, optimizing waste pressing and water drainage. Experience innovation and quality with Kadant's fine double screw presses.

Kadant's fine double screw presses offer versatility in design and mechanism, ensuring they can cater to diverse needs and tasks. The customizable options, coupled with minimal energy consumption, provide an efficient and sustainable waste management solution for industrial applications. Experience the pinnacle of innovation and quality with Kadant's screw presses. Embrace a new era of waste management, where reliability, efficiency, and high performance are seamlessly combined to elevate your operations.



Mastering Separation, Compression, and Filtration

Fine double screw press uses rotating screws to do two important things: separate liquids from solids and compress materials. The process starts by feeding the material into the press. The rotating screws push it forward, causing compression and filtration to happen. As the material moves along, the liquid separates from the solid, and the separated liquid drains out. At the same time, the solid material gets compressed and forms a compacted mass known as "cake." This compressed solid moves towards the discharge end. Depending on the specific type and model of the fine double screw press, it might have sensors and monitoring systems to make it work better and allow for adjustments to its settings. The design and mechanism can vary, suiting different needs and tasks.



Boost your performance

Applications

- **Dewatering:** Fine double screw press efficiently dewater sludge, industrial wastewater, and municipal wastewater, reducing moisture in solids for easier disposal or processing.
- **Juice and Oil Extraction:** Fine double screw press extract juices from fruits and vegetables, as well as oils from seeds and nuts in the food and beverage industry, preserving nutrients and minimizing loss of oil content.
- **Waste Management:** Fine double screw press is vital for waste management, compacting and dewatering materials such as pulp, organic waste, and biomass. This reduces volume, streamlines transportation, and enhances waste disposal efficiency.
- **Biogas Production:** Fine double screw press enhance biogas production by separating solid digestate from the liquid phase, improving anaerobic digestion efficiency in biogas plants.



Benefits



Efficient Dewatering

Fine double screw press efficiently remove moisture from solids, making them easier to handle, transport, and dispose of by reducing their moisture content. The extracted liquid has a very low content of solids.



Energy Efficiency

Optimized power consumption and minimal energy wastage for energy efficiency.



High Yield and Product Quality

High yield and premium product quality for optimal nutrition and purity.



Environmental Sustainability

Promoting environmental sustainability through waste reduction, proper disposal, and efficient resource utilization.



Versatility

Versatile handling of diverse materials for wide-ranging applications.



Simplified Maintenance

Simplified maintenance through user-friendly designs, minimizing downtime and streamlining cleaning, inspection, and repairs.

Press type	Dimensions (mt)				Weight (T)	Motor (Kw)	Input capacity T/h
P20B	A 2,6 5	B 0,80	C 1,03	D 1,57	2.6	7,5-11,0	0,3-0,5
P30B	A 3,2 5	B 1, 00	C 1,30	D 1,95	3.5	11,0-15,0	0,5-0,8
P40B	A 4,1 5	B 1, 20	C 1,40	D 2,80	8.0	18,5-37,0	1,0-1,6
P50B	A 4,75	B 1, 20	C 1,80	D 3,22	12.5	22-55	1,6-2,5
P60B	A 5,95	B 1, 80	C 1,80	D 4,18	19.0	75-90	2,5-3,5
P70B	A 7,00	B 2,00	C 2,00	D 5,19	25.5	110-160	4,0-5,0
P80B	A 7,90	B 2,20	C 2,20	D 5,80	38.0	200-250	6,0-7,5

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

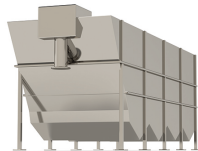
Our technical service and support teams are ready. We provide superior guidance in the planning, design, engineering, installation, and start-up of your systems. Our products and expertise cover the full range of stock preparation and pulping, including:

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

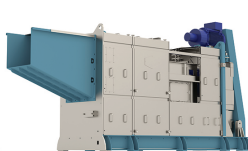
The Kadant **Foundations** product line offers a full range of fiber processing equipment and services.

Foundations

Reject Handling



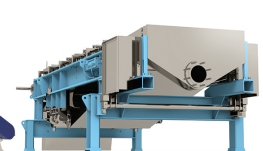
Waste Water Clarifier



Coarse Press



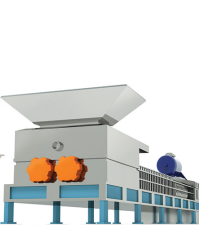
Thermoplastic System



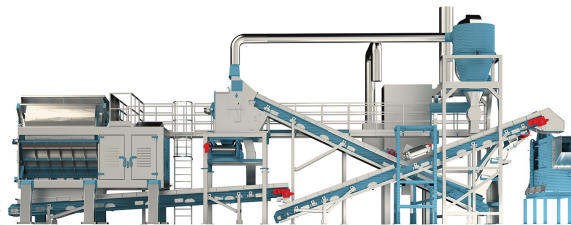
Gravity Table



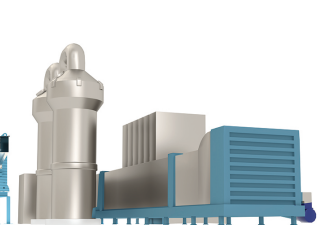
Sand Separator



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>

KADANT

fiberprocessing.kadant.com

Kadant is a global supplier of high-value, critical components and engineered systems used in process industries worldwide.

FROM WASTE TO WORTH
UPCYCLING

North America, Central America, and Japan:

Kadant Black Clawson LLC
1425 Kingsview Drive
Lebanon, OH 45036 USA
Tel: +1-513-229-8100
Email: info@kadant.com

China, Taiwan, and South Korea:

Kadant Fiberline (China) Co. Ltd.
STE 1960, Beijing Sunflower Tower
37 Maizidian Street, Chaoyang
District, Beijing 100125 China
Phone: +86-10-65813011/12/13
Email: Marketing.KFC@kadant.com

EMEA, APAC, and South America:

Kadant Lamort SAS
39, rue de la Fontaine Ludot,
B. P. 30046
Vitry-le-Francois cedex 51302
Phone: +33-26-74-80-80
Email: kadant.lamort@kadant.com

Kadant Noss AB
Malmgatan 25
602 23 Norrkoping, Sweden
Phone: +46-(0)-11-23-15-00
Email: info.kadantnoss@kadant.com

Fine Double Screw Press
©2024 Kadant Inc
01/2024