

# KADANT

Kadant Solutions, based in Auburn, Massachusetts, is a leading supplier of roll cleaning blades, blade holders, and roll cleaning systems for industrial processes. Roll cleaning blades, also known as doctor blades, are used to remove stock accumulations, contaminants, water, pitch, and filler buildup from roll surfaces.

In addition to rolling cleaning products and systems, Kadant Solutions is a recognized leader in forming and press fabric cleaning and process water filtration with its innovative shower systems, spray nozzles, and drainage structures. The company also provides actionable water and energy audits to identify opportunities to reduce water and energy consumption and improve resource utilization.

Kadant Solutions products are used in a variety of process industries, including pulp and paper, nonwovens, converting, chemicals, food, power, steel, rubber, plastics, carbon fiber, and polyester fiber, among others.

## Innovation in water filtration

The new RotoFlex™ resource recovery strainer is one of the latest developments from Kadant Solutions. The RotoFlex resource recovery strainer is a simple yet



RotoFlex resource recovery strainer

highly effective innovation used to reclaim white water; heat; chemicals; and fiber, including DAF filtrate; save-all water; and seal pit water.

The RotoFlex resource recovery strainer uses a unique, patented method of filter media cleaning to keep the filter medium open and to flush contaminants from the surface. The conical media hangs freely from the upper support ring and is not attached or in contact with any part of the strainer below the ring. As the feed flow

from the distribution headers impact the media and the media rotates, the synthetic mesh flexes back and forth, shedding the fiber and debris without the aid of a cleaning shower or scraping device. The feed flow helps wash the material to the center collection chamber for reuse or disposal.

**Scan to watch a short video about the RotoFlex resource recovery strainer.**



## Nanotechnology Enhanced High-Performance Doctor Blade Line

This new doctor blade line incorporates patented nanotechnology enhanced resins which allows for the composite resin matrix to be manipulated on a molecular scale to produce high-performing, wear-resistant doctor blades.

The nanotechnology-based doctor blades feature increased stiffness, increased resistance to chipping, improved inter-laminar bonding, and a lower coefficient of friction compared to conventional blades. As a result, roll surface cleaning is improved and doctor blade life has been shown to increase significantly compared to that of conventional blades. The high-performance doctor blade results in fewer blade changes and the potential for reduced operating costs while enhancing overall doctoring and machine efficiency.



Nanotechnology enhanced doctor blade

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