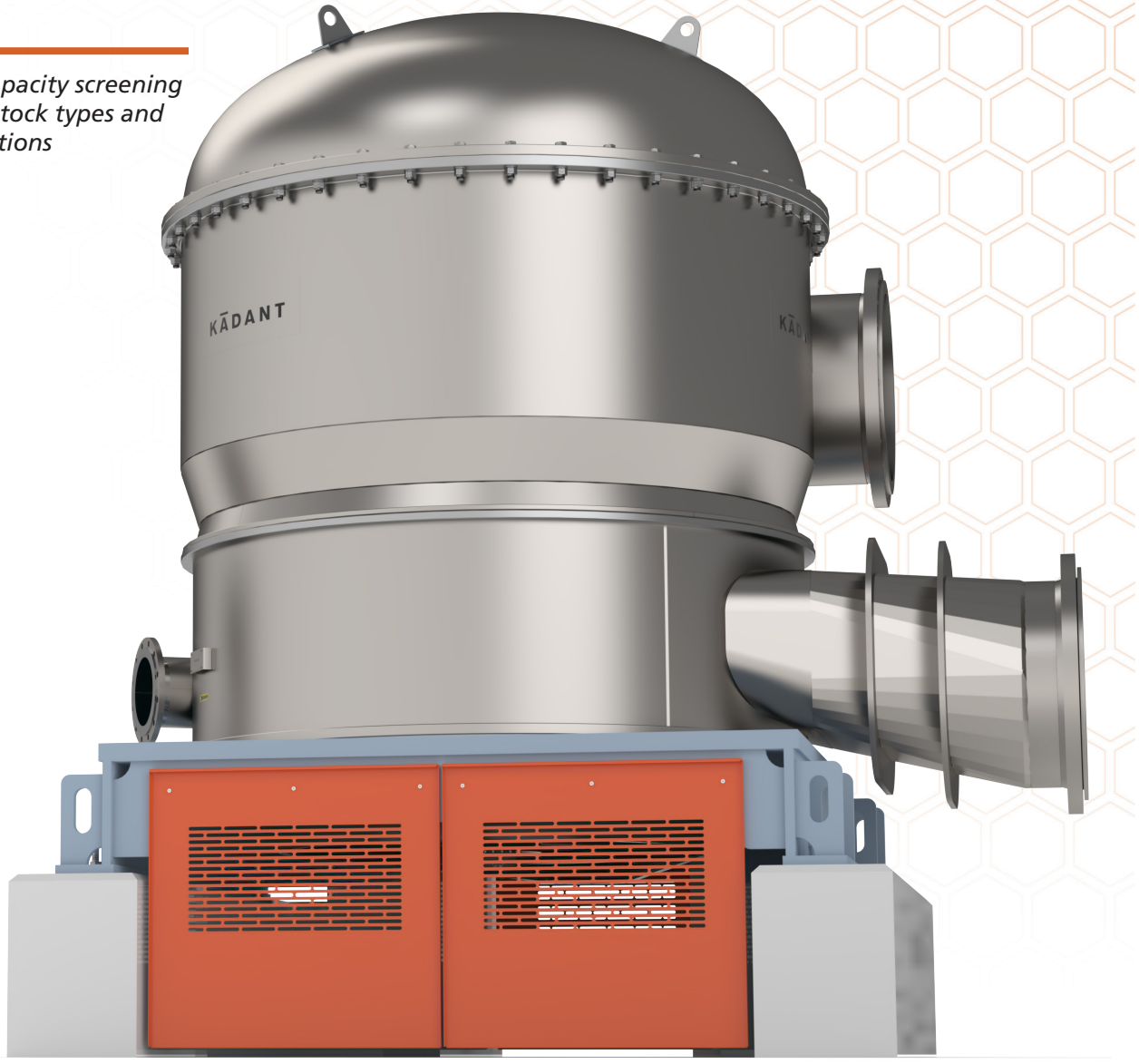
KĀDANT

FIBER PROCESSING

Periscreen-M™ Machine Screen

Efficiently removes impurities and deflocculates the stock ahead of the headbox

High capacity screening for all stock types and applications



Periscreen-M
Machine Screen

High Capacity Screening

The Periscreen-M machine screen is a high-capacity machine screen for all stock types and applications. The design is optimized to maximize efficiency and flow while serving as a protection screen effectively removing remaining impurities and deflocculating the stock prior to entering the headbox.

Low Pulse Design

The Periscreen-M machine screen is virtually pulsation-free and, in combination with the excellent deflocculation effect, promotes good formation and low MD and CD variations.

Designed with Latest Fluid Dynamics Technology

All flows through the Periscreen-M machine screen are simulated using advanced Computational Fluid Dynamics (CFD) technology to optimize operating conditions. This has lead to the design of a machine screen that combines modern design and functionality that addresses the need for high-performance, cost-effective screening.

Reliable Operation at High Capacities

The optimized fluid dynamics of the Periscreen-M machine screen lead to stable flow and uniform impact on the screen cylinder. The specially-designed rotating foils deflocculate the stock to keep the screen cylinder “plug-free” and promote smooth operation at high hydraulic capacity.

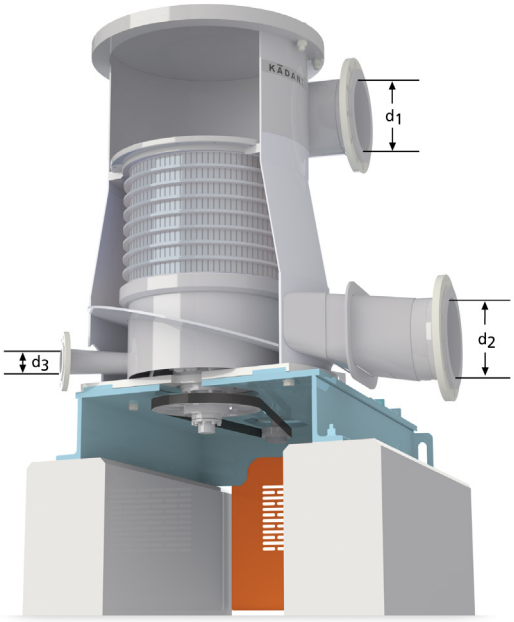
Benefits

- **Low power consumption**
  Optimized and functional design ensures low energy consumption at high operational reliability
- **High separation efficiency**
  Reduces contaminants in the final product
- **Stable flow conditions**
  For high capacity screening at maximum availability
- **Low maintenance costs**
  Durable design means low maintenance and maximum uptime
- **Trouble-free operation**
  Smooth performance at high capacities
- **Optimized process**
  Improves formation and sheet quality

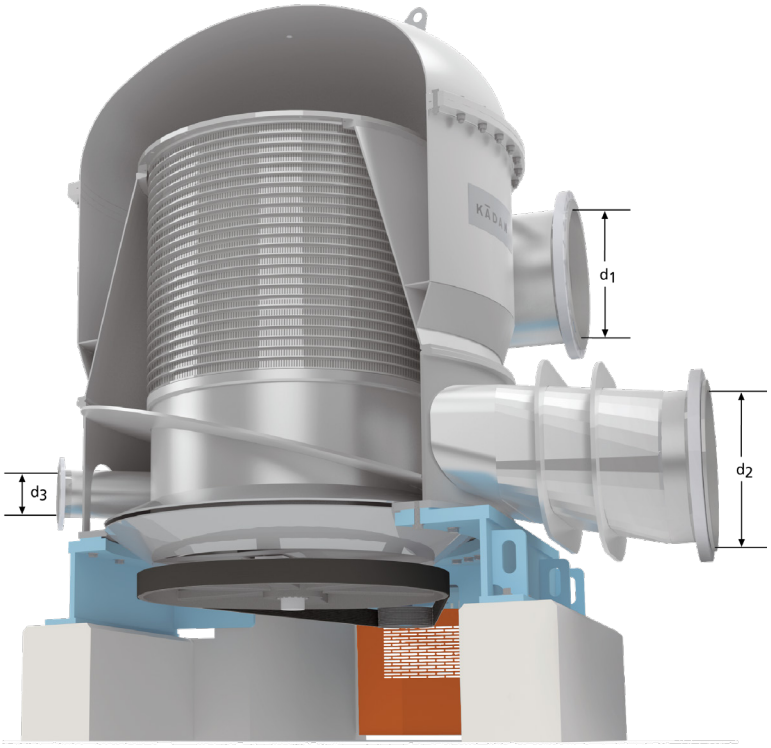
For all stock types and applications

Periscreen-M machine screen installation

Customized design



Models 400S - 1250



Models 1400 - 2000

Dimensions

This easily installed, compact unit is available in different models.

Model Size	Screening Area m^2	Stock Inlet Diameter d_1		Accept Diameter d_2		Reject Diameter d_3	
		mm	in	mm	in	mm	in
400S	0.26	200	8	200	8	80	3
400	0.39	200	8	200	8	80	3
500	0.64	250	10	250	10	80	3
630	1.01	300	12	300	12	100	4
800	1.65	400	16	400	16	150	6
1000	2.70	500	20	500	20	200	8
1250	4.15	600	24	600	24	200	8
1400	5.31	700	28	700	28	250	10
1600	6.58	700	28	700	28	250	10
1800	8.21	800	32	800	32	300	12
2000	10.74	900	36	900	36	300	12

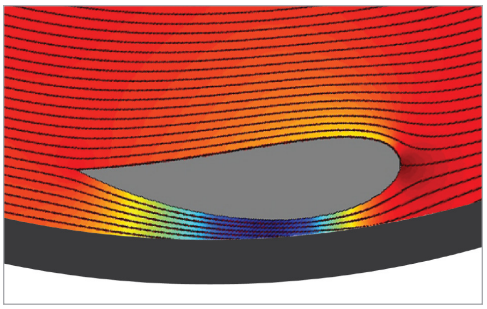
Models 400S – 800 can be equipped with an optional reject dilution connection.
Periscreen-M screen cylinders are available with either slots or holes.

Specifications and information subject to change without notice.
General dimensions and not certified for construction or installation.

Optimized rotor design

Customized rotor design according to application and requirements.

Rotor foil designs are simulated to optimize screening efficiency.



Stable Flow Conditions

The unique design, combining an optimal rotor, a conical housing section, and a sloped accept chamber, improves the flow distribution throughout the entire screening zone. This results in a high capacity machine screen with maximum availability.

Improve your product quality

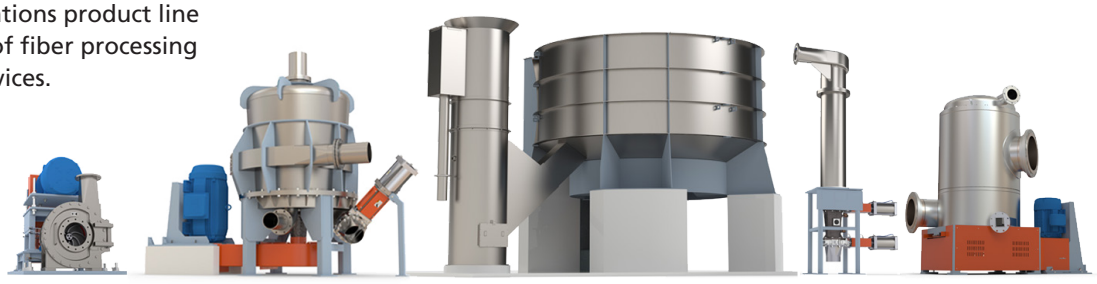
The Periscreen-M machine screen provides a uniform velocity profile and an evenly distributed stock suspension at the headbox. As a result, improved formation and enhanced sheet quality is achieved.

Certified Parts and Service 24 Hour Hotline for North America: 1-800-448-5422

Efficient, compact footprint with advanced design features

- **Optimal, customized rotor design**
- **Conical housing section**
- **Sloped accept chamber**
- **Optimized accept outlet design and location**

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

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Periscreen-M Machine Screen

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