

# Supra™ Screen Rotor

Power-saving, high efficiency rotor for fractionation and fine screening applications

*Optimized geometry maintains peak performance at lower speeds for reduced power consumption and improved stickies removal*



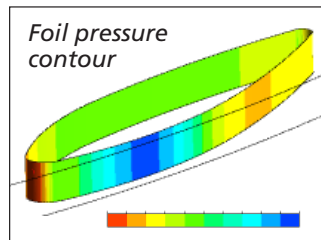
# Supra™ Screen Rotor

## Low Power, High Capacity

The Kadant Supra is a high capacity screen rotor for use in all recycled fiber applications. The rotor's innovative, smooth-flow design assures maximum fiber fluidization and maintained efficiency at reduced foil speeds.

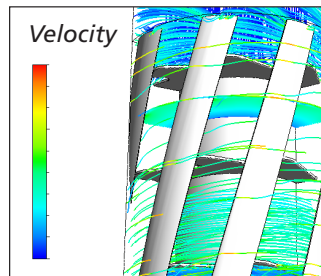
## Patented Performance

The Supra delivers substantial power savings and longer service life, without the loss of performance or capacity. Its patented geometry improves the flow of fiber on the cylinder surface while the foil's leading edges direct debris expediently into the screen rejects. The result is a cleaner and more robust fiber yield.



## Optimized Pressure and Mix

Kadant engineers utilize detailed CFD analysis as well as rigorous field testing to get the most out of our rotor and screen performance. The Supra's patented design controls unnecessary peak pressures at the screen slots that can extrude stickies and decrease removal efficiency. Running at lower speeds the Supra rotor maintains maximum performance while saving money and prolonging system life.



**Cost-saving, increased efficiency at reduced foil speeds**



## Benefits



### Low power consumption

- Operating at reduced speeds reduces power cost



### Increased efficiency

- Smooth-flow design maintains consistency
- Optimized pressure reduces sticky extrusion



### High capacity at lower speeds

- More performance with less power without the loss of capacity



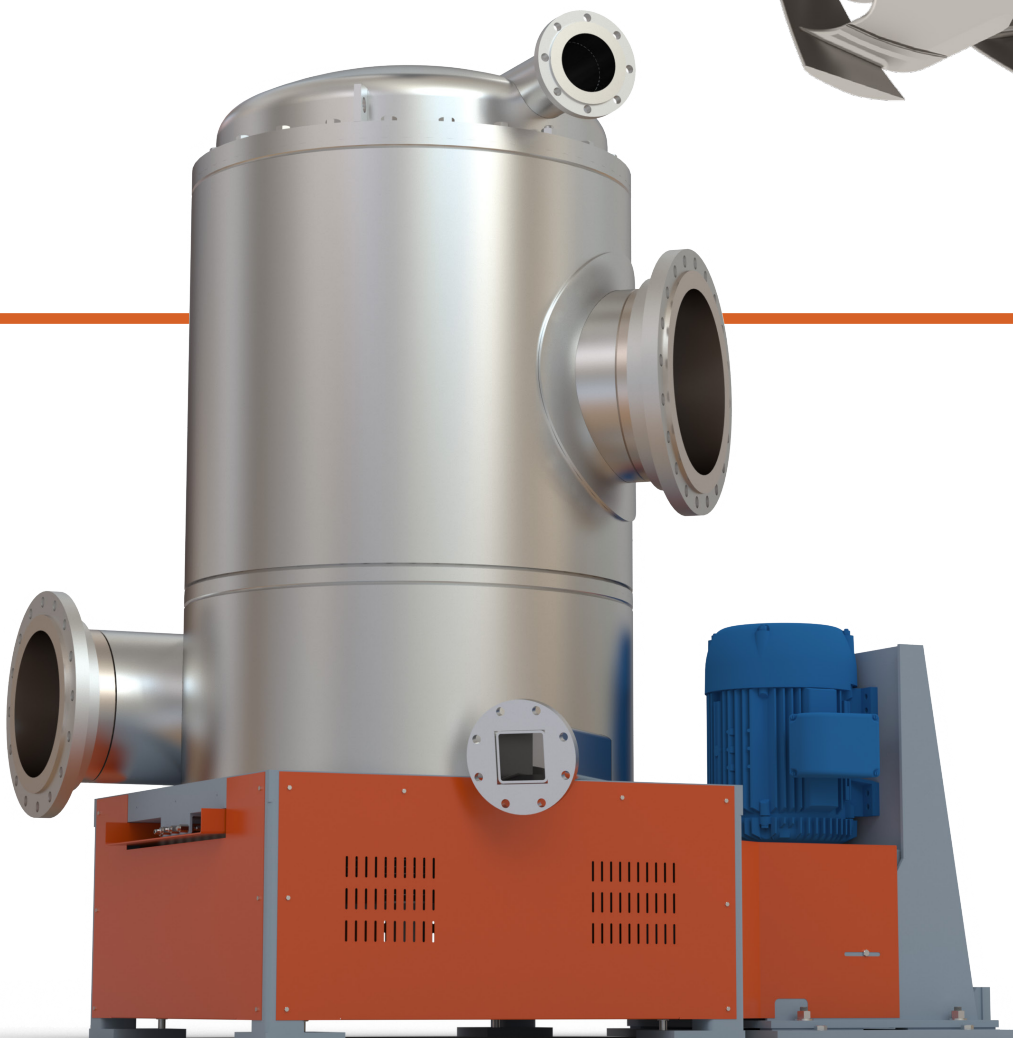
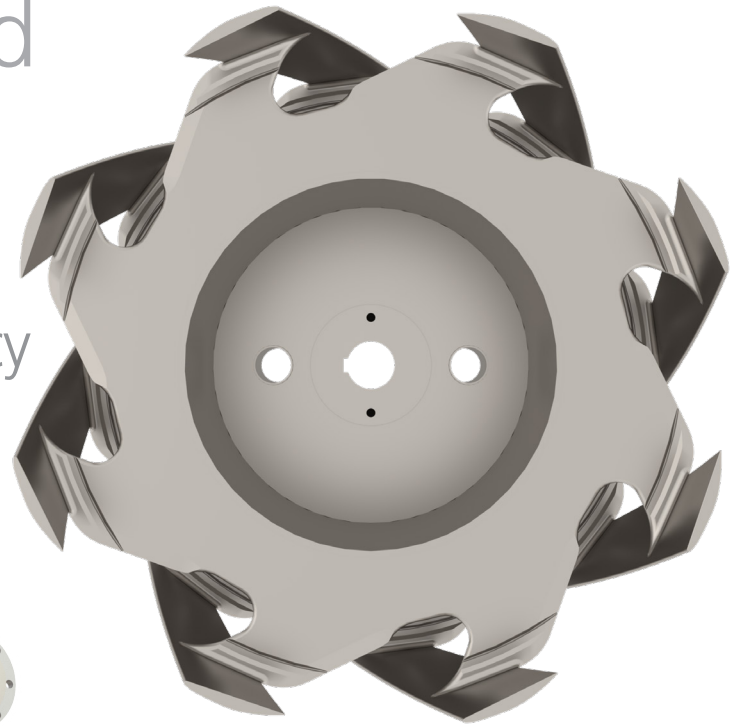
### Increased service life

- Solid foils cast from robust materials
- Low speed operation extends rotor and cylinder life

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# The Supra screen rotor provides sustainable low-power fractionation and fine screening

- Uses 25% less power
- Optimized for efficiency and stickies removal
- Longer service life for rotor and screen



*The Supra screen rotor is available in multiple sizes and can be used in nearly all screen models*

## 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.

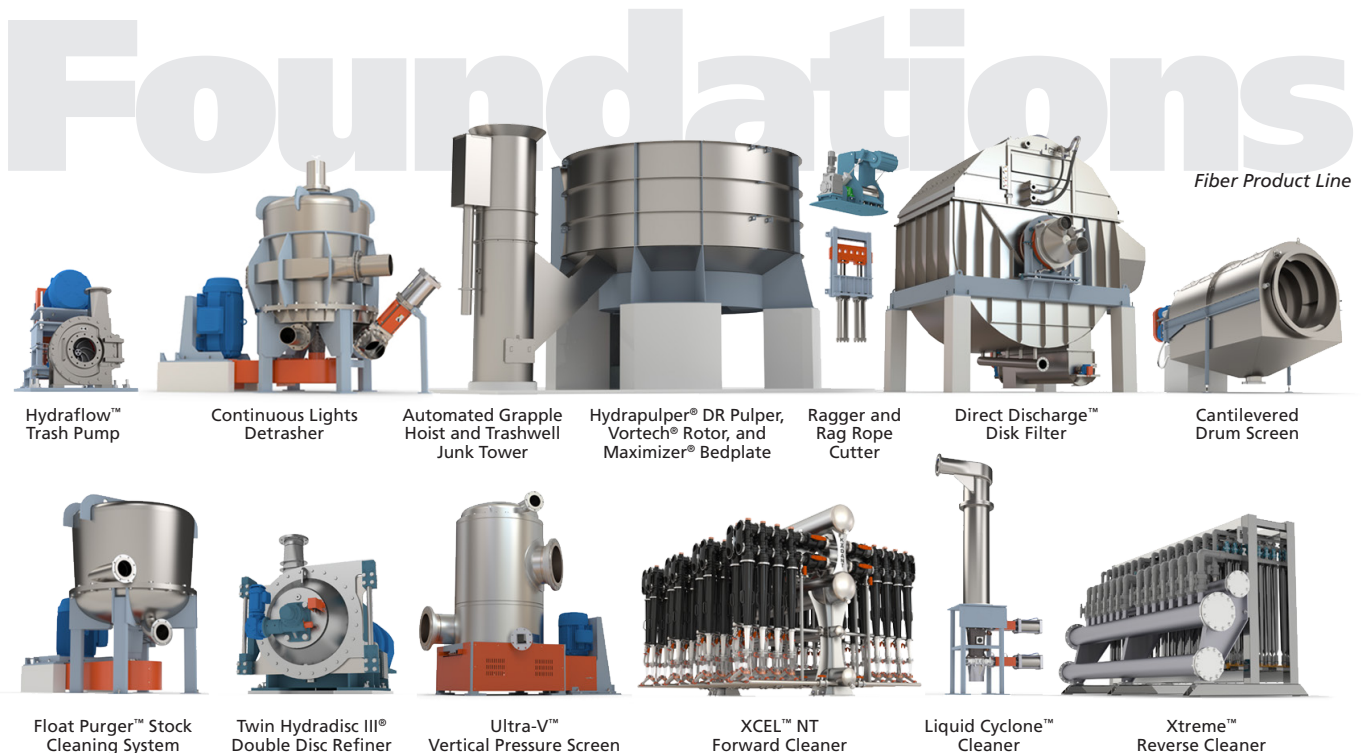
We have generations of experience, a history of innovation, and a proven record of success across the globe. Our skilled engineers, process professionals, application experts, manufacturing, and field service teams have thousands of successful installations to their credit.

## 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 Black Clawson **Foundations** product line offers a full range of fiber processing equipment and services.



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

# KADANT

[fiberprocessing.kadant.com](https://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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