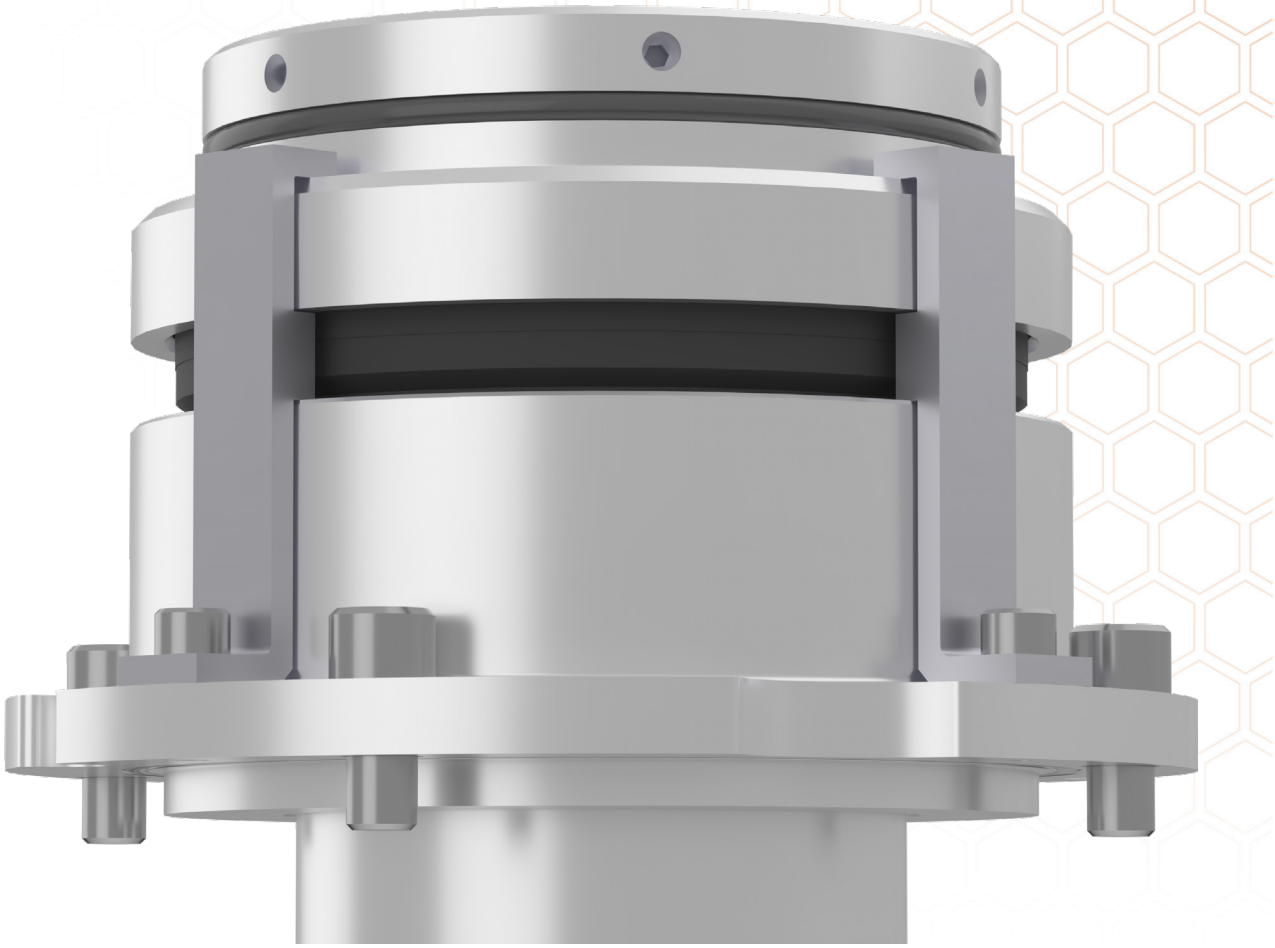
KĀDANT

FIBER PROCESSING

# Mechanical Seal for Screens and Float Purgers

## The safe, economical way to service your screen drives

*Modular service kits to simplify service and assist in a safer, faster, and more accurate installation*



# **Mechanical Seal**
# for Screens and Float Purgers

## Rebuild kits

Kadant offers two different rebuild kits for the Mechanical Seal to best suit your needs in maintenance and repair. Rebuilding or repairing your Mechanical Seal has never been easier!

Each rebuild kit comes with a different assortment of parts for the Mechanical Seal to ensure a quick repair with minimal downtime. The rebuilt Seal can then be reinstalled, making repairs easier and more precise with less machinery in the way.

For additional information, refer to the equipment manual for instructions on rebuilding the seal.

### Seal kit with sleeve

This is a loose part kit, not a full assembly. Great for larger repairs and replacements of the mechanical seal.

**Includes:**
- seal sleeve
- seal elements
- springs
- O-Rings
- hardware
- mounting clips

**Does NOT include:**
- seal housing

### Seal kit without sleeve

The “spare parts” kit that is highly recommended for any mechanical seal user. Great for smaller, quicker repairs without having to replace the entire seal or call in outside mechanics.

**Includes:**
- seal elements
- springs
- O-Rings
- hardware
- mounting clips

**Does NOT include:**
- seal housing
- seal sleeve

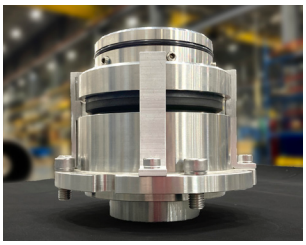
## Benefits

### Cost Savings
- Fully assembled seal requires minimal downtime to install, increasing cost savings and efficiency by reducing repair time

### Improved Performance
- Seal is protected from contaminants during installation to reduce risk of seal leakage
- Rebuild kits can create a drop-in seal, ready on the shelf, without having to rebuild the seal on the drive

### Easy Maintenance
- Easy installation eliminates risk of cracking seal elements
- Easily removed retaining brackets hold the seal together for easy installation and set the preload of the springs so no measurements are required
- Quick replacements and safer, more precise installation to improve maintenance time

**Simple all-in-one delivery assures precise alignment and an easy, trouble-free installation.**



*The complete Mechanical Seal assembly ready for installation*

# Quick and efficient service upgrades for screen and float purger drive seals

## Application & Installation

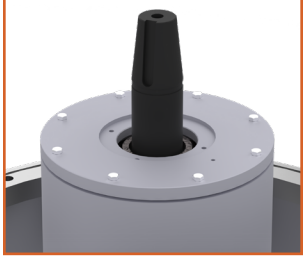
The Mechanical Seal prevents stock from leaking out of the screen body through the opening around the drive shaft. Installation is simple, first slide the seal assembly over the end of the drive shaft and bolt into place.

Next, lock the sleeve set screws on to the shaft. Mounting clips and clip bolts are removed and can be used again whenever a rebuild of the seal assembly is necessary.

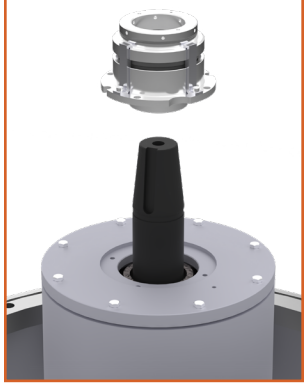
### Remove screen lid

### Remove rotor

### Remove old seal from shaft

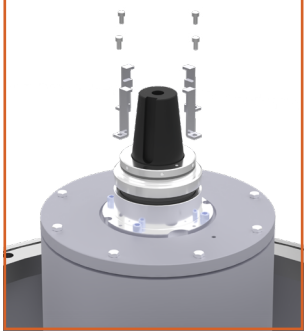


### Slide new seal into position

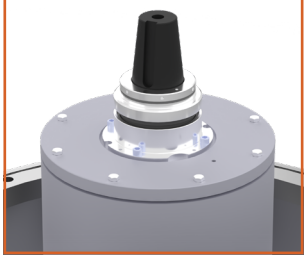


### Bolt into place and insert set screws

### Remove the retaining brackets



### Ready to reassemble



## 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

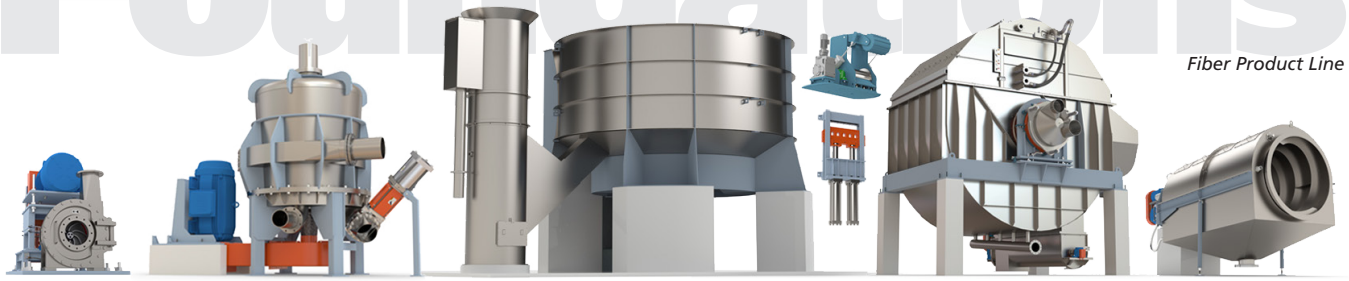
Our technical service and support teams are ready. We provide superior guidance in the planning, design, engineering, installation, and start-up of your systems. Our products and expertise cover the full range of stock preparation and pulping, including:

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

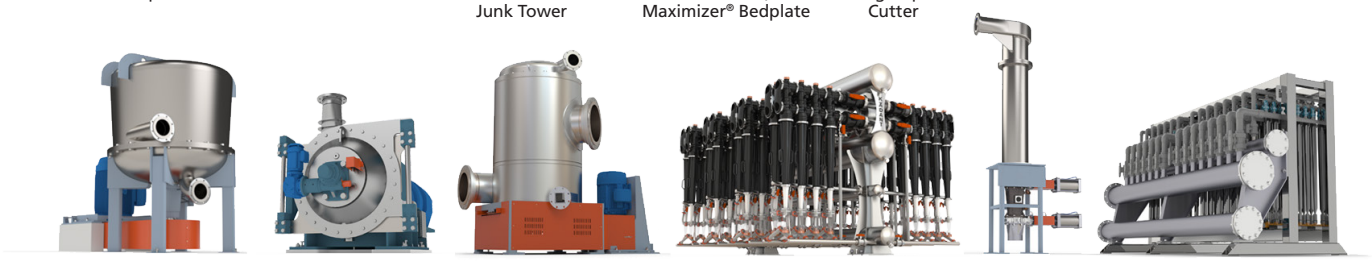
**The Kadant Foundations product line offers a full range of fiber processing equipment and services.**

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

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Mechanical Seal


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